Appendix 8

Hydrology Report

Hydrology Report

Cherry Outpost

Northwest corner of Cherry St and Bundy Canyon Rd
Wildomar, CA
April 30, 2024

This Hydraulic Study has been prepared by, and under the direction of, the undersigned, a duly Registered Civil Engineer in the State of California. Except as noted, the undersigned attests to the technical information contained herein, and has judged to be acceptable the qualifications of any technical specialists providing engineering data for this report, upon which findings, conclusions, and recommendations are based.

_____

Daniela Malott, P.E.
Registered Civil Engineer No. C86581
Exp.: 03/31/25

Prepared for:

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Corona, CA 92879
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Prepared by:

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TAIT JOB SP8997

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Section 1 Introduction and Background

The client has retained Tait & Associates (Tait) to prepare the drainage design for the Cherry Oupost Improvement Plans. The project site is approximately 6.07 acres and it is located in the City of Wildomar, California. The project located on the northwest corner of Cherry St and Bundy Canyon Rd, adjacent to the I-15 northbound onramp in Wildomar. The proposed project Vicinity Map is provided in Figure 1 below. The Hydrology & Hydraulics Report studies the proposed condition drainage system and patterns. This study follows the requirements of the Riverside County Flood /Control and Water Conservation District (RCFCWD), the Riverside County Hydrology Manual (RCHM), dated 1978 and it was prepared for a 100-year storm event for the proposed condition. The following sections include the general project characteristics, the drainage design, criteria and methodology.

1.1 Project Description

The Cherry Outpost development is proposed for commercial uses. It includes 107-key, four-story hotel, single building pad, a split building pad, which includes a quick serve restaurant, a car wash pad, large fueling canopy, RV fueling canopy, parking areas and driveways. The proposed site includes landscaping, concrete pavement, asphalt pavement, and underground utilities that will service the proposed building. Project grading will occur on approximately 5.95± acres which comprises approximately 99% of the total site area.

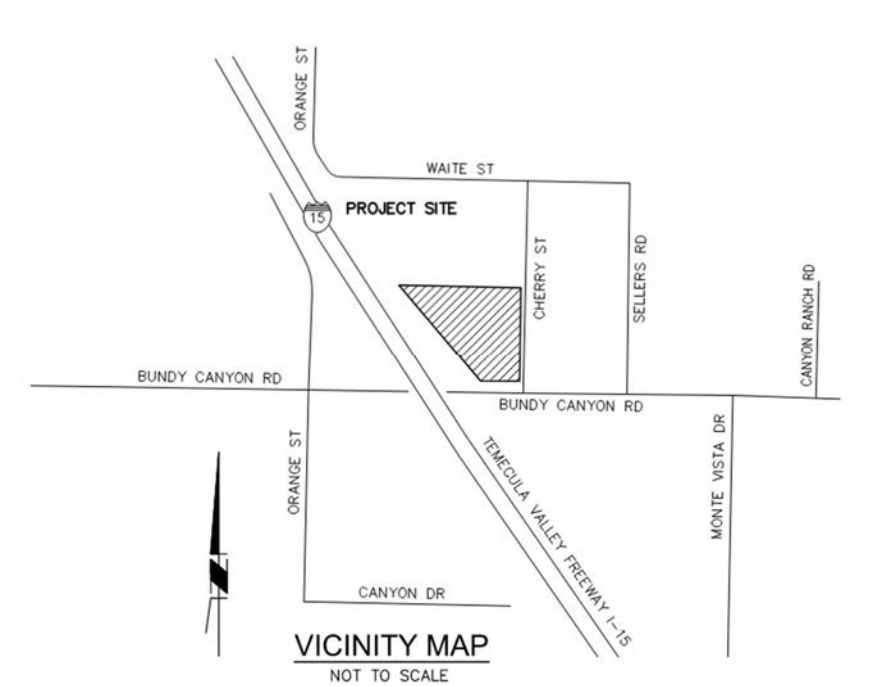

Figure 1 – Vicinity Map (Not To Scale)

Section 2 Hydrology Design Criteria, Methodology, and Analysis

2.1 Hydrology Design Criteria and Methodology

The RCHM uses the Rational Method to determine the runoff flow for watershed areas that are less than 300 to 500 acres in size. The Synthetic Unit Hydrograph is used for watershed areas larger than 300 to 500 acres. The rational method is based on the equation $Q = C \times I \times A$

where:
Q = peak discharge (cfs)
C = runoff coefficient representing the ratio of runoff to rainfall
I = the time-averaged rainfall intensity in inches per hour corresponding to the time of concentration (in/hr)
A = drainage area (acres).

The runoff coefficient is determined from the soil characteristics and the land use types. The time of concentration is the time it takes for the entire watershed to contribute runoff to the concentration point, and it is determined based on the longest flow path. The total drainage area tributary to the project outfall is 6.07 acres which is less than 300 thus only the Rational Method analysis was required. The precipitation was obtained from the NOAA Atlas 14 and Precipitation intensity-duration curves are included in Appendix A. The rational method was prepared using the Advance Engineering Software (AES) RATSCX software which is approved by Riverside County for the Rational Method.

2.2 Hydrology Analysis

The following section describes the existing and proposed drainage patterns and any required mitigation measures proposed for the proposed project.

2.2.1 Soil Conditions

Per the USDA Natural Resources Conservation Service Soil Survey (USDA NRCS), published in 2006, the project site is located within the hydrology soil group of A and C. Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. Group C. Soils having a slow infiltration rate (high runoff potential) when thoroughly wet. The project site location is shown on the USDA Soil Resource map, included in Appendix B.

2.2.2 Existing Condition Hydrology Analysis

The project site is located within Zone 3 of the RCFCD drainage system. The subject of this report, Cherry Outpost, is located on the northwest corner of Cherry St and Bundy Canyon Rd,

adjacent to the I-15 northbound onramp in Wildomar. The site is an approximately 6.07 acre parcel.

The site is an abandoned, now undeveloped parcel. A single-family residential structure (with outbuildings) and an orchard existed on the site until at least 2009. The existing site flows by sheet flow from north to south, and is bounded by the improved I-15 northbound onramp to the west, low-density residences to the north, and Cherry St to the east, and Bundy Canyon Rd to the south. There is a large existing culvert to the south of the site (but north of Bundy Canyon Rd, which drains to Lake Elsinore.

Existing Condition Hydrology calculations from this report are also Provided in Appendix C herein.

2.2.3 Proposed Condition Hydrology Analysis

The proposed project will maintain the existing drainage patterns, draining to the southeast corner of the site. Project grading will occur on approximately 5.95± acres which comprises approximately 99% of the total site area. The project will significantly increase the impervious area of the site. The post-development surface conditions are as follows:

Proposed Site (Post development)

Surface type	Runoff Index[3]	Area [sf]	Area [ac]
Impervious		189,050	4.34
Soil-A	32	34,412	0.79
Soil-C	69	35,719	0.82
Total		259,182	5.95
	Coefficient of Runoff[2]	0.76	
	Imperviousness	73%	

Stormwater runoff from the project site is directed towards bioretention areas for water quality treatment requirements. Stormwater is directed by both sheet flow, and by drainage inlets. The proposed condition flows from these management areas were determined for the 100-year 24-Hr storm event using the Rational Method. Point precipitation depths and intensities were determined using the NOAA Atlas 14.

2.2.4 Basin Design Analysis

The project proposes a surface detention basin to detain runoff increase requirements set forth by Riverside County Flood Control & Water Conservation District, the proposed detention basin has been designed with flow controls to mimic existing 100-year 24-Hr storm flow.

The detention basin will serve a dual purpose of detention and treatment. Stormwater will be allowed to infiltrate out of the basin over time. Proposed Detention basin routing calculations have been provided in Appendix F.

Section 3 Summary of Results and Conclusions

The hydrology calculations demonstrate that the proposed site is designed to meet hydraulic requirements. The existing development will be improved upon with the addition of pad buildings, and associated improvements. The site improvements include the construction of a storm drain system designed to convey the 100-year storm event. The proposed project includes stormwater quality treatment in the form of bioretention areas and surface detention basin.

Table 1: Hydrograph Summary

Condition	100-year peak flow (cfs)
Existing	8.01
Proposed	13.15
Proposed (Mitigated)	5.20

Based on the results of this study, the project mitigation measures proposed will prevent an increase in runoff. Therefore, the proposed project improvements will not have an adverse effect on the downstream storm drain system.

APPENDIX

Appendix A – NOAA Precipitation

NOAA Atlas 14, Volume 6, Version 2
Location name: Wildomar, California, USA*
Latitude: 33.6281°, Longitude: -117.2719°
Elevation: m/ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)								
	1	2	5	25	50	200	500	1000
5-min	**0.996** (0.840-1.20)	**1.34** (1.13-1.63)	**1.84** (1.54-2.22)	**2.81** (2.24-3.55)	**3.26** (2.56-4.22)	**4.25** (3.13-5.80)	**4.94** (3.50-7.06)	**5.51** (3.76-8.15)
15-min	**0.576** (0.484-0.692)	**0.780** (0.652-0.940)	**1.06** (0.884-1.28)	**1.62** (1.30-2.05)	**1.89** (1.48-2.44)	**2.45** (1.81-3.35)	**2.86** (2.02-4.08)	**3.18** (2.17-4.71)
30-min	**0.450** (0.378-0.542)	**0.610** (0.512-0.736)	**0.830** (0.692-1.00)	**1.27** (1.02-1.61)	**1.48** (1.15-1.91)	**1.92** (1.42-2.62)	**2.24** (1.58-3.20)	**2.49** (1.70-3.69)
2-hr	**0.262** (0.220-0.316)	**0.344** (0.288-0.414)	**0.455** (0.380-0.550)	**0.678** (0.542-0.858)	**0.782** (0.612-1.01)	**1.00** (0.742-1.37)	**1.16** (0.822-1.66)	**1.29** (0.878-1.91)
3-hr	**0.215** (0.180-0.259)	**0.280** (0.234-0.337)	**0.367** (0.306-0.444)	**0.542** (0.434-0.686)	**0.624** (0.488-0.806)	**0.796** (0.589-1.09)	**0.918** (0.650-1.31)	**1.01** (0.692-1.50)
6-hr	**0.153** (0.129-0.185)	**0.199** (0.167-0.240)	**0.261** (0.218-0.315)	**0.382** (0.305-0.483)	**0.438** (0.342-0.565)	**0.554** (0.410-0.757)	**0.636** (0.450-0.908)	**0.700** (0.478-1.04)
12-hr	**0.099** (0.083-0.119)	**0.132** (0.111-0.160)	**0.176** (0.147-0.213)	**0.261** (0.208-0.329)	**0.298** (0.233-0.385)	**0.375** (0.277-0.512)	**0.427** (0.302-0.610)	**0.468** (0.319-0.692)
2-day	**0.040** (0.035-0.046)	**0.057** (0.050-0.066)	**0.079** (0.070-0.092)	**0.122** (0.104-0.147)	**0.141** (0.117-0.174)	**0.180** (0.142-0.233)	**0.206** (0.156-0.278)	**0.226** (0.166-0.315)
3-day	**0.029** (0.025-0.033)	**0.042** (0.037-0.049)	**0.059** (0.052-0.069)	**0.093** (0.079-0.112)	**0.108** (0.090-0.133)	**0.139** (0.110-0.180)	**0.161** (0.122-0.216)	**0.177** (0.130-0.247)
4-day	**0.023** (0.021-0.027)	**0.034** (0.030-0.040)	**0.049** (0.043-0.057)	**0.077** (0.065-0.093)	**0.090** (0.075-0.111)	**0.117** (0.092-0.151)	**0.136** (0.103-0.183)	**0.150** (0.110-0.209)
7-day	**0.015** (0.013-0.017)	**0.022** (0.020-0.026)	**0.032** (0.028-0.037)	**0.051** (0.043-0.062)	**0.060** (0.050-0.074)	**0.079** (0.063-0.103)	**0.093** (0.070-0.125)	**0.104** (0.076-0.144)
10-day	**0.011** (0.010-0.013)	**0.016** (0.014-0.019)	**0.024** (0.021-0.027)	**0.038** (0.033-0.046)	**0.045** (0.038-0.056)	**0.060** (0.048-0.078)	**0.071** (0.054-0.096)	**0.080** (0.059-0.111)
20-day	**0.006** (0.006-0.007)	**0.010** (0.008-0.011)	**0.014** (0.012-0.016)	**0.023** (0.020-0.028)	**0.028** (0.023-0.034)	**0.038** (0.030-0.049)	**0.045** (0.034-0.061)	**0.051** (0.038-0.071)
30-day	**0.005** (0.004-0.006)	**0.008** (0.007-0.009)	**0.011** (0.010-0.013)	**0.019** (0.016-0.022)	**0.022** (0.018-0.027)	**0.031** (0.024-0.040)	**0.037** (0.028-0.050)	**0.042** (0.031-0.058)
45-day	**0.004** (0.003-0.004)	**0.006** (0.005-0.007)	**0.008** (0.007-0.010)	**0.014** (0.012-0.017)	**0.017** (0.014-0.021)	**0.024** (0.019-0.031)	**0.029** (0.022-0.039)	**0.033** (0.024-0.046)
60-day	**0.003** (0.003-0.004)	**0.005** (0.004-0.006)	**0.007** (0.006-0.008)	**0.012** (0.010-0.015)	**0.015** (0.012-0.018)	**0.020** (0.016-0.026)	**0.025** (0.019-0.033)	**0.028** (0.021-0.039)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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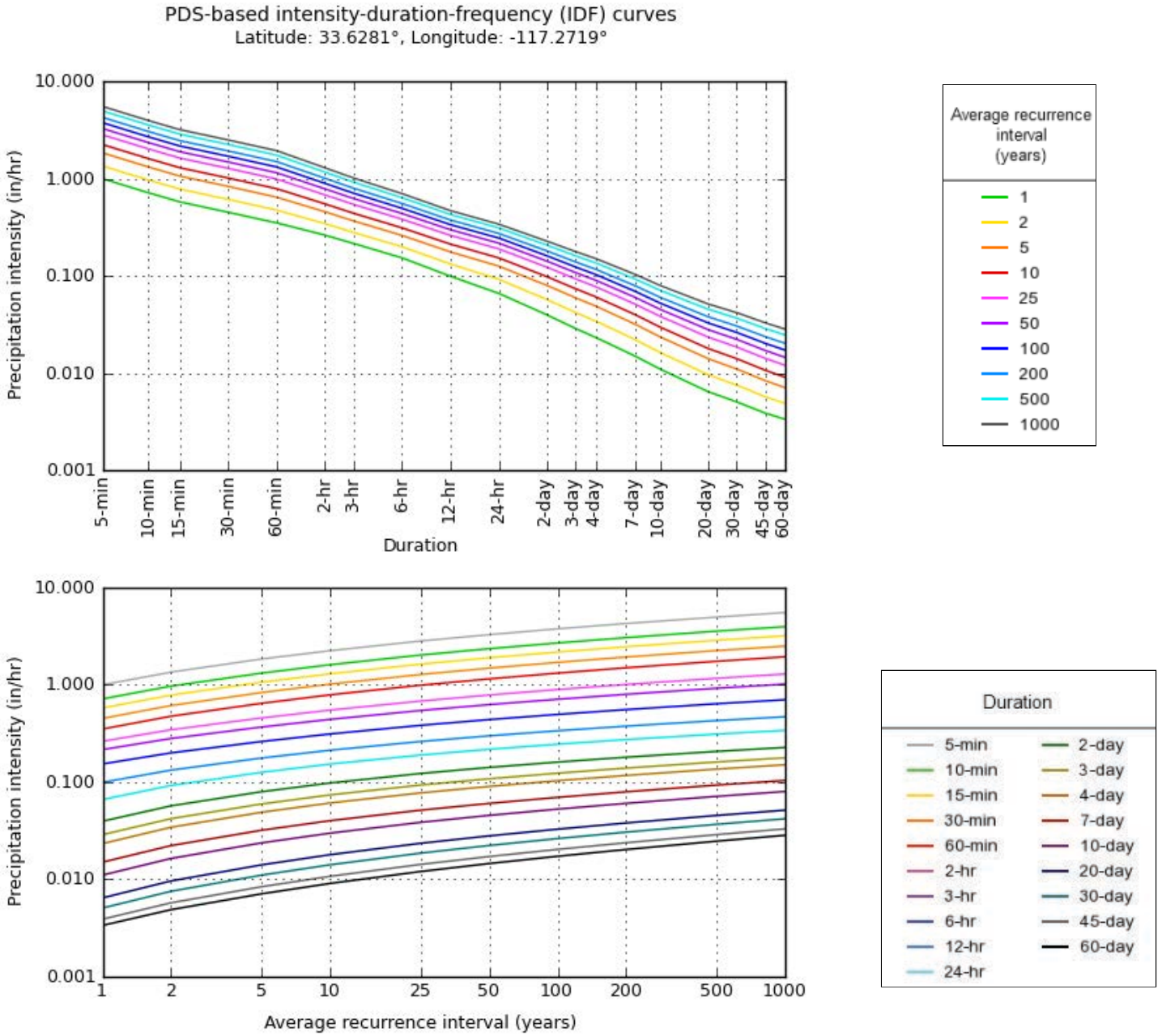
PF graphical



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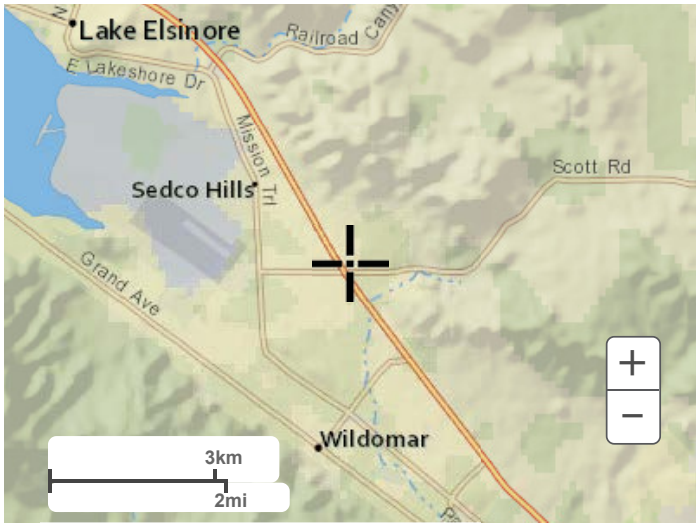

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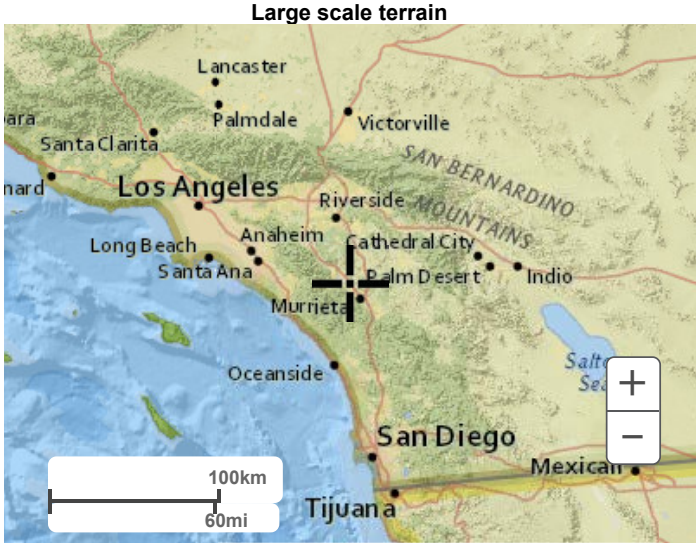

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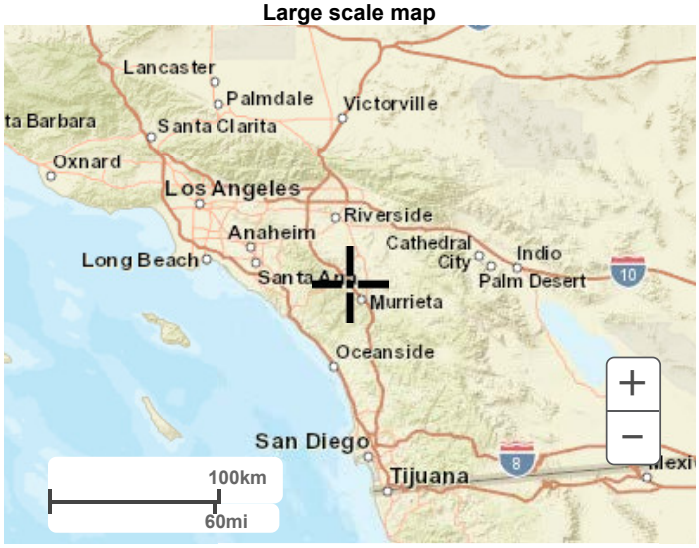

Large scale aerial

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National Weather Service
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1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

NOAA Atlas 14, Volume 6, Version 2
Location name: Wildomar, California, USA*
Latitude: 33.6281°, Longitude: -117.2719°
Elevation: m/ft**
* source: ESRI Maps
** source: USGS

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NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)								
	1	2	5	10	25	50	200	500	1000
5-min	0.083 (0.070-0.100)	0.112 (0.094-0.136)	0.153 (0.128-0.185)	0.186 (0.154-0.227)	0.234 (0.187-0.296)	0.272 (0.213-0.352)	0.354 (0.261-0.483)	0.412 (0.292-0.588)	0.459 (0.313-0.679)
10-min	0.119 (0.100-0.143)	0.161 (0.135-0.194)	0.219 (0.183-0.265)	0.267 (0.221-0.326)	0.336 (0.268-0.424)	0.390 (0.305-0.504)	0.507 (0.375-0.693)	0.591 (0.418-0.843)	0.657 (0.448-0.973)
15-min	0.144 (0.121-0.173)	0.195 (0.163-0.235)	0.265 (0.221-0.320)	0.323 (0.268-0.394)	0.406 (0.324-0.513)	0.472 (0.369-0.609)	0.613 (0.453-0.838)	0.714 (0.505-1.02)	0.795 (0.542-1.18)
30-min	0.225 (0.189-0.271)	0.305 (0.256-0.368)	0.415 (0.346-0.501)	0.506 (0.419-0.618)	0.636 (0.508-0.804)	0.739 (0.577-0.955)	0.961 (0.710-1.31)	1.12 (0.792-1.60)	1.25 (0.850-1.84)
60-min	0.350 (0.293-0.421)	0.474 (0.397-0.572)	0.643 (0.537-0.778)	0.786 (0.650-0.958)	0.987 (0.788-1.25)	1.15 (0.896-1.48)	1.49 (1.10-2.04)	1.74 (1.23-2.48)	1.93 (1.32-2.86)
2-hr	0.524 (0.440-0.631)	0.688 (0.576-0.829)	0.910 (0.760-1.10)	1.10 (0.907-1.34)	1.36 (1.09-1.72)	1.57 (1.22-2.02)	2.01 (1.49-2.75)	2.32 (1.65-3.32)	2.57 (1.76-3.81)
3-hr	0.646 (0.542-0.778)	0.840 (0.703-1.01)	1.10 (0.920-1.33)	1.32 (1.09-1.61)	1.63 (1.30-2.06)	1.87 (1.46-2.42)	2.39 (1.77-3.27)	2.76 (1.95-3.94)	3.05 (2.08-4.51)
6-hr	0.918 (0.770-1.11)	1.19 (0.999-1.44)	1.56 (1.30-1.89)	1.87 (1.54-2.28)	2.29 (1.83-2.89)	2.62 (2.05-3.39)	3.32 (2.45-4.54)	3.81 (2.70-5.44)	4.19 (2.86-6.21)
12-hr	1.19 (1.00-1.44)	1.60 (1.34-1.92)	2.12 (1.77-2.57)	2.55 (2.11-3.12)	3.14 (2.51-3.97)	3.59 (2.81-4.64)	4.52 (3.34-6.17)	5.15 (3.64-7.35)	5.64 (3.85-8.34)
2-day	1.90 (1.68-2.19)	2.73 (2.41-3.16)	3.81 (3.36-4.42)	4.69 (4.10-5.48)	5.87 (4.97-7.08)	6.78 (5.62-8.34)	8.63 (6.81-11.2)	9.90 (7.50-13.3)	10.9 (7.97-15.1)
3-day	2.07 (1.83-2.39)	3.02 (2.67-3.50)	4.28 (3.77-4.96)	5.30 (4.63-6.19)	6.70 (5.67-8.07)	7.77 (6.45-9.56)	10.0 (7.89-12.9)	11.6 (8.76-15.6)	12.8 (9.36-17.8)
4-day	2.23 (1.97-2.58)	3.29 (2.90-3.80)	4.69 (4.13-5.44)	5.84 (5.10-6.82)	7.42 (6.28-8.94)	8.64 (7.17-10.6)	11.2 (8.84-14.5)	13.0 (9.86-17.5)	14.4 (10.6-20.1)
7-day	2.52 (2.23-2.91)	3.73 (3.30-4.31)	5.37 (4.73-6.22)	6.73 (5.88-7.86)	8.63 (7.30-10.4)	10.1 (8.40-12.5)	13.3 (10.5-17.2)	15.6 (11.8-21.0)	17.4 (12.8-24.3)
10-day	2.65 (2.34-3.06)	3.93 (3.47-4.55)	5.68 (5.00-6.59)	7.16 (6.25-8.36)	9.24 (7.82-11.1)	10.9 (9.04-13.4)	14.5 (11.4-18.7)	17.1 (12.9-23.0)	19.2 (14.1-26.7)
20-day	3.09 (2.73-3.57)	4.62 (4.08-5.34)	6.76 (5.95-7.83)	8.60 (7.51-10.0)	11.3 (9.53-13.6)	13.4 (11.1-16.5)	18.2 (14.4-23.6)	21.8 (16.5-29.3)	24.7 (18.1-34.3)
30-day	3.65 (3.23-4.22)	5.43 (4.79-6.28)	7.96 (7.01-9.22)	10.2 (8.88-11.9)	13.4 (11.3-16.1)	16.0 (13.3-19.7)	22.0 (17.4-28.5)	26.5 (20.1-35.7)	30.2 (22.1-42.0)
45-day	4.21 (3.72-4.86)	6.20 (5.47-7.16)	9.07 (7.98-10.5)	11.6 (10.1-13.6)	15.4 (13.0-18.5)	18.5 (15.4-22.8)	25.7 (20.2-33.2)	31.1 (23.6-41.9)	35.6 (26.1-49.6)
60-day	4.84 (4.28-5.59)	7.03 (6.20-8.12)	10.2 (9.00-11.8)	13.1 (11.4-15.3)	17.3 (14.7-20.9)	20.9 (17.4-25.7)	29.2 (23.0-37.7)	35.5 (26.9-47.8)	40.8 (29.9-56.8)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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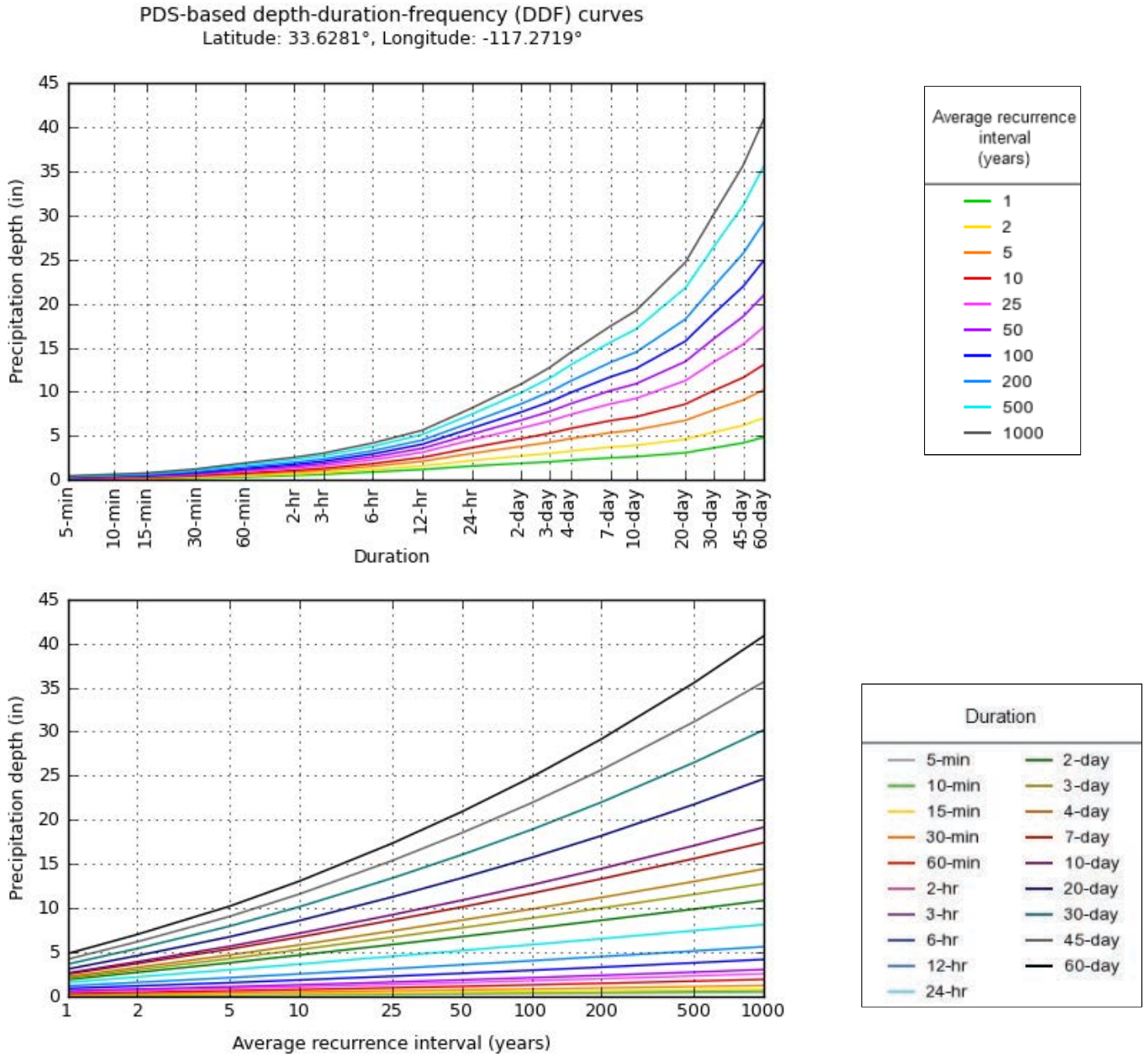
PF graphical



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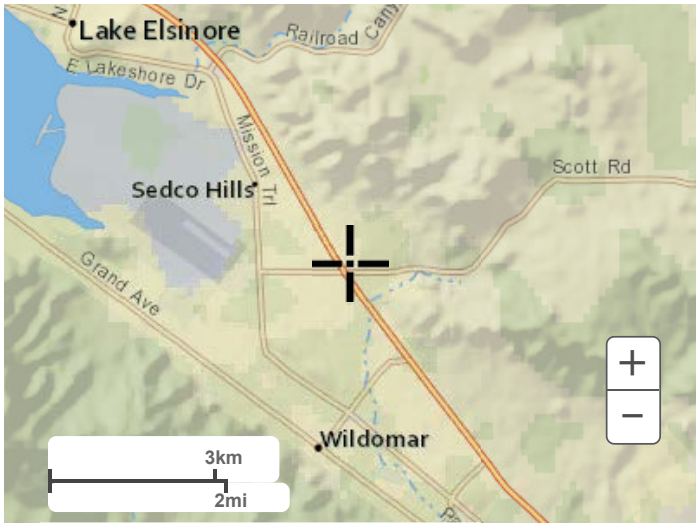

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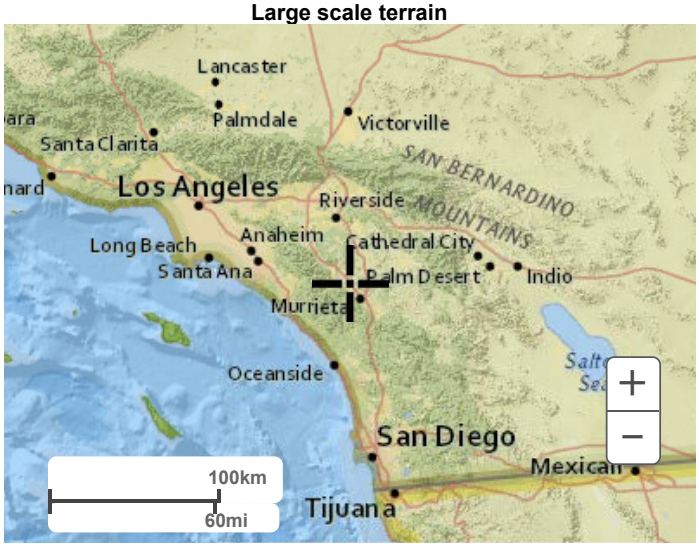
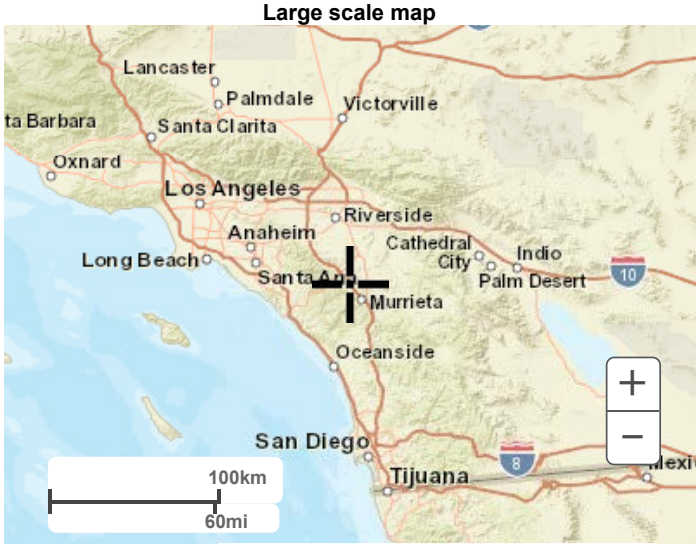


Large scale map



Large scale aerial

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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

Appendix B – Soils Maps

Map Scale: 1:1,720 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 25 50 100 150

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Western Riverside Area, California
Survey Area Data: Version 16, Aug 30, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 14, 2022—Mar 17, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
GyC2	Greenfield sandy loam, 2 to 8 percent slopes, eroded	A	3.2	41.3%
HcC	Hanford coarse sandy loam, 2 to 8 percent slopes	A	0.9	11.7%
RaD2	Ramona sandy loam, 8 to 15 percent slopes, eroded	C	3.0	38.6%
RaD3	Ramona sandy loam, 8 to 15 percent slopes, severely eroded	C	0.5	6.9%
ReC2	Ramona very fine sandy loam, 0 to 8 percent slopes, eroded	C	0.1	1.6%
Totals for Area of Interest			**7.7**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

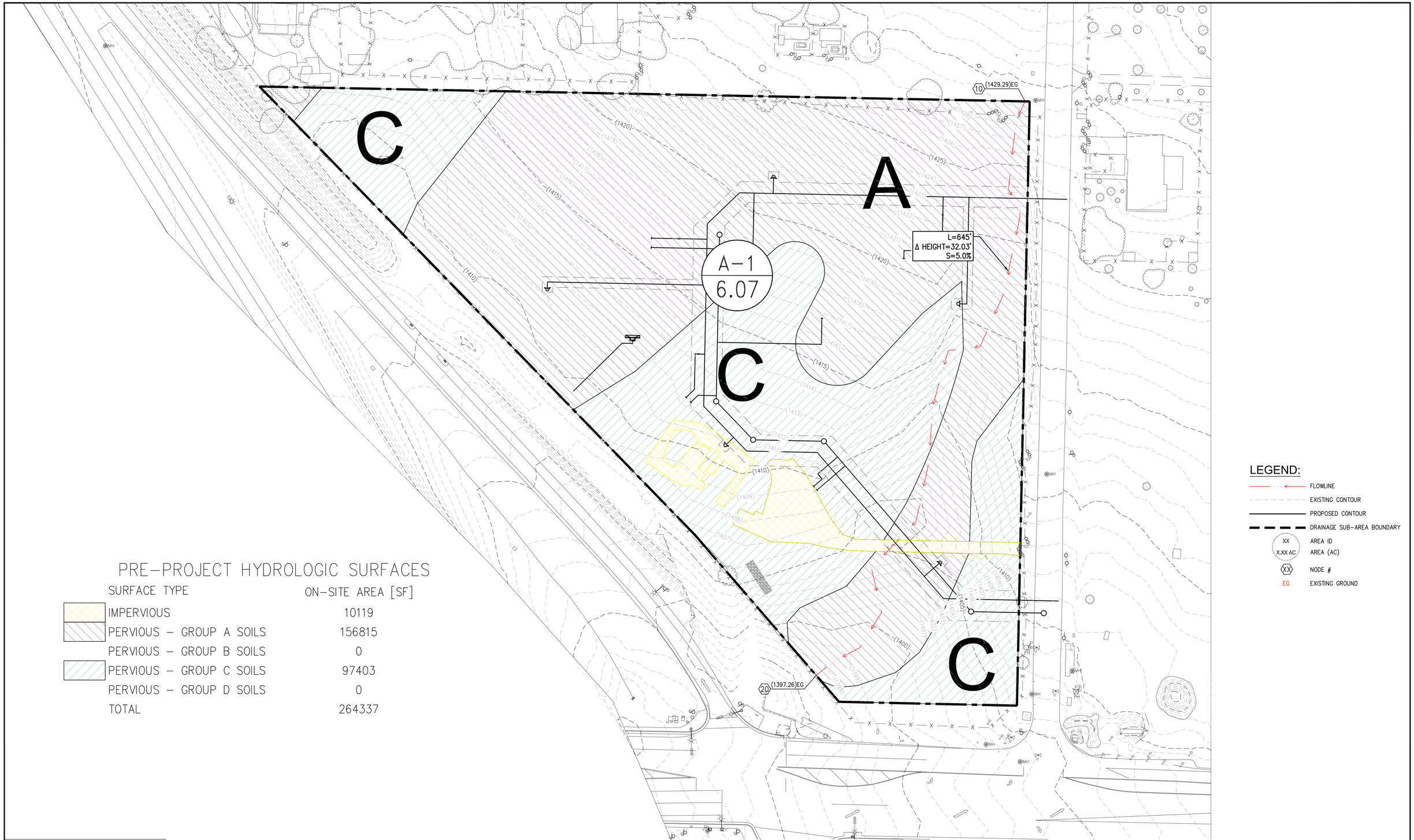
Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Appendix C – Existing Hydrology Calculations



PRE-PROJECT HYDROLOGIC SURFACES

SURFACE TYPE	ON-SITE AREA [SF]
IMPERVIOUS	10119
PERVIOUS - GROUP A SOILS	156815
PERVIOUS - GROUP B SOILS	0
PERVIOUS - GROUP C SOILS	97403
PERVIOUS - GROUP D SOILS	0
TOTAL	264337

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NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the design hereon. In the event of discrepancies arising after city acceptance or during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for acceptance by the city.

MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:

Date:

Daniel A. York, Director of Public Works/ City Engineer, PE 43212

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

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Dallas Atlanta

BENCHMARK:
Elevation = _____
Datum = _____
BENCHMARK # _____

THIS SURVEY WAS PERFORMED ON (date) BY (surveyor)
L.S. (number), EXP. (date)

SCALE:
H: As Noted V: As Noted

(PP, CUP, PM, TM, etc.) (city project number)

CITY OF WILDOMAR

EXISTING CONDITIONS HYDROLOGY MAP
CHERRY OUTPOST IN THE CITY OF WILDOMAR, RIVERSIDE COUNTY

SHEET No. 1
OF 1 SHTS

```
_____________________________________________________________________________
*****************************************************************************
           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                     (RCFC&WCD)  1978 HYDROLOGY MANUAL
         (c) Copyright 1982-2016 Advanced Engineering Software (aes)
                     (Rational Tabling Version 23.0)
                Release Date: 07/01/2016  License ID 1334

                         Analysis prepared by:

                          TAIT & ASSOCIATES INC.
                         701 N. PARKCENTER DRIVE
                        SANTA ANA, CALIFORNIA 92705


 ************************ DESCRIPTION OF STUDY ************************
* SP8997 - WILDOMAR CHERRY OUTPOST                                    *
* EXISTING CONDITION RATIONAL METHOD                                  *
* 100-YEAR STORM EVENT                                                *
 *********************************************************************

  FILE NAME: WIL100EX.DAT
  TIME/DATE OF STUDY: 10:25 03/21/2023
-----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
-----------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   6.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  1.600
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.786
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.680
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.310
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.3967061
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.3994898
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.310
  SLOPE OF INTENSITY DURATION CURVE = 0.3995
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: COMPUTE CONFLUENCE VALUES ACCORDING TO RCFC&WCD HYDROLOGY MANUAL
        AND IGNORE OTHER CONFLUENCE COMBINATIONS FOR DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

*****************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     20.00 IS CODE =  21
-----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
=============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS: UNDEVELOPED WITH POOR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   645.00
  UPSTREAM ELEVATION(FEET) =   1429.29
  DOWNSTREAM ELEVATION(FEET) =   1397.26
  ELEVATION DIFFERENCE(FEET) =     32.03
  TC = 0.533*[(  645.00**3)/(    32.03)]**.2 =   12.913
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.420
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .4146
  SOIL CLASSIFICATION IS "A"
  SUBAREA RUNOFF(CFS) =      3.61
  TOTAL AREA(ACRES) =      3.60   TOTAL RUNOFF(CFS) =      3.61

*****************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     20.00 IS CODE =  81
-----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
=============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.420
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7214
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    2.24   SUBAREA RUNOFF(CFS) =    3.91
  TOTAL AREA(ACRES) =        5.8   TOTAL RUNOFF(CFS) =       7.52
  TC(MIN.) =   12.91

*****************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     20.00 IS CODE =  81
-----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
=============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.420
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8515
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.02   SUBAREA RUNOFF(CFS) =    0.04
  TOTAL AREA(ACRES) =        5.9   TOTAL RUNOFF(CFS) =       7.56
  TC(MIN.) =   12.91

*****************************************************************************
```

```
  FLOW PROCESS FROM NODE     20.00 TO NODE     20.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.420
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8821
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.21   SUBAREA RUNOFF(CFS) =    0.45
  TOTAL AREA(ACRES) =        6.1   TOTAL RUNOFF(CFS) =       8.01
  TC(MIN.) =   12.91
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        6.1  TC(MIN.) =     12.91
  PEAK FLOW RATE(CFS)   =       8.01
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
______________________________________________________________________________
******************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
          (c) Copyright 1989-2016 Advanced Engineering Software (aes)
              Ver. 23.0  Release Date: 07/01/2016  License ID 1334

                          Analysis prepared by:




 ************************* DESCRIPTION OF STUDY *************************
* CHERRY OUTPOST                                                       *
* 100 YR - EXISTING CONDITION                                          *
* SMALL AREA UNIT HYDROGRAPH                                           *
 ************************************************************************

  FILE NAME: 100YREXH.DAT
  TIME/DATE OF STUDY: 11:46 03/24/2023

   The Small Area Unit Hydrograph Procedures in Section J
   of the Hydrology Manual provides estimates of runoff
   hydrograph and runoff volume for watersheds whose time of
   concentration is less than 25 minutes. The PROGRAM User
   should check the applicability of using the small area unit
   hydrograph procedures, and follow the guidelines in
   Sections J and K.5 in complex watershed modeling.


******************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     20.00 IS CODE = 1.2
------------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
==============================================================================

  (SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

    RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
    TOTAL CATCHMENT AREA(ACRES) =    6.07
    SOIL-LOSS RATE, Fm,(INCH/HR) =  0.385
    LOW LOSS FRACTION = 0.445
    TIME OF CONCENTRATION(MIN.) = 12.91
    SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
    USER SPECIFIED RAINFALL VALUES ARE USED:
    RETURN FREQUENCY(YEARS) = 100
       5-MINUTE POINT RAINFALL VALUE(INCHES) =  0.31
      30-MINUTE POINT RAINFALL VALUE(INCHES) =  0.85
       1-HOUR   POINT RAINFALL VALUE(INCHES) =  1.31
       3-HOUR   POINT RAINFALL VALUE(INCHES) =  2.13
       6-HOUR   POINT RAINFALL VALUE(INCHES) =  2.96
      24-HOUR   POINT RAINFALL VALUE(INCHES) =  5.87

------------------------------------------------------------------------------
    TOTAL CATCHMENT   RUNOFF  VOLUME(ACRE-FEET) =     1.56
    TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) =     1.41

------------------------------------------------------------------------------
♠
==============================================================================

                      2 4 - H O U R    S T O R M
                   R U N O F F    H Y D R O G R A P H

==============================================================================
              HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
         (Notes: Time indicated is at END of Each Unit Intervals.
                 Peak 5-minute rainfall intensity is modeled as
                 a constant value for entire 5-minute period.)
------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.        2.8       5.7       8.5      11.3
------------------------------------------------------------------------------
   0.017      0.0000      0.00  Q        .         .         .         .
   0.033      0.0000      0.00  Q        .         .         .         .
   0.050      0.0000      0.00  Q        .         .         .         .
   0.067      0.0000      0.00  Q        .         .         .         .
   0.083      0.0000      0.00  Q        .         .         .         .
   0.100      0.0000      0.02  Q        .         .         .         .
   0.117      0.0001      0.05  Q        .         .         .         .
   0.133      0.0002      0.08  Q        .         .         .         .
   0.150      0.0004      0.11  Q        .         .         .         .
   0.167      0.0006      0.14  Q        .         .         .         .
   0.183      0.0008      0.17  Q        .         .         .         .
   0.200      0.0011      0.19  Q        .         .         .         .
   0.217      0.0014      0.22  Q        .         .         .         .
   0.233      0.0017      0.25  Q        .         .         .         .
   0.250      0.0021      0.28  Q        .         .         .         .
   0.267      0.0025      0.31  VQ       .         .         .         .
   0.283      0.0030      0.34  VQ       .         .         .         .
   0.300      0.0035      0.36  VQ       .         .         .         .
   0.317      0.0040      0.37  VQ       .         .         .         .
   0.333      0.0045      0.37  VQ       .         .         .         .
   0.350      0.0050      0.37  VQ       .         .         .         .
   0.367      0.0055      0.37  VQ       .         .         .         .
   0.383      0.0060      0.37  VQ       .         .         .         .
   0.400      0.0065      0.37  VQ       .         .         .         .
   0.417      0.0070      0.37  VQ       .         .         .         .
```

0.433	0.0076	0.37	VQ	.	.	.	.
0.450	0.0081	0.37	VQ	.	.	.	.
0.467	0.0086	0.37	VQ	.	.	.	.
0.483	0.0091	0.37	VQ	.	.	.	.
0.500	0.0096	0.37	VQ	.	.	.	.
0.517	0.0101	0.37	VQ	.	.	.	.
0.533	0.0106	0.37	VQ	.	.	.	.
0.550	0.0111	0.37	VQ	.	.	.	.
0.567	0.0116	0.37	VQ	.	.	.	.
0.583	0.0121	0.37	VQ	.	.	.	.
0.600	0.0126	0.37	VQ	.	.	.	.
0.617	0.0132	0.37	VQ	.	.	.	.
0.633	0.0137	0.37	VQ	.	.	.	.
0.650	0.0142	0.37	VQ	.	.	.	.
0.667	0.0147	0.37	VQ	.	.	.	.
0.683	0.0152	0.37	VQ	.	.	.	.
0.700	0.0157	0.37	VQ	.	.	.	.
0.717	0.0162	0.37	VQ	.	.	.	.
0.733	0.0167	0.37	VQ	.	.	.	.
0.750	0.0173	0.37	VQ	.	.	.	.
0.767	0.0178	0.37	VQ	.	.	.	.
0.783	0.0183	0.37	VQ	.	.	.	.
0.800	0.0188	0.37	VQ	.	.	.	.
0.817	0.0193	0.37	VQ	.	.	.	.
0.833	0.0198	0.37	VQ	.	.	.	.
0.850	0.0204	0.37	VQ	.	.	.	.
0.867	0.0209	0.37	VQ	.	.	.	.
0.883	0.0214	0.37	VQ	.	.	.	.
0.900	0.0219	0.37	VQ	.	.	.	.
0.917	0.0224	0.37	VQ	.	.	.	.
0.933	0.0229	0.37	VQ	.	.	.	.
0.950	0.0234	0.37	VQ	.	.	.	.
0.967	0.0240	0.38	VQ	.	.	.	.
0.983	0.0245	0.38	VQ	.	.	.	.
1.000	0.0250	0.38	VQ	.	.	.	.
1.017	0.0255	0.38	VQ	.	.	.	.
1.033	0.0260	0.38	VQ	.	.	.	.
1.050	0.0266	0.38	VQ	.	.	.	.
1.067	0.0271	0.38	VQ	.	.	.	.
1.083	0.0276	0.38	VQ	.	.	.	.
1.100	0.0281	0.38	VQ	.	.	.	.
1.117	0.0286	0.38	VQ	.	.	.	.
1.133	0.0292	0.38	VQ	.	.	.	.
1.150	0.0297	0.38	VQ	.	.	.	.
1.167	0.0302	0.38	VQ	.	.	.	.
1.183	0.0307	0.38	VQ	.	.	.	.
1.200	0.0312	0.38	VQ	.	.	.	.
1.217	0.0318	0.38	VQ	.	.	.	.
1.233	0.0323	0.38	VQ	.	.	.	.
1.250	0.0328	0.38	VQ	.	.	.	.
1.267	0.0333	0.38	VQ	.	.	.	.
1.283	0.0339	0.38	VQ	.	.	.	.
1.300	0.0344	0.38	VQ	.	.	.	.
1.317	0.0349	0.38	VQ	.	.	.	.
1.333	0.0354	0.38	VQ	.	.	.	.
1.350	0.0359	0.38	VQ	.	.	.	.
1.367	0.0365	0.38	VQ	.	.	.	.
1.383	0.0370	0.38	VQ	.	.	.	.
1.400	0.0375	0.38	VQ	.	.	.	.
1.417	0.0380	0.38	VQ	.	.	.	.
1.433	0.0386	0.38	VQ	.	.	.	.
1.450	0.0391	0.38	VQ	.	.	.	.
1.467	0.0396	0.38	.Q	.	.	.	.
1.483	0.0401	0.38	.Q	.	.	.	.
1.500	0.0407	0.38	.Q	.	.	.	.
1.517	0.0412	0.38	.Q	.	.	.	.
1.533	0.0417	0.38	.Q	.	.	.	.
1.550	0.0423	0.38	.Q	.	.	.	.
1.567	0.0428	0.38	.Q	.	.	.	.
1.583	0.0433	0.38	.Q	.	.	.	.
1.600	0.0438	0.38	.Q	.	.	.	.
1.617	0.0444	0.38	.Q	.	.	.	.
1.633	0.0449	0.38	.Q	.	.	.	.
1.650	0.0454	0.38	.Q	.	.	.	.
1.667	0.0460	0.38	.Q	.	.	.	.
1.683	0.0465	0.38	.Q	.	.	.	.
1.700	0.0470	0.39	.Q	.	.	.	.
1.717	0.0476	0.39	.Q	.	.	.	.
1.733	0.0481	0.39	.Q	.	.	.	.
1.750	0.0486	0.39	.Q	.	.	.	.
1.767	0.0491	0.39	.Q	.	.	.	.
1.783	0.0497	0.39	.Q	.	.	.	.
1.800	0.0502	0.39	.Q	.	.	.	.
1.817	0.0507	0.39	.Q	.	.	.	.
1.833	0.0513	0.39	.Q	.	.	.	.
1.850	0.0518	0.39	.Q	.	.	.	.
1.867	0.0523	0.39	.Q	.	.	.	.
1.883	0.0529	0.39	.Q	.	.	.	.
1.900	0.0534	0.39	.Q	.	.	.	.
1.917	0.0539	0.39	.Q	.	.	.	.
1.933	0.0545	0.39	.Q	.	.	.	.
1.950	0.0550	0.39	.Q	.	.	.	.
1.967	0.0556	0.39	.Q	.	.	.	.
1.983	0.0561	0.39	.Q	.	.	.	.
2.000	0.0566	0.39	.Q	.	.	.	.
2.017	0.0572	0.39	.Q	.	.	.	.
2.033	0.0577	0.39	.Q	.	.	.	.
2.050	0.0582	0.39	.Q	.	.	.	.
2.067	0.0588	0.39	.Q	.	.	.	.
2.083	0.0593	0.39	.Q	.	.	.	.

2.100	0.0599	0.39	.Q	.	.	.	.
2.117	0.0604	0.39	.Q	.	.	.	.
2.133	0.0609	0.39	.Q	.	.	.	.
2.150	0.0615	0.39	.Q	.	.	.	.
2.167	0.0620	0.39	.Q	.	.	.	.
2.183	0.0625	0.39	.Q	.	.	.	.
2.200	0.0631	0.39	.Q	.	.	.	.
2.217	0.0636	0.39	.Q	.	.	.	.
2.233	0.0642	0.39	.Q	.	.	.	.
2.250	0.0647	0.39	.Q	.	.	.	.
2.267	0.0652	0.39	.Q	.	.	.	.
2.283	0.0658	0.39	.Q	.	.	.	.
2.300	0.0663	0.39	.Q	.	.	.	.
2.317	0.0669	0.39	.Q	.	.	.	.
2.333	0.0674	0.39	.Q	.	.	.	.
2.350	0.0680	0.39	.Q	.	.	.	.
2.367	0.0685	0.39	.Q	.	.	.	.
2.383	0.0690	0.39	.Q	.	.	.	.
2.400	0.0696	0.40	.Q	.	.	.	.
2.417	0.0701	0.40	.Q	.	.	.	.
2.433	0.0707	0.40	.Q	.	.	.	.
2.450	0.0712	0.40	.Q	.	.	.	.
2.467	0.0718	0.40	.Q	.	.	.	.
2.483	0.0723	0.40	.Q	.	.	.	.
2.500	0.0729	0.40	.Q	.	.	.	.
2.517	0.0734	0.40	.Q	.	.	.	.
2.533	0.0740	0.40	.Q	.	.	.	.
2.550	0.0745	0.40	.Q	.	.	.	.
2.567	0.0750	0.40	.Q	.	.	.	.
2.583	0.0756	0.40	.Q	.	.	.	.
2.600	0.0761	0.40	.Q	.	.	.	.
2.617	0.0767	0.40	.Q	.	.	.	.
2.633	0.0772	0.40	.Q	.	.	.	.
2.650	0.0778	0.40	.Q	.	.	.	.
2.667	0.0783	0.40	.QV	.	.	.	.
2.683	0.0789	0.40	.QV	.	.	.	.
2.700	0.0794	0.40	.QV	.	.	.	.
2.717	0.0800	0.40	.QV	.	.	.	.
2.733	0.0805	0.40	.QV	.	.	.	.
2.750	0.0811	0.40	.QV	.	.	.	.
2.767	0.0816	0.40	.QV	.	.	.	.
2.783	0.0822	0.40	.QV	.	.	.	.
2.800	0.0827	0.40	.QV	.	.	.	.
2.817	0.0833	0.40	.QV	.	.	.	.
2.833	0.0838	0.40	.QV	.	.	.	.
2.850	0.0844	0.40	.QV	.	.	.	.
2.867	0.0850	0.40	.QV	.	.	.	.
2.883	0.0855	0.40	.QV	.	.	.	.
2.900	0.0861	0.40	.QV	.	.	.	.
2.917	0.0866	0.40	.QV	.	.	.	.
2.933	0.0872	0.40	.QV	.	.	.	.
2.950	0.0877	0.40	.QV	.	.	.	.
2.967	0.0883	0.40	.QV	.	.	.	.
2.983	0.0888	0.40	.QV	.	.	.	.
3.000	0.0894	0.40	.QV	.	.	.	.
3.017	0.0900	0.40	.QV	.	.	.	.
3.033	0.0905	0.40	.QV	.	.	.	.
3.050	0.0911	0.40	.QV	.	.	.	.
3.067	0.0916	0.40	.QV	.	.	.	.
3.083	0.0922	0.40	.QV	.	.	.	.
3.100	0.0927	0.40	.QV	.	.	.	.
3.117	0.0933	0.41	.QV	.	.	.	.
3.133	0.0939	0.41	.QV	.	.	.	.
3.150	0.0944	0.41	.QV	.	.	.	.
3.167	0.0950	0.41	.QV	.	.	.	.
3.183	0.0955	0.41	.QV	.	.	.	.
3.200	0.0961	0.41	.QV	.	.	.	.
3.217	0.0967	0.41	.QV	.	.	.	.
3.233	0.0972	0.41	.QV	.	.	.	.
3.250	0.0978	0.41	.QV	.	.	.	.
3.267	0.0983	0.41	.QV	.	.	.	.
3.283	0.0989	0.41	.QV	.	.	.	.
3.300	0.0995	0.41	.QV	.	.	.	.
3.317	0.1000	0.41	.QV	.	.	.	.
3.333	0.1006	0.41	.QV	.	.	.	.
3.350	0.1012	0.41	.QV	.	.	.	.
3.367	0.1017	0.41	.QV	.	.	.	.
3.383	0.1023	0.41	.QV	.	.	.	.
3.400	0.1029	0.41	.QV	.	.	.	.
3.417	0.1034	0.41	.QV	.	.	.	.
3.433	0.1040	0.41	.QV	.	.	.	.
3.450	0.1046	0.41	.QV	.	.	.	.
3.467	0.1051	0.41	.QV	.	.	.	.
3.483	0.1057	0.41	.QV	.	.	.	.
3.500	0.1063	0.41	.QV	.	.	.	.
3.517	0.1068	0.41	.QV	.	.	.	.
3.533	0.1074	0.41	.QV	.	.	.	.
3.550	0.1080	0.41	.QV	.	.	.	.
3.567	0.1085	0.41	.QV	.	.	.	.
3.583	0.1091	0.41	.QV	.	.	.	.
3.600	0.1097	0.41	.QV	.	.	.	.
3.617	0.1102	0.41	.QV	.	.	.	.
3.633	0.1108	0.41	.QV	.	.	.	.
3.650	0.1114	0.41	.QV	.	.	.	.
3.667	0.1119	0.41	.QV	.	.	.	.
3.683	0.1125	0.42	.QV	.	.	.	.
3.700	0.1131	0.42	.QV	.	.	.	.
3.717	0.1137	0.42	.QV	.	.	.	.
3.733	0.1142	0.42	.QV	.	.	.	.
3.750	0.1148	0.42	.QV	.	.	.	.

3.767	0.1154	0.42	.QV	.	.	.	.
3.783	0.1160	0.42	.QV	.	.	.	.
3.800	0.1165	0.42	.QV	.	.	.	.
3.817	0.1171	0.42	.QV	.	.	.	.
3.833	0.1177	0.42	.Q V	.	.	.	.
3.850	0.1183	0.42	.Q V	.	.	.	.
3.867	0.1188	0.42	.Q V	.	.	.	.
3.883	0.1194	0.42	.Q V	.	.	.	.
3.900	0.1200	0.42	.Q V	.	.	.	.
3.917	0.1206	0.42	.Q V	.	.	.	.
3.933	0.1211	0.42	.Q V	.	.	.	.
3.950	0.1217	0.42	.Q V	.	.	.	.
3.967	0.1223	0.42	.Q V	.	.	.	.
3.983	0.1229	0.42	.Q V	.	.	.	.
4.000	0.1235	0.42	.Q V	.	.	.	.
4.017	0.1240	0.42	.Q V	.	.	.	.
4.033	0.1246	0.42	.Q V	.	.	.	.
4.050	0.1252	0.42	.Q V	.	.	.	.
4.067	0.1258	0.42	.Q V	.	.	.	.
4.083	0.1264	0.42	.Q V	.	.	.	.
4.100	0.1269	0.42	.Q V	.	.	.	.
4.117	0.1275	0.42	.Q V	.	.	.	.
4.133	0.1281	0.42	.Q V	.	.	.	.
4.150	0.1287	0.42	.Q V	.	.	.	.
4.167	0.1293	0.42	.Q V	.	.	.	.
4.183	0.1299	0.42	.Q V	.	.	.	.
4.200	0.1304	0.42	.Q V	.	.	.	.
4.217	0.1310	0.42	.Q V	.	.	.	.
4.233	0.1316	0.42	.Q V	.	.	.	.
4.250	0.1322	0.42	.Q V	.	.	.	.
4.267	0.1328	0.43	.Q V	.	.	.	.
4.283	0.1334	0.43	.Q V	.	.	.	.
4.300	0.1340	0.43	.Q V	.	.	.	.
4.317	0.1345	0.43	.Q V	.	.	.	.
4.333	0.1351	0.43	.Q V	.	.	.	.
4.350	0.1357	0.43	.Q V	.	.	.	.
4.367	0.1363	0.43	.Q V	.	.	.	.
4.383	0.1369	0.43	.Q V	.	.	.	.
4.400	0.1375	0.43	.Q V	.	.	.	.
4.417	0.1381	0.43	.Q V	.	.	.	.
4.433	0.1387	0.43	.Q V	.	.	.	.
4.450	0.1392	0.43	.Q V	.	.	.	.
4.467	0.1398	0.43	.Q V	.	.	.	.
4.483	0.1404	0.43	.Q V	.	.	.	.
4.500	0.1410	0.43	.Q V	.	.	.	.
4.517	0.1416	0.43	.Q V	.	.	.	.
4.533	0.1422	0.43	.Q V	.	.	.	.
4.550	0.1428	0.43	.Q V	.	.	.	.
4.567	0.1434	0.43	.Q V	.	.	.	.
4.583	0.1440	0.43	.Q V	.	.	.	.
4.600	0.1446	0.43	.Q V	.	.	.	.
4.617	0.1452	0.43	.Q V	.	.	.	.
4.633	0.1458	0.43	.Q V	.	.	.	.
4.650	0.1464	0.43	.Q V	.	.	.	.
4.667	0.1470	0.43	.Q V	.	.	.	.
4.683	0.1476	0.43	.Q V	.	.	.	.
4.700	0.1481	0.43	.Q V	.	.	.	.
4.717	0.1487	0.43	.Q V	.	.	.	.
4.733	0.1493	0.43	.Q V	.	.	.	.
4.750	0.1499	0.43	.Q V	.	.	.	.
4.767	0.1505	0.43	.Q V	.	.	.	.
4.783	0.1511	0.43	.Q V	.	.	.	.
4.800	0.1517	0.43	.Q V	.	.	.	.
4.817	0.1523	0.43	.Q V	.	.	.	.
4.833	0.1529	0.44	.Q V	.	.	.	.
4.850	0.1535	0.44	.Q V	.	.	.	.
4.867	0.1541	0.44	.Q V	.	.	.	.
4.883	0.1547	0.44	.Q V	.	.	.	.
4.900	0.1553	0.44	.Q V	.	.	.	.
4.917	0.1559	0.44	.Q V	.	.	.	.
4.933	0.1565	0.44	.Q V	.	.	.	.
4.950	0.1571	0.44	.Q V	.	.	.	.
4.967	0.1577	0.44	.Q V	.	.	.	.
4.983	0.1584	0.44	.Q V	.	.	.	.
5.000	0.1590	0.44	.Q V	.	.	.	.
5.017	0.1596	0.44	.Q V	.	.	.	.
5.033	0.1602	0.44	.Q V	.	.	.	.
5.050	0.1608	0.44	.Q V	.	.	.	.
5.067	0.1614	0.44	.Q V	.	.	.	.
5.083	0.1620	0.44	.Q V	.	.	.	.
5.100	0.1626	0.44	.Q V	.	.	.	.
5.117	0.1632	0.44	.Q V	.	.	.	.
5.133	0.1638	0.44	.Q V	.	.	.	.
5.150	0.1644	0.44	.Q V	.	.	.	.
5.167	0.1650	0.44	.Q V	.	.	.	.
5.183	0.1656	0.44	.Q V	.	.	.	.
5.200	0.1663	0.44	.Q V	.	.	.	.
5.217	0.1669	0.44	.Q V	.	.	.	.
5.233	0.1675	0.44	.Q V	.	.	.	.
5.250	0.1681	0.44	.Q V	.	.	.	.
5.267	0.1687	0.44	.Q V	.	.	.	.
5.283	0.1693	0.44	.Q V	.	.	.	.
5.300	0.1699	0.44	.Q V	.	.	.	.
5.317	0.1705	0.45	.Q V	.	.	.	.
5.333	0.1711	0.45	.Q V	.	.	.	.
5.350	0.1718	0.45	.Q V	.	.	.	.
5.367	0.1724	0.45	.Q V	.	.	.	.
5.383	0.1730	0.45	.Q V	.	.	.	.
5.400	0.1736	0.45	.Q V	.	.	.	.
5.417	0.1742	0.45	.Q V	.	.	.	.

5.433	0.1748	0.45	.Q	V	.	.	.	.
5.450	0.1755	0.45	.Q	V	.	.	.	.
5.467	0.1761	0.45	.Q	V	.	.	.	.
5.483	0.1767	0.45	.Q	V	.	.	.	.
5.500	0.1773	0.45	.Q	V	.	.	.	.
5.517	0.1779	0.45	.Q	V	.	.	.	.
5.533	0.1786	0.45	.Q	V	.	.	.	.
5.550	0.1792	0.45	.Q	V	.	.	.	.
5.567	0.1798	0.45	.Q	V	.	.	.	.
5.583	0.1804	0.45	.Q	V	.	.	.	.
5.600	0.1810	0.45	.Q	V	.	.	.	.
5.617	0.1817	0.45	.Q	V	.	.	.	.
5.633	0.1823	0.45	.Q	V	.	.	.	.
5.650	0.1829	0.45	.Q	V	.	.	.	.
5.667	0.1835	0.45	.Q	V	.	.	.	.
5.683	0.1842	0.45	.Q	V	.	.	.	.
5.700	0.1848	0.45	.Q	V	.	.	.	.
5.717	0.1854	0.45	.Q	V	.	.	.	.
5.733	0.1860	0.45	.Q	V	.	.	.	.
5.750	0.1867	0.45	.Q	V	.	.	.	.
5.767	0.1873	0.45	.Q	V	.	.	.	.
5.783	0.1879	0.46	.Q	V	.	.	.	.
5.800	0.1885	0.46	.Q	V	.	.	.	.
5.817	0.1892	0.46	.Q	V	.	.	.	.
5.833	0.1898	0.46	.Q	V	.	.	.	.
5.850	0.1904	0.46	.Q	V	.	.	.	.
5.867	0.1911	0.46	.Q	V	.	.	.	.
5.883	0.1917	0.46	.Q	V	.	.	.	.
5.900	0.1923	0.46	.Q	V	.	.	.	.
5.917	0.1930	0.46	.Q	V	.	.	.	.
5.933	0.1936	0.46	.Q	V	.	.	.	.
5.950	0.1942	0.46	.Q	V	.	.	.	.
5.967	0.1948	0.46	.Q	V	.	.	.	.
5.983	0.1955	0.46	.Q	V	.	.	.	.
6.000	0.1961	0.46	.Q	V	.	.	.	.
6.017	0.1968	0.46	.Q	V	.	.	.	.
6.033	0.1974	0.46	.Q	V	.	.	.	.
6.050	0.1980	0.46	.Q	V	.	.	.	.
6.067	0.1987	0.46	.Q	V	.	.	.	.
6.083	0.1993	0.46	.Q	V	.	.	.	.
6.100	0.1999	0.46	.Q	V	.	.	.	.
6.117	0.2006	0.46	.Q	V	.	.	.	.
6.133	0.2012	0.46	.Q	V	.	.	.	.
6.150	0.2018	0.46	.Q	V	.	.	.	.
6.167	0.2025	0.46	.Q	V	.	.	.	.
6.183	0.2031	0.46	.Q	V	.	.	.	.
6.200	0.2038	0.46	.Q	V	.	.	.	.
6.217	0.2044	0.47	.Q	V	.	.	.	.
6.233	0.2050	0.47	.Q	V	.	.	.	.
6.250	0.2057	0.47	.Q	V	.	.	.	.
6.267	0.2063	0.47	.Q	V	.	.	.	.
6.283	0.2070	0.47	.Q	V	.	.	.	.
6.300	0.2076	0.47	.Q	V	.	.	.	.
6.317	0.2083	0.47	.Q	V	.	.	.	.
6.333	0.2089	0.47	.Q	V	.	.	.	.
6.350	0.2096	0.47	.Q	V	.	.	.	.
6.367	0.2102	0.47	.Q	V	.	.	.	.
6.383	0.2108	0.47	.Q	V	.	.	.	.
6.400	0.2115	0.47	.Q	V	.	.	.	.
6.417	0.2121	0.47	.Q	V	.	.	.	.
6.433	0.2128	0.47	.Q	V	.	.	.	.
6.450	0.2134	0.47	.Q	V	.	.	.	.
6.467	0.2141	0.47	.Q	V	.	.	.	.
6.483	0.2147	0.47	.Q	V	.	.	.	.
6.500	0.2154	0.47	.Q	V	.	.	.	.
6.517	0.2160	0.47	.Q	V	.	.	.	.
6.533	0.2167	0.47	.Q	V	.	.	.	.
6.550	0.2173	0.47	.Q	V	.	.	.	.
6.567	0.2180	0.47	.Q	V	.	.	.	.
6.583	0.2186	0.47	.Q	V	.	.	.	.
6.600	0.2193	0.47	.Q	V	.	.	.	.
6.617	0.2199	0.47	.Q	V	.	.	.	.
6.633	0.2206	0.48	.Q	V	.	.	.	.
6.650	0.2213	0.48	.Q	V	.	.	.	.
6.667	0.2219	0.48	.Q	V	.	.	.	.
6.683	0.2226	0.48	.Q	V	.	.	.	.
6.700	0.2232	0.48	.Q	V	.	.	.	.
6.717	0.2239	0.48	.Q	V	.	.	.	.
6.733	0.2245	0.48	.Q	V	.	.	.	.
6.750	0.2252	0.48	.Q	V	.	.	.	.
6.767	0.2259	0.48	.Q	V	.	.	.	.
6.783	0.2265	0.48	.Q	V	.	.	.	.
6.800	0.2272	0.48	.Q	V	.	.	.	.
6.817	0.2279	0.48	.Q	V	.	.	.	.
6.833	0.2285	0.48	.Q	V	.	.	.	.
6.850	0.2292	0.48	.Q	V	.	.	.	.
6.867	0.2298	0.48	.Q	V	.	.	.	.
6.883	0.2305	0.48	.Q	V	.	.	.	.
6.900	0.2312	0.48	.Q	V	.	.	.	.
6.917	0.2318	0.48	.Q	V	.	.	.	.
6.933	0.2325	0.48	.Q	V	.	.	.	.
6.950	0.2332	0.48	.Q	V	.	.	.	.
6.967	0.2338	0.48	.Q	V	.	.	.	.
6.983	0.2345	0.48	.Q	V	.	.	.	.
7.000	0.2352	0.48	.Q	V	.	.	.	.
7.017	0.2358	0.48	.Q	V	.	.	.	.
7.033	0.2365	0.49	.Q	V	.	.	.	.
7.050	0.2372	0.49	.Q	V	.	.	.	.
7.067	0.2378	0.49	.Q	V	.	.	.	.
7.083	0.2385	0.49	.Q	V	.	.	.	.

7.100	0.2392	0.49	.Q	V	.	.	.	.
7.117	0.2399	0.49	.Q	V	.	.	.	.
7.133	0.2405	0.49	.Q	V	.	.	.	.
7.150	0.2412	0.49	.Q	V	.	.	.	.
7.167	0.2419	0.49	.Q	V	.	.	.	.
7.183	0.2426	0.49	.Q	V	.	.	.	.
7.200	0.2432	0.49	.Q	V	.	.	.	.
7.217	0.2439	0.49	.Q	V	.	.	.	.
7.233	0.2446	0.49	.Q	V	.	.	.	.
7.250	0.2453	0.49	.Q	V	.	.	.	.
7.267	0.2459	0.49	.Q	V	.	.	.	.
7.283	0.2466	0.49	.Q	V	.	.	.	.
7.300	0.2473	0.49	.Q	V	.	.	.	.
7.317	0.2480	0.49	.Q	V	.	.	.	.
7.333	0.2487	0.49	.Q	V	.	.	.	.
7.350	0.2493	0.49	.Q	V	.	.	.	.
7.367	0.2500	0.49	.Q	V	.	.	.	.
7.383	0.2507	0.49	.Q	V	.	.	.	.
7.400	0.2514	0.50	.Q	V	.	.	.	.
7.417	0.2521	0.50	.Q	V	.	.	.	.
7.433	0.2528	0.50	.Q	V	.	.	.	.
7.450	0.2534	0.50	.Q	V	.	.	.	.
7.467	0.2541	0.50	.Q	V	.	.	.	.
7.483	0.2548	0.50	.Q	V	.	.	.	.
7.500	0.2555	0.50	.Q	V	.	.	.	.
7.517	0.2562	0.50	.Q	V	.	.	.	.
7.533	0.2569	0.50	.Q	V	.	.	.	.
7.550	0.2576	0.50	.Q	V	.	.	.	.
7.567	0.2583	0.50	.Q	V	.	.	.	.
7.583	0.2589	0.50	.Q	V	.	.	.	.
7.600	0.2596	0.50	.Q	V	.	.	.	.
7.617	0.2603	0.50	.Q	V	.	.	.	.
7.633	0.2610	0.50	.Q	V	.	.	.	.
7.650	0.2617	0.50	.Q	V	.	.	.	.
7.667	0.2624	0.50	.Q	V	.	.	.	.
7.683	0.2631	0.50	.Q	V	.	.	.	.
7.700	0.2638	0.51	.Q	V	.	.	.	.
7.717	0.2645	0.51	.Q	V	.	.	.	.
7.733	0.2652	0.51	.Q	V	.	.	.	.
7.750	0.2659	0.51	.Q	V	.	.	.	.
7.767	0.2666	0.51	.Q	V	.	.	.	.
7.783	0.2673	0.51	.Q	V	.	.	.	.
7.800	0.2680	0.51	.Q	V	.	.	.	.
7.817	0.2687	0.51	.Q	V	.	.	.	.
7.833	0.2694	0.51	.Q	V	.	.	.	.
7.850	0.2701	0.51	.Q	V	.	.	.	.
7.867	0.2708	0.51	.Q	V	.	.	.	.
7.883	0.2715	0.51	.Q	V	.	.	.	.
7.900	0.2722	0.51	.Q	V	.	.	.	.
7.917	0.2729	0.51	.Q	V	.	.	.	.
7.933	0.2736	0.51	.Q	V	.	.	.	.
7.950	0.2743	0.51	.Q	V	.	.	.	.
7.967	0.2750	0.51	.Q	V	.	.	.	.
7.983	0.2757	0.51	.Q	V	.	.	.	.
8.000	0.2764	0.51	.Q	V	.	.	.	.
8.017	0.2771	0.52	.Q	V	.	.	.	.
8.033	0.2779	0.52	.Q	V	.	.	.	.
8.050	0.2786	0.52	.Q	V	.	.	.	.
8.067	0.2793	0.52	.Q	V	.	.	.	.
8.083	0.2800	0.52	.Q	V	.	.	.	.
8.100	0.2807	0.52	.Q	V	.	.	.	.
8.117	0.2814	0.52	.Q	V	.	.	.	.
8.133	0.2821	0.52	.Q	V	.	.	.	.
8.150	0.2828	0.52	.Q	V	.	.	.	.
8.167	0.2836	0.52	.Q	V	.	.	.	.
8.183	0.2843	0.52	.Q	V	.	.	.	.
8.200	0.2850	0.52	.Q	V	.	.	.	.
8.217	0.2857	0.52	.Q	V	.	.	.	.
8.233	0.2864	0.52	.Q	V	.	.	.	.
8.250	0.2871	0.52	.Q	V	.	.	.	.
8.267	0.2879	0.52	.Q	V	.	.	.	.
8.283	0.2886	0.52	.Q	V	.	.	.	.
8.300	0.2893	0.52	.Q	V	.	.	.	.
8.317	0.2900	0.52	.Q	V	.	.	.	.
8.333	0.2907	0.52	.Q	V	.	.	.	.
8.350	0.2915	0.53	.Q	V	.	.	.	.
8.367	0.2922	0.53	.Q	V	.	.	.	.
8.383	0.2929	0.53	.Q	V	.	.	.	.
8.400	0.2936	0.53	.Q	V	.	.	.	.
8.417	0.2944	0.53	.Q	V	.	.	.	.
8.433	0.2951	0.53	.Q	V	.	.	.	.
8.450	0.2958	0.53	.Q	V	.	.	.	.
8.467	0.2966	0.53	.Q	V	.	.	.	.
8.483	0.2973	0.53	.Q	V	.	.	.	.
8.500	0.2980	0.53	.Q	V	.	.	.	.
8.517	0.2988	0.53	.Q	V	.	.	.	.
8.533	0.2995	0.53	.Q	V	.	.	.	.
8.550	0.3002	0.53	.Q	V	.	.	.	.
8.567	0.3010	0.53	.Q	V	.	.	.	.
8.583	0.3017	0.53	.Q	V	.	.	.	.
8.600	0.3024	0.53	.Q	V	.	.	.	.
8.617	0.3032	0.53	.Q	V	.	.	.	.
8.633	0.3039	0.53	.Q	V	.	.	.	.
8.650	0.3046	0.54	.Q	V	.	.	.	.
8.667	0.3054	0.54	.Q	V	.	.	.	.
8.683	0.3061	0.54	.Q	V	.	.	.	.
8.700	0.3069	0.54	.Q	V	.	.	.	.
8.717	0.3076	0.54	.Q	V	.	.	.	.
8.733	0.3083	0.54	.Q	V	.	.	.	.
8.750	0.3091	0.54	.Q	V	.	.	.	.

8.767	0.3098	0.54	.Q	V	.	.	.	.
8.783	0.3106	0.54	.Q	V	.	.	.	.
8.800	0.3113	0.54	.Q	V	.	.	.	.
8.817	0.3121	0.54	.Q	V	.	.	.	.
8.833	0.3128	0.54	.Q	V	.	.	.	.
8.850	0.3136	0.54	.Q	V	.	.	.	.
8.867	0.3143	0.54	.Q	V	.	.	.	.
8.883	0.3151	0.55	.Q	V	.	.	.	.
8.900	0.3158	0.55	.Q	V	.	.	.	.
8.917	0.3166	0.55	.Q	V	.	.	.	.
8.933	0.3173	0.55	.Q	V	.	.	.	.
8.950	0.3181	0.55	.Q	V	.	.	.	.
8.967	0.3188	0.55	.Q	V	.	.	.	.
8.983	0.3196	0.55	.Q	V	.	.	.	.
9.000	0.3204	0.55	.Q	V	.	.	.	.
9.017	0.3211	0.55	.Q	V	.	.	.	.
9.033	0.3219	0.55	.Q	V	.	.	.	.
9.050	0.3226	0.55	.Q	V	.	.	.	.
9.067	0.3234	0.55	.Q	V	.	.	.	.
9.083	0.3241	0.55	.Q	V	.	.	.	.
9.100	0.3249	0.55	.Q	V	.	.	.	.
9.117	0.3257	0.55	.Q	V	.	.	.	.
9.133	0.3264	0.55	.Q	V	.	.	.	.
9.150	0.3272	0.55	.Q	V	.	.	.	.
9.167	0.3280	0.55	.Q	V	.	.	.	.
9.183	0.3287	0.56	.Q	V	.	.	.	.
9.200	0.3295	0.56	.Q	V	.	.	.	.
9.217	0.3303	0.56	.Q	V	.	.	.	.
9.233	0.3310	0.56	.Q	V	.	.	.	.
9.250	0.3318	0.56	.Q	V	.	.	.	.
9.267	0.3326	0.56	.Q	V	.	.	.	.
9.283	0.3333	0.56	.Q	V	.	.	.	.
9.300	0.3341	0.56	.Q	V	.	.	.	.
9.317	0.3349	0.56	.Q	V	.	.	.	.
9.333	0.3357	0.56	.Q	V	.	.	.	.
9.350	0.3364	0.56	.Q	V	.	.	.	.
9.367	0.3372	0.56	.Q	V	.	.	.	.
9.383	0.3380	0.57	.Q	V	.	.	.	.
9.400	0.3388	0.57	.Q	V	.	.	.	.
9.417	0.3396	0.57	.Q	V	.	.	.	.
9.433	0.3403	0.57	. Q	V	.	.	.	.
9.450	0.3411	0.57	. Q	V	.	.	.	.
9.467	0.3419	0.57	. Q	V	.	.	.	.
9.483	0.3427	0.57	. Q	V	.	.	.	.
9.500	0.3435	0.57	. Q	V	.	.	.	.
9.517	0.3443	0.57	. Q	V	.	.	.	.
9.533	0.3450	0.57	. Q	V	.	.	.	.
9.550	0.3458	0.57	. Q	V	.	.	.	.
9.567	0.3466	0.57	. Q	V	.	.	.	.
9.583	0.3474	0.57	. Q	V	.	.	.	.
9.600	0.3482	0.57	. Q	V	.	.	.	.
9.617	0.3490	0.57	. Q	V	.	.	.	.
9.633	0.3498	0.58	. Q	V	.	.	.	.
9.650	0.3506	0.58	. Q	V	.	.	.	.
9.667	0.3514	0.58	. Q	V	.	.	.	.
9.683	0.3522	0.58	. Q	V.		.	.	.
9.700	0.3530	0.58	. Q	V.		.	.	.
9.717	0.3538	0.58	. Q	V.		.	.	.
9.733	0.3546	0.58	. Q	V.		.	.	.
9.750	0.3554	0.58	. Q	V.		.	.	.
9.767	0.3562	0.58	. Q	V.		.	.	.
9.783	0.3570	0.58	. Q	V.		.	.	.
9.800	0.3578	0.58	. Q	V.		.	.	.
9.817	0.3586	0.58	. Q	V.		.	.	.
9.833	0.3594	0.59	. Q	V.		.	.	.
9.850	0.3602	0.59	. Q	V.		.	.	.
9.867	0.3610	0.59	. Q	V.		.	.	.
9.883	0.3618	0.59	. Q	V.		.	.	.
9.900	0.3626	0.59	. Q	V.		.	.	.
9.917	0.3634	0.59	. Q	V.		.	.	.
9.933	0.3642	0.59	. Q	V.		.	.	.
9.950	0.3650	0.59	. Q	V.		.	.	.
9.967	0.3659	0.59	. Q	V.		.	.	.
9.983	0.3667	0.59	. Q	V.		.	.	.
10.000	0.3675	0.59	. Q	V.		.	.	.
10.017	0.3683	0.59	. Q	V.		.	.	.
10.033	0.3691	0.59	. Q	V.		.	.	.
10.050	0.3699	0.59	. Q	V.		.	.	.
10.067	0.3708	0.60	. Q	V.		.	.	.
10.083	0.3716	0.60	. Q	V.		.	.	.
10.100	0.3724	0.60	. Q	V.		.	.	.
10.117	0.3732	0.60	. Q	V.		.	.	.
10.133	0.3740	0.60	. Q	V.		.	.	.
10.150	0.3749	0.60	. Q	V.		.	.	.
10.167	0.3757	0.60	. Q	V.		.	.	.
10.183	0.3765	0.60	. Q	V.		.	.	.
10.200	0.3774	0.60	. Q	V.		.	.	.
10.217	0.3782	0.60	. Q	V.		.	.	.
10.233	0.3790	0.61	. Q	V.		.	.	.
10.250	0.3799	0.61	. Q	V.		.	.	.
10.267	0.3807	0.61	. Q	V.		.	.	.
10.283	0.3815	0.61	. Q	V.		.	.	.
10.300	0.3824	0.61	. Q	V.		.	.	.
10.317	0.3832	0.61	. Q	V.		.	.	.
10.333	0.3841	0.61	. Q	V.		.	.	.
10.350	0.3849	0.61	. Q	V.		.	.	.
10.367	0.3857	0.61	. Q	V.		.	.	.
10.383	0.3866	0.61	. Q	V.		.	.	.
10.400	0.3874	0.61	. Q	V.		.	.	.
10.417	0.3883	0.61	. Q	V.		.	.	.

10.433	0.3891	0.61	. Q	V.	.	.	.
10.450	0.3899	0.61	. Q	V.	.	.	.
10.467	0.3908	0.62	. Q	V.	.	.	.
10.483	0.3916	0.62	. Q	V	.	.	.
10.500	0.3925	0.62	. Q	V	.	.	.
10.517	0.3933	0.62	. Q	V	.	.	.
10.533	0.3942	0.62	. Q	V	.	.	.
10.550	0.3951	0.62	. Q	V	.	.	.
10.567	0.3959	0.62	. Q	V	.	.	.
10.583	0.3968	0.62	. Q	V	.	.	.
10.600	0.3976	0.63	. Q	V	.	.	.
10.617	0.3985	0.63	. Q	V	.	.	.
10.633	0.3994	0.63	. Q	V	.	.	.
10.650	0.4002	0.63	. Q	V	.	.	.
10.667	0.4011	0.63	. Q	V	.	.	.
10.683	0.4020	0.63	. Q	V	.	.	.
10.700	0.4028	0.63	. Q	V	.	.	.
10.717	0.4037	0.63	. Q	V	.	.	.
10.733	0.4046	0.63	. Q	V	.	.	.
10.750	0.4054	0.63	. Q	V	.	.	.
10.767	0.4063	0.63	. Q	V	.	.	.
10.783	0.4072	0.63	. Q	V	.	.	.
10.800	0.4081	0.63	. Q	V	.	.	.
10.817	0.4089	0.63	. Q	V	.	.	.
10.833	0.4098	0.64	. Q	V	.	.	.
10.850	0.4107	0.64	. Q	V	.	.	.
10.867	0.4116	0.64	. Q	V	.	.	.
10.883	0.4124	0.64	. Q	V	.	.	.
10.900	0.4133	0.64	. Q	V	.	.	.
10.917	0.4142	0.64	. Q	V	.	.	.
10.933	0.4151	0.64	. Q	V	.	.	.
10.950	0.4160	0.64	. Q	V	.	.	.
10.967	0.4169	0.65	. Q	V	.	.	.
10.983	0.4178	0.65	. Q	V	.	.	.
11.000	0.4187	0.65	. Q	V	.	.	.
11.017	0.4196	0.65	. Q	V	.	.	.
11.033	0.4205	0.65	. Q	V	.	.	.
11.050	0.4214	0.65	. Q	V	.	.	.
11.067	0.4223	0.65	. Q	V	.	.	.
11.083	0.4232	0.65	. Q	V	.	.	.
11.100	0.4241	0.66	. Q	V	.	.	.
11.117	0.4250	0.66	. Q	V	.	.	.
11.133	0.4259	0.66	. Q	V	.	.	.
11.150	0.4268	0.66	. Q	V	.	.	.
11.167	0.4277	0.66	. Q	V	.	.	.
11.183	0.4286	0.66	. Q	V	.	.	.
11.200	0.4295	0.66	. Q	V	.	.	.
11.217	0.4304	0.66	. Q	.V	.	.	.
11.233	0.4313	0.66	. Q	.V	.	.	.
11.250	0.4322	0.66	. Q	.V	.	.	.
11.267	0.4331	0.66	. Q	.V	.	.	.
11.283	0.4341	0.66	. Q	.V	.	.	.
11.300	0.4350	0.67	. Q	.V	.	.	.
11.317	0.4359	0.67	. Q	.V	.	.	.
11.333	0.4368	0.67	. Q	.V	.	.	.
11.350	0.4377	0.67	. Q	.V	.	.	.
11.367	0.4387	0.67	. Q	.V	.	.	.
11.383	0.4396	0.67	. Q	.V	.	.	.
11.400	0.4405	0.68	. Q	.V	.	.	.
11.417	0.4415	0.68	. Q	.V	.	.	.
11.433	0.4424	0.68	. Q	.V	.	.	.
11.450	0.4433	0.68	. Q	.V	.	.	.
11.467	0.4443	0.68	. Q	.V	.	.	.
11.483	0.4452	0.68	. Q	.V	.	.	.
11.500	0.4461	0.68	. Q	.V	.	.	.
11.517	0.4471	0.69	. Q	.V	.	.	.
11.533	0.4480	0.69	. Q	.V	.	.	.
11.550	0.4490	0.69	. Q	.V	.	.	.
11.567	0.4499	0.69	. Q	.V	.	.	.
11.583	0.4509	0.69	. Q	.V	.	.	.
11.600	0.4518	0.69	. Q	.V	.	.	.
11.617	0.4528	0.69	. Q	.V	.	.	.
11.633	0.4537	0.69	. Q	.V	.	.	.
11.650	0.4547	0.69	. Q	.V	.	.	.
11.667	0.4556	0.69	. Q	.V	.	.	.
11.683	0.4566	0.69	. Q	.V	.	.	.
11.700	0.4575	0.69	. Q	.V	.	.	.
11.717	0.4585	0.70	. Q	.V	.	.	.
11.733	0.4595	0.70	. Q	.V	.	.	.
11.750	0.4604	0.70	. Q	.V	.	.	.
11.767	0.4614	0.70	. Q	.V	.	.	.
11.783	0.4624	0.70	. Q	.V	.	.	.
11.800	0.4633	0.70	. Q	.V	.	.	.
11.817	0.4643	0.71	. Q	.V	.	.	.
11.833	0.4653	0.71	. Q	.V	.	.	.
11.850	0.4663	0.71	. Q	.V	.	.	.
11.867	0.4672	0.71	. Q	.V	.	.	.
11.883	0.4682	0.71	. Q	.V	.	.	.
11.900	0.4692	0.72	. Q	.V	.	.	.
11.917	0.4702	0.72	. Q	. V	.	.	.
11.933	0.4712	0.72	. Q	. V	.	.	.
11.950	0.4722	0.72	. Q	. V	.	.	.
11.967	0.4732	0.72	. Q	. V	.	.	.
11.983	0.4742	0.72	. Q	. V	.	.	.
12.000	0.4752	0.72	. Q	. V	.	.	.
12.017	0.4762	0.72	. Q	. V	.	.	.
12.033	0.4772	0.72	. Q	. V	.	.	.
12.050	0.4782	0.73	. Q	. V	.	.	.
12.067	0.4792	0.73	. Q	. V	.	.	.
12.083	0.4802	0.73	. Q	. V	.	.	.

12.100	0.4812	0.73	. Q	. V	.	.	.
12.117	0.4822	0.73	. Q	. V	.	.	.
12.133	0.4832	0.73	. Q	. V	.	.	.
12.150	0.4842	0.73	. Q	. V	.	.	.
12.167	0.4852	0.73	. Q	. V	.	.	.
12.183	0.4862	0.73	. Q	. V	.	.	.
12.200	0.4872	0.73	. Q	. V	.	.	.
12.217	0.4882	0.73	. Q	. V	.	.	.
12.233	0.4892	0.73	. Q	. V	.	.	.
12.250	0.4902	0.73	. Q	. V	.	.	.
12.267	0.4912	0.73	. Q	. V	.	.	.
12.283	0.4922	0.73	. Q	. V	.	.	.
12.300	0.4932	0.73	. Q	. V	.	.	.
12.317	0.4942	0.73	. Q	. V	.	.	.
12.333	0.4952	0.73	. Q	. V	.	.	.
12.350	0.4963	0.73	. Q	. V	.	.	.
12.367	0.4973	0.73	. Q	. V	.	.	.
12.383	0.4983	0.73	. Q	. V	.	.	.
12.400	0.4993	0.73	. Q	. V	.	.	.
12.417	0.5003	0.73	. Q	. V	.	.	.
12.433	0.5013	0.74	. Q	. V	.	.	.
12.450	0.5023	0.74	. Q	. V	.	.	.
12.467	0.5033	0.74	. Q	. V	.	.	.
12.483	0.5043	0.74	. Q	. V	.	.	.
12.500	0.5054	0.74	. Q	. V	.	.	.
12.517	0.5064	0.74	. Q	. V	.	.	.
12.533	0.5074	0.74	. Q	. V	.	.	.
12.550	0.5084	0.74	. Q	. V	.	.	.
12.567	0.5095	0.74	. Q	. V	.	.	.
12.583	0.5105	0.75	. Q	. V	.	.	.
12.600	0.5115	0.75	. Q	. V	.	.	.
12.617	0.5126	0.75	. Q	. V	.	.	.
12.633	0.5136	0.75	. Q	. V	.	.	.
12.650	0.5146	0.76	. Q	. V	.	.	.
12.667	0.5157	0.76	. Q	. V	.	.	.
12.683	0.5167	0.76	. Q	. V	.	.	.
12.700	0.5178	0.76	. Q	. V	.	.	.
12.717	0.5188	0.77	. Q	. V	.	.	.
12.733	0.5199	0.77	. Q	. V	.	.	.
12.750	0.5210	0.77	. Q	. V	.	.	.
12.767	0.5220	0.77	. Q	. V	.	.	.
12.783	0.5231	0.78	. Q	. V	.	.	.
12.800	0.5242	0.78	. Q	. V	.	.	.
12.817	0.5253	0.78	. Q	. V	.	.	.
12.833	0.5263	0.78	. Q	. V	.	.	.
12.850	0.5274	0.78	. Q	. V	.	.	.
12.867	0.5285	0.78	. Q	. V	.	.	.
12.883	0.5296	0.79	. Q	. V	.	.	.
12.900	0.5307	0.79	. Q	. V	.	.	.
12.917	0.5317	0.79	. Q	. V	.	.	.
12.933	0.5328	0.79	. Q	. V	.	.	.
12.950	0.5339	0.79	. Q	. V	.	.	.
12.967	0.5350	0.79	. Q	. V	.	.	.
12.983	0.5361	0.79	. Q	. V	.	.	.
13.000	0.5372	0.80	. Q	. V	.	.	.
13.017	0.5383	0.80	. Q	. V	.	.	.
13.033	0.5394	0.80	. Q	. V	.	.	.
13.050	0.5405	0.80	. Q	. V	.	.	.
13.067	0.5416	0.81	. Q	. V	.	.	.
13.083	0.5427	0.81	. Q	. V	.	.	.
13.100	0.5439	0.81	. Q	. V	.	.	.
13.117	0.5450	0.82	. Q	. V	.	.	.
13.133	0.5461	0.82	. Q	. V	.	.	.
13.150	0.5472	0.82	. Q	. V	.	.	.
13.167	0.5484	0.83	. Q	. V	.	.	.
13.183	0.5495	0.83	. Q	. V	.	.	.
13.200	0.5507	0.83	. Q	. V	.	.	.
13.217	0.5518	0.84	. Q	. V	.	.	.
13.233	0.5530	0.84	. Q	. V	.	.	.
13.250	0.5541	0.84	. Q	. V	.	.	.
13.267	0.5553	0.84	. Q	. V	.	.	.
13.283	0.5565	0.84	. Q	. V	.	.	.
13.300	0.5576	0.84	. Q	. V	.	.	.
13.317	0.5588	0.85	. Q	. V	.	.	.
13.333	0.5599	0.85	. Q	. V	.	.	.
13.350	0.5611	0.85	. Q	. V	.	.	.
13.367	0.5623	0.85	. Q	. V	.	.	.
13.383	0.5635	0.85	. Q	. V	.	.	.
13.400	0.5646	0.85	. Q	. V	.	.	.
13.417	0.5658	0.86	. Q	. V	.	.	.
13.433	0.5670	0.86	. Q	. V	.	.	.
13.450	0.5682	0.86	. Q	. V	.	.	.
13.467	0.5694	0.87	. Q	. V	.	.	.
13.483	0.5706	0.87	. Q	. V	.	.	.
13.500	0.5718	0.87	. Q	. V	.	.	.
13.517	0.5730	0.88	. Q	. V	.	.	.
13.533	0.5742	0.88	. Q	. V	.	.	.
13.550	0.5754	0.89	. Q	. V	.	.	.
13.567	0.5767	0.89	. Q	. V	.	.	.
13.583	0.5779	0.89	. Q	. V	.	.	.
13.600	0.5791	0.90	. Q	. V	.	.	.
13.617	0.5804	0.90	. Q	. V	.	.	.
13.633	0.5816	0.91	. Q	. V	.	.	.
13.650	0.5829	0.91	. Q	. V	.	.	.
13.667	0.5841	0.91	. Q	. V	.	.	.
13.683	0.5854	0.91	. Q	. V	.	.	.
13.700	0.5866	0.91	. Q	. V	.	.	.
13.717	0.5879	0.92	. Q	. V	.	.	.
13.733	0.5892	0.92	. Q	. V	.	.	.
13.750	0.5904	0.92	. Q	. V	.	.	.

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13.767     0.5917     0.92  .  Q     .   V   .       .       .
13.783     0.5930     0.93  .  Q     .   V   .       .       .
13.800     0.5943     0.93  .  Q     .   V   .       .       .
13.817     0.5955     0.93  .  Q     .   V   .       .       .
13.833     0.5968     0.93  .  Q     .   V   .       .       .
13.850     0.5981     0.93  .  Q     .   V   .       .       .
13.867     0.5994     0.94  .  Q     .   V   .       .       .
13.883     0.6007     0.94  .  Q     .   V   .       .       .
13.900     0.6020     0.95  .  Q     .   V   .       .       .
13.917     0.6033     0.95  .  Q     .   V   .       .       .
13.933     0.6046     0.96  .  Q     .   V   .       .       .
13.950     0.6060     0.96  .  Q     .   V   .       .       .
13.967     0.6073     0.97  .  Q     .   V   .       .       .
13.983     0.6086     0.97  .  Q     .   V   .       .       .
14.000     0.6100     0.98  .  Q     .   V   .       .       .
14.017     0.6114     0.98  .  Q     .   V   .       .       .
14.033     0.6127     0.99  .  Q     .   V   .       .       .
14.050     0.6141     0.99  .  Q     .   V   .       .       .
14.067     0.6155     1.00  .  Q     .   V   .       .       .
14.083     0.6168     1.00  .  Q     .   V   .       .       .
14.100     0.6182     1.00  .  Q     .   V   .       .       .
14.117     0.6196     1.00  .  Q     .   V   .       .       .
14.133     0.6210     0.99  .  Q     .   V   .       .       .
14.150     0.6223     0.99  .  Q     .   V   .       .       .
14.167     0.6237     0.99  .  Q     .   V   .       .       .
14.183     0.6250     0.99  .  Q     .   V   .       .       .
14.200     0.6264     0.99  .  Q     .    V  .       .       .
14.217     0.6278     0.98  .  Q     .    V  .       .       .
14.233     0.6291     0.98  .  Q     .    V  .       .       .
14.250     0.6305     0.98  .  Q     .    V  .       .       .
14.267     0.6318     0.98  .  Q     .    V  .       .       .
14.283     0.6331     0.97  .  Q     .    V  .       .       .
14.300     0.6345     0.98  .  Q     .    V  .       .       .
14.317     0.6358     0.99  .  Q     .    V  .       .       .
14.333     0.6372     0.99  .  Q     .    V  .       .       .
14.350     0.6386     1.00  .  Q     .    V  .       .       .
14.367     0.6400     1.01  .  Q     .    V  .       .       .
14.383     0.6414     1.01  .  Q     .    V  .       .       .
14.400     0.6428     1.02  .  Q     .    V  .       .       .
14.417     0.6442     1.03  .  Q     .    V  .       .       .
14.433     0.6456     1.03  .  Q     .    V  .       .       .
14.450     0.6470     1.04  .  Q     .    V  .       .       .
14.467     0.6485     1.05  .  Q     .    V  .       .       .
14.483     0.6499     1.05  .  Q     .    V  .       .       .
14.500     0.6514     1.06  .  Q     .    V  .       .       .
14.517     0.6529     1.06  .  Q     .    V  .       .       .
14.533     0.6543     1.07  .  Q     .    V  .       .       .
14.550     0.6558     1.07  .  Q     .    V  .       .       .
14.567     0.6573     1.08  .  Q     .    V  .       .       .
14.583     0.6588     1.08  .  Q     .    V  .       .       .
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14.600     0.6603     1.09  .  Q     .    V  .       .       .
14.617     0.6618     1.09  .  Q     .    V  .       .       .
14.633     0.6633     1.09  .  Q     .    V  .       .       .
14.650     0.6648     1.10  .  Q     .     V .       .       .
14.667     0.6663     1.10  .  Q     .     V .       .       .
14.683     0.6678     1.11  .  Q     .     V .       .       .
14.700     0.6694     1.11  .  Q     .     V .       .       .
14.717     0.6709     1.12  .  Q     .     V .       .       .
14.733     0.6725     1.13  .  Q     .     V .       .       .
14.750     0.6740     1.14  .   Q    .     V .       .       .
14.767     0.6756     1.15  .   Q    .     V .       .       .
14.783     0.6772     1.16  .   Q    .     V .       .       .
14.800     0.6788     1.17  .   Q    .     V .       .       .
14.817     0.6805     1.18  .   Q    .     V .       .       .
14.833     0.6821     1.19  .   Q    .     V .       .       .
14.850     0.6837     1.20  .   Q    .     V .       .       .
14.867     0.6854     1.21  .   Q    .     V .       .       .
14.883     0.6871     1.22  .   Q    .     V .       .       .
14.900     0.6888     1.23  .   Q    .     V .       .       .
14.917     0.6905     1.25  .   Q    .     V .       .       .
14.933     0.6923     1.26  .   Q    .     V .       .       .
14.950     0.6940     1.26  .   Q    .     V .       .       .
14.967     0.6957     1.27  .   Q    .     V .       .       .
14.983     0.6975     1.28  .   Q    .     V .       .       .
15.000     0.6993     1.28  .   Q    .     V .       .       .
15.017     0.7010     1.29  .   Q    .     V .       .       .
15.033     0.7028     1.30  .   Q    .     V .       .       .
15.050     0.7046     1.31  .   Q    .      V.       .       .
15.067     0.7064     1.31  .   Q    .      V.       .       .
15.083     0.7083     1.32  .   Q    .      V.       .       .
15.100     0.7101     1.33  .   Q    .      V.       .       .
15.117     0.7119     1.33  .   Q    .      V.       .       .
15.133     0.7138     1.34  .   Q    .      V.       .       .
15.150     0.7156     1.35  .   Q    .      V.       .       .
15.167     0.7175     1.37  .   Q    .      V.       .       .
15.183     0.7194     1.39  .   Q    .      V.       .       .
15.200     0.7214     1.41  .   Q    .      V.       .       .
15.217     0.7233     1.43  .    Q   .      V.       .       .
15.233     0.7253     1.45  .    Q   .      V.       .       .
15.250     0.7274     1.47  .    Q   .      V.       .       .
15.267     0.7294     1.49  .    Q   .      V.       .       .
15.283     0.7315     1.51  .    Q   .      V.       .       .
15.300     0.7336     1.53  .    Q   .      V.       .       .
15.317     0.7357     1.55  .    Q   .      V.       .       .
15.333     0.7379     1.57  .    Q   .      V.       .       .
15.350     0.7401     1.59  .    Q   .      V.       .       .
15.367     0.7423     1.61  .    Q   .      V.       .       .
15.383     0.7446     1.67  .    Q   .       V.      .       .
15.400     0.7469     1.72  .     Q  .       V.      .       .
15.417     0.7494     1.77  .     Q  .       V.      .       .
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15.433    0.7519    1.82  .    Q   .       V.        .        .
15.450    0.7545    1.87  .    Q   .       V.        .        .
15.467    0.7571    1.92  .    Q   .       V.        .        .
15.483    0.7598    1.98  .    Q   .       V.        .        .
15.500    0.7626    2.03  .     Q  .       V.        .        .
15.517    0.7655    2.08  .     Q  .       V.        .        .
15.533    0.7684    2.13  .     Q  .       V.        .        .
15.550    0.7714    2.18  .     Q  .       V.        .        .
15.567    0.7745    2.23  .     Q  .       V.        .        .
15.583    0.7777    2.30  .      Q .       V.        .        .
15.600    0.7810    2.38  .      Q .       V.        .        .
15.617    0.7844    2.47  .      Q .        V        .        .
15.633    0.7879    2.55  .       Q.        V        .        .
15.650    0.7915    2.64  .       Q.        V        .        .
15.667    0.7953    2.72  .       Q.        V        .        .
15.683    0.7991    2.81  .       Q.        V        .        .
15.700    0.8031    2.89  .        Q        V        .        .
15.717    0.8072    2.98  .        Q        V        .        .
15.733    0.8114    3.06  .        Q        V        .        .
15.750    0.8158    3.15  .        .Q       V        .        .
15.767    0.8202    3.24  .        .Q       V        .        .
15.783    0.8248    3.32  .        .Q       .V       .        .
15.800    0.8295    3.40  .        .Q       .V       .        .
15.817    0.8343    3.47  .        . Q      .V       .        .
15.833    0.8391    3.53  .        . Q      .V       .        .
15.850    0.8441    3.60  .        . Q      .V       .        .
15.867    0.8491    3.67  .        . Q      .V       .        .
15.883    0.8543    3.73  .        .  Q     .V       .        .
15.900    0.8595    3.80  .        .  Q     .V       .        .
15.917    0.8648    3.87  .        .  Q     . V      .        .
15.933    0.8703    3.93  .        .  Q     . V      .        .
15.950    0.8758    4.00  .        .   Q    . V      .        .
15.967    0.8814    4.07  .        .   Q    . V      .        .
15.983    0.8871    4.14  .        .   Q    . V      .        .
16.000    0.8929    4.20  .        .   Q    . V      .        .
16.017    0.8991    4.51  .        .    Q   . V      .        .
16.033    0.9060    5.06  .        .     Q  .  V     .        .
16.050    0.9138    5.61  .        .       Q.  V     .        .
16.067    0.9223    6.16  .        .        .Q V     .        .
16.083    0.9315    6.71  .        .         .  Q     .        .
16.100    0.9415    7.26  .        .         .   VQ   .        .
16.117    0.9523    7.81  .        .         .   V  Q .        .
16.133    0.9638    8.36  .        .         .   V   Q.        .
16.150    0.9761    8.91  .        .         .   V    .Q       .
16.167    0.9891    9.46  .        .         .    V   .  Q     .
16.183    1.0029   10.01  .        .         .    V   .    Q   .
16.200    1.0174   10.56  .        .         .     V  .     Q  .
16.217    1.0330   11.34  .        .         .     V  .       Q
16.233    1.0481   10.95  .        .         .     V  .      Q .
16.250    1.0623   10.30  .        .         .      V .    Q   .
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16.267    1.0756    9.65  .        .         .     V  .   Q     .
16.283    1.0880    8.99  .        .         .     V  .Q        .
16.300    1.0995    8.34  .        .         .      VQ.         .
16.317    1.1101    7.69  .        .         .     QV .         .
16.333    1.1198    7.03  .        .         .   Q  V .         .
16.350    1.1285    6.38  .        .         . Q    V .         .
16.367    1.1364    5.73  .        .         Q      V.          .
16.383    1.1434    5.08  .        .      Q  .      V.          .
16.400    1.1495    4.42  .        .    Q    .      V.          .
16.417    1.1547    3.77  .        .  Q      .      V.          .
16.433    1.1590    3.12  .        .Q        .      V.          .
16.450    1.1629    2.83  .       Q.         .      V.          .
16.467    1.1667    2.72  .       Q.         .      V.          .
16.483    1.1702    2.61  .       Q.         .      V.          .
16.500    1.1737    2.49  .      Q .         .       V          .
16.517    1.1770    2.38  .      Q .         .       V          .
16.533    1.1801    2.27  .      Q .         .       V          .
16.550    1.1831    2.16  .     Q  .         .       V          .
16.567    1.1859    2.05  .     Q  .         .       V          .
16.583    1.1885    1.93  .    Q   .         .       V          .
16.600    1.1910    1.82  .    Q   .         .       V          .
16.617    1.1934    1.71  .    Q   .         .       V          .
16.633    1.1956    1.60  .   Q    .         .       V          .
16.650    1.1977    1.49  .   Q    .         .       V          .
16.667    1.1996    1.44  .   Q    .         .       V          .
16.683    1.2016    1.42  .   Q    .         .       V          .
16.700    1.2035    1.40  .  Q     .         .       V          .
16.717    1.2054    1.38  .  Q     .         .       V          .
16.733    1.2073    1.36  .  Q     .         .       V          .
16.750    1.2091    1.33  .  Q     .         .       V          .
16.767    1.2109    1.31  .  Q     .         .       V          .
16.783    1.2127    1.29  .  Q     .         .       .V         .
16.800    1.2145    1.27  .  Q     .         .       .V         .
16.817    1.2162    1.25  .  Q     .         .       .V         .
16.833    1.2179    1.23  .  Q     .         .       .V         .
16.850    1.2195    1.20  .  Q     .         .       .V         .
16.867    1.2212    1.18  .  Q     .         .       .V         .
16.883    1.2228    1.17  .  Q     .         .       .V         .
16.900    1.2244    1.16  .  Q     .         .       .V         .
16.917    1.2259    1.14  .  Q     .         .       .V         .
16.933    1.2275    1.13  . Q      .         .       .V         .
16.950    1.2290    1.12  . Q      .         .       .V         .
16.967    1.2306    1.10  . Q      .         .       .V         .
16.983    1.2321    1.09  . Q      .         .       .V         .
17.000    1.2335    1.08  . Q      .         .       .V         .
17.017    1.2350    1.07  . Q      .         .       .V         .
17.033    1.2365    1.05  . Q      .         .       .V         .
17.050    1.2379    1.04  . Q      .         .       .V         .
17.067    1.2393    1.03  . Q      .         .       .V         .
17.083    1.2407    1.01  . Q      .         .       .V         .
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17.100    1.2421    1.01  .  Q     .       .       .V      .
17.117    1.2435    1.01  .  Q     .       .       .V      .
17.133    1.2449    1.00  .  Q     .       .       .V      .
17.150    1.2462    1.00  .  Q     .       .       .V      .
17.167    1.2476    1.00  .  Q     .       .       .V      .
17.183    1.2490    0.99  .  Q     .       .       .V      .
17.200    1.2503    0.99  .  Q     .       .       .V      .
17.217    1.2517    0.98  .  Q     .       .       . V     .
17.233    1.2530    0.98  .  Q     .       .       . V     .
17.250    1.2544    0.98  .  Q     .       .       . V     .
17.267    1.2557    0.97  .  Q     .       .       . V     .
17.283    1.2571    0.97  .  Q     .       .       . V     .
17.300    1.2584    0.97  .  Q     .       .       . V     .
17.317    1.2597    0.96  .  Q     .       .       . V     .
17.333    1.2610    0.95  .  Q     .       .       . V     .
17.350    1.2623    0.95  .  Q     .       .       . V     .
17.367    1.2636    0.94  .  Q     .       .       . V     .
17.383    1.2649    0.93  .  Q     .       .       . V     .
17.400    1.2662    0.93  .  Q     .       .       . V     .
17.417    1.2674    0.92  .  Q     .       .       . V     .
17.433    1.2687    0.91  .  Q     .       .       . V     .
17.450    1.2700    0.91  .  Q     .       .       . V     .
17.467    1.2712    0.90  .  Q     .       .       . V     .
17.483    1.2724    0.89  .  Q     .       .       . V     .
17.500    1.2736    0.89  .  Q     .       .       . V     .
17.517    1.2749    0.88  .  Q     .       .       . V     .
17.533    1.2761    0.88  .  Q     .       .       . V     .
17.550    1.2773    0.87  .  Q     .       .       . V     .
17.567    1.2785    0.86  .  Q     .       .       . V     .
17.583    1.2796    0.86  .  Q     .       .       . V     .
17.600    1.2808    0.85  .  Q     .       .       . V     .
17.617    1.2820    0.85  . Q      .       .       . V     .
17.633    1.2831    0.84  . Q      .       .       . V     .
17.650    1.2843    0.84  . Q      .       .       . V     .
17.667    1.2855    0.83  . Q      .       .       . V     .
17.683    1.2866    0.83  . Q      .       .       . V     .
17.700    1.2877    0.82  . Q      .       .       . V     .
17.717    1.2889    0.82  . Q      .       .       . V     .
17.733    1.2900    0.81  . Q      .       .       . V     .
17.750    1.2911    0.81  . Q      .       .       .  V    .
17.767    1.2922    0.80  . Q      .       .       .  V    .
17.783    1.2933    0.80  . Q      .       .       .  V    .
17.800    1.2944    0.80  . Q      .       .       .  V    .
17.817    1.2955    0.79  . Q      .       .       .  V    .
17.833    1.2966    0.79  . Q      .       .       .  V    .
17.850    1.2977    0.78  . Q      .       .       .  V    .
17.867    1.2987    0.78  . Q      .       .       .  V    .
17.883    1.2998    0.78  . Q      .       .       .  V    .
17.900    1.3009    0.77  . Q      .       .       .  V    .
17.917    1.3019    0.77  . Q      .       .       .  V    .
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17.933    1.3030    0.76  . Q      .       .       .  V    .
17.950    1.3040    0.76  . Q      .       .       .  V    .
17.967    1.3051    0.76  . Q      .       .       .  V    .
17.983    1.3061    0.75  . Q      .       .       .  V    .
18.000    1.3071    0.75  . Q      .       .       .  V    .
18.017    1.3082    0.75  . Q      .       .       .  V    .
18.033    1.3092    0.74  . Q      .       .       .  V    .
18.050    1.3102    0.74  . Q      .       .       .  V    .
18.067    1.3112    0.74  . Q      .       .       .  V    .
18.083    1.3122    0.73  . Q      .       .       .  V    .
18.100    1.3132    0.73  . Q      .       .       .  V    .
18.117    1.3142    0.73  . Q      .       .       .  V    .
18.133    1.3152    0.72  . Q      .       .       .  V    .
18.150    1.3162    0.72  . Q      .       .       .  V    .
18.167    1.3172    0.72  . Q      .       .       .  V    .
18.183    1.3182    0.72  . Q      .       .       .  V    .
18.200    1.3192    0.72  . Q      .       .       .  V    .
18.217    1.3202    0.72  . Q      .       .       .  V    .
18.233    1.3211    0.71  . Q      .       .       .  V    .
18.250    1.3221    0.71  . Q      .       .       .  V    .
18.267    1.3231    0.71  . Q      .       .       .  V    .
18.283    1.3241    0.71  . Q      .       .       .  V    .
18.300    1.3251    0.71  . Q      .       .       .  V    .
18.317    1.3260    0.71  . Q      .       .       .  V    .
18.333    1.3270    0.71  . Q      .       .       .  V    .
18.350    1.3280    0.71  . Q      .       .       .  V    .
18.367    1.3290    0.71  . Q      .       .       .  V    .
18.383    1.3299    0.70  . Q      .       .       .   V   .
18.400    1.3309    0.70  . Q      .       .       .   V   .
18.417    1.3319    0.70  . Q      .       .       .   V   .
18.433    1.3328    0.70  . Q      .       .       .   V   .
18.450    1.3338    0.69  . Q      .       .       .   V   .
18.467    1.3347    0.69  . Q      .       .       .   V   .
18.483    1.3357    0.69  . Q      .       .       .   V   .
18.500    1.3366    0.69  . Q      .       .       .   V   .
18.517    1.3376    0.68  . Q      .       .       .   V   .
18.533    1.3385    0.68  . Q      .       .       .   V   .
18.550    1.3395    0.68  . Q      .       .       .   V   .
18.567    1.3404    0.68  . Q      .       .       .   V   .
18.583    1.3413    0.67  . Q      .       .       .   V   .
18.600    1.3422    0.67  . Q      .       .       .   V   .
18.617    1.3432    0.67  . Q      .       .       .   V   .
18.633    1.3441    0.67  . Q      .       .       .   V   .
18.650    1.3450    0.67  . Q      .       .       .   V   .
18.667    1.3459    0.66  . Q      .       .       .   V   .
18.683    1.3468    0.66  . Q      .       .       .   V   .
18.700    1.3477    0.66  . Q      .       .       .   V   .
18.717    1.3486    0.66  . Q      .       .       .   V   .
18.733    1.3495    0.65  . Q      .       .       .   V   .
18.750    1.3504    0.65  . Q      .       .       .   V   .
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18.767    1.3513    0.65  . Q     .       .       .   V   .
18.783    1.3522    0.65  . Q     .       .       .   V   .
18.800    1.3531    0.65  . Q     .       .       .   V   .
18.817    1.3540    0.64  . Q     .       .       .   V   .
18.833    1.3549    0.64  . Q     .       .       .   V   .
18.850    1.3558    0.64  . Q     .       .       .   V   .
18.867    1.3566    0.64  . Q     .       .       .   V   .
18.883    1.3575    0.64  . Q     .       .       .   V   .
18.900    1.3584    0.63  . Q     .       .       .   V   .
18.917    1.3593    0.63  . Q     .       .       .   V   .
18.933    1.3601    0.63  . Q     .       .       .   V   .
18.950    1.3610    0.63  . Q     .       .       .   V   .
18.967    1.3619    0.63  . Q     .       .       .   V   .
18.983    1.3627    0.62  . Q     .       .       .   V   .
19.000    1.3636    0.62  . Q     .       .       .   V   .
19.017    1.3644    0.62  . Q     .       .       .   V   .
19.033    1.3653    0.62  . Q     .       .       .   V   .
19.050    1.3661    0.62  . Q     .       .       .   V   .
19.067    1.3670    0.61  . Q     .       .       .   V   .
19.083    1.3678    0.61  . Q     .       .       .   V   .
19.100    1.3687    0.61  . Q     .       .       .    V  .
19.117    1.3695    0.61  . Q     .       .       .    V  .
19.133    1.3703    0.61  . Q     .       .       .    V  .
19.150    1.3712    0.61  . Q     .       .       .    V  .
19.167    1.3720    0.60  . Q     .       .       .    V  .
19.183    1.3728    0.60  . Q     .       .       .    V  .
19.200    1.3737    0.60  . Q     .       .       .    V  .
19.217    1.3745    0.60  . Q     .       .       .    V  .
19.233    1.3753    0.60  . Q     .       .       .    V  .
19.250    1.3761    0.60  . Q     .       .       .    V  .
19.267    1.3769    0.59  . Q     .       .       .    V  .
19.283    1.3778    0.59  . Q     .       .       .    V  .
19.300    1.3786    0.59  . Q     .       .       .    V  .
19.317    1.3794    0.59  . Q     .       .       .    V  .
19.333    1.3802    0.59  . Q     .       .       .    V  .
19.350    1.3810    0.59  . Q     .       .       .    V  .
19.367    1.3818    0.58  . Q     .       .       .    V  .
19.383    1.3826    0.58  . Q     .       .       .    V  .
19.400    1.3834    0.58  . Q     .       .       .    V  .
19.417    1.3842    0.58  . Q     .       .       .    V  .
19.433    1.3850    0.58  . Q     .       .       .    V  .
19.450    1.3858    0.58  . Q     .       .       .    V  .
19.467    1.3866    0.58  . Q     .       .       .    V  .
19.483    1.3874    0.57  . Q     .       .       .    V  .
19.500    1.3882    0.57  . Q     .       .       .    V  .
19.517    1.3890    0.57  . Q     .       .       .    V  .
19.533    1.3897    0.57  . Q     .       .       .    V  .
19.550    1.3905    0.57  . Q     .       .       .    V  .
19.567    1.3913    0.57  .Q      .       .       .    V  .
19.583    1.3921    0.57  .Q      .       .       .    V  .
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19.600    1.3929    0.56  .Q      .       .       .    V  .
19.617    1.3936    0.56  .Q      .       .       .    V  .
19.633    1.3944    0.56  .Q      .       .       .    V  .
19.650    1.3952    0.56  .Q      .       .       .    V  .
19.667    1.3959    0.56  .Q      .       .       .    V  .
19.683    1.3967    0.56  .Q      .       .       .    V  .
19.700    1.3975    0.56  .Q      .       .       .    V  .
19.717    1.3982    0.55  .Q      .       .       .    V  .
19.733    1.3990    0.55  .Q      .       .       .    V  .
19.750    1.3998    0.55  .Q      .       .       .    V  .
19.767    1.4005    0.55  .Q      .       .       .    V  .
19.783    1.4013    0.55  .Q      .       .       .    V  .
19.800    1.4020    0.55  .Q      .       .       .    V  .
19.817    1.4028    0.55  .Q      .       .       .    V  .
19.833    1.4035    0.55  .Q      .       .       .    V  .
19.850    1.4043    0.54  .Q      .       .       .    V  .
19.867    1.4050    0.54  .Q      .       .       .    V  .
19.883    1.4058    0.54  .Q      .       .       .    V  .
19.900    1.4065    0.54  .Q      .       .       .    V  .
19.917    1.4073    0.54  .Q      .       .       .    V  .
19.933    1.4080    0.54  .Q      .       .       .     V .
19.950    1.4087    0.54  .Q      .       .       .     V .
19.967    1.4095    0.54  .Q      .       .       .     V .
19.983    1.4102    0.53  .Q      .       .       .     V .
20.000    1.4110    0.53  .Q      .       .       .     V .
20.017    1.4117    0.53  .Q      .       .       .     V .
20.033    1.4124    0.53  .Q      .       .       .     V .
20.050    1.4131    0.53  .Q      .       .       .     V .
20.067    1.4139    0.53  .Q      .       .       .     V .
20.083    1.4146    0.53  .Q      .       .       .     V .
20.100    1.4153    0.53  .Q      .       .       .     V .
20.117    1.4160    0.52  .Q      .       .       .     V .
20.133    1.4168    0.52  .Q      .       .       .     V .
20.150    1.4175    0.52  .Q      .       .       .     V .
20.167    1.4182    0.52  .Q      .       .       .     V .
20.183    1.4189    0.52  .Q      .       .       .     V .
20.200    1.4196    0.52  .Q      .       .       .     V .
20.217    1.4204    0.52  .Q      .       .       .     V .
20.233    1.4211    0.52  .Q      .       .       .     V .
20.250    1.4218    0.52  .Q      .       .       .     V .
20.267    1.4225    0.52  .Q      .       .       .     V .
20.283    1.4232    0.51  .Q      .       .       .     V .
20.300    1.4239    0.51  .Q      .       .       .     V .
20.317    1.4246    0.51  .Q      .       .       .     V .
20.333    1.4253    0.51  .Q      .       .       .     V .
20.350    1.4260    0.51  .Q      .       .       .     V .
20.367    1.4267    0.51  .Q      .       .       .     V .
20.383    1.4274    0.51  .Q      .       .       .     V .
20.400    1.4281    0.51  .Q      .       .       .     V .
20.417    1.4288    0.51  .Q      .       .       .     V .
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20.433	1.4295	0.50	.Q	.	.	.	V	.
20.450	1.4302	0.50	.Q	.	.	.	V	.
20.467	1.4309	0.50	.Q	.	.	.	V	.
20.483	1.4316	0.50	.Q	.	.	.	V	.
20.500	1.4323	0.50	.Q	.	.	.	V	.
20.517	1.4330	0.50	.Q	.	.	.	V	.
20.533	1.4336	0.50	.Q	.	.	.	V	.
20.550	1.4343	0.50	.Q	.	.	.	V	.
20.567	1.4350	0.50	.Q	.	.	.	V	.
20.583	1.4357	0.50	.Q	.	.	.	V	.
20.600	1.4364	0.50	.Q	.	.	.	V	.
20.617	1.4371	0.49	.Q	.	.	.	V	.
20.633	1.4377	0.49	.Q	.	.	.	V	.
20.650	1.4384	0.49	.Q	.	.	.	V	.
20.667	1.4391	0.49	.Q	.	.	.	V	.
20.683	1.4398	0.49	.Q	.	.	.	V	.
20.700	1.4404	0.49	.Q	.	.	.	V	.
20.717	1.4411	0.49	.Q	.	.	.	V	.
20.733	1.4418	0.49	.Q	.	.	.	V	.
20.750	1.4425	0.49	.Q	.	.	.	V	.
20.767	1.4431	0.49	.Q	.	.	.	V	.
20.783	1.4438	0.48	.Q	.	.	.	V	.
20.800	1.4445	0.48	.Q	.	.	.	V	.
20.817	1.4451	0.48	.Q	.	.	.	V	.
20.833	1.4458	0.48	.Q	.	.	.	V	.
20.850	1.4465	0.48	.Q	.	.	.	V	.
20.867	1.4471	0.48	.Q	.	.	.	V	.
20.883	1.4478	0.48	.Q	.	.	.	V	.
20.900	1.4484	0.48	.Q	.	.	.	V	.
20.917	1.4491	0.48	.Q	.	.	.	V	.
20.933	1.4498	0.48	.Q	.	.	.	V	.
20.950	1.4504	0.48	.Q	.	.	.	V	.
20.967	1.4511	0.48	.Q	.	.	.	V	.
20.983	1.4517	0.47	.Q	.	.	.	V	.
21.000	1.4524	0.47	.Q	.	.	.	V	.
21.017	1.4530	0.47	.Q	.	.	.	V	.
21.033	1.4537	0.47	.Q	.	.	.	V	.
21.050	1.4543	0.47	.Q	.	.	.	V	.
21.067	1.4550	0.47	.Q	.	.	.	V	.
21.083	1.4556	0.47	.Q	.	.	.	V	.
21.100	1.4563	0.47	.Q	.	.	.	V	.
21.117	1.4569	0.47	.Q	.	.	.	V	.
21.133	1.4576	0.47	.Q	.	.	.	V	.
21.150	1.4582	0.47	.Q	.	.	.	V	.
21.167	1.4588	0.47	.Q	.	.	.	V	.
21.183	1.4595	0.46	.Q	.	.	.	V	.
21.200	1.4601	0.46	.Q	.	.	.	V	.
21.217	1.4608	0.46	.Q	.	.	.	V	.
21.233	1.4614	0.46	.Q	.	.	.	V	.
21.250	1.4620	0.46	.Q	.	.	.	V	.
21.267	1.4627	0.46	.Q	.	.	.	V	.
21.283	1.4633	0.46	.Q	.	.	.	V	.
21.300	1.4639	0.46	.Q	.	.	.	V	.
21.317	1.4646	0.46	.Q	.	.	.	V	.
21.333	1.4652	0.46	.Q	.	.	.	V	.
21.350	1.4658	0.46	.Q	.	.	.	V	.
21.367	1.4664	0.46	.Q	.	.	.	V	.
21.383	1.4671	0.46	.Q	.	.	.	V	.
21.400	1.4677	0.45	.Q	.	.	.	V	.
21.417	1.4683	0.45	.Q	.	.	.	V	.
21.433	1.4690	0.45	.Q	.	.	.	V	.
21.450	1.4696	0.45	.Q	.	.	.	V	.
21.467	1.4702	0.45	.Q	.	.	.	V	.
21.483	1.4708	0.45	.Q	.	.	.	V	.
21.500	1.4714	0.45	.Q	.	.	.	V	.
21.517	1.4721	0.45	.Q	.	.	.	V	.
21.533	1.4727	0.45	.Q	.	.	.	V	.
21.550	1.4733	0.45	.Q	.	.	.	V	.
21.567	1.4739	0.45	.Q	.	.	.	V	.
21.583	1.4745	0.45	.Q	.	.	.	V	.
21.600	1.4751	0.45	.Q	.	.	.	V	.
21.617	1.4758	0.45	.Q	.	.	.	V	.
21.633	1.4764	0.44	.Q	.	.	.	V	.
21.650	1.4770	0.44	.Q	.	.	.	V	.
21.667	1.4776	0.44	.Q	.	.	.	V	.
21.683	1.4782	0.44	.Q	.	.	.	V	.
21.700	1.4788	0.44	.Q	.	.	.	V	.
21.717	1.4794	0.44	.Q	.	.	.	V	.
21.733	1.4800	0.44	.Q	.	.	.	V	.
21.750	1.4806	0.44	.Q	.	.	.	V	.
21.767	1.4812	0.44	.Q	.	.	.	V	.
21.783	1.4818	0.44	.Q	.	.	.	V	.
21.800	1.4825	0.44	.Q	.	.	.	V	.
21.817	1.4831	0.44	.Q	.	.	.	V	.
21.833	1.4837	0.44	.Q	.	.	.	V	.
21.850	1.4843	0.44	.Q	.	.	.	V	.
21.867	1.4849	0.44	.Q	.	.	.	V	.
21.883	1.4855	0.44	.Q	.	.	.	V	.
21.900	1.4861	0.43	.Q	.	.	.	V	.
21.917	1.4867	0.43	.Q	.	.	.	V	.
21.933	1.4872	0.43	.Q	.	.	.	V	.
21.950	1.4878	0.43	.Q	.	.	.	V	.
21.967	1.4884	0.43	.Q	.	.	.	V	.
21.983	1.4890	0.43	.Q	.	.	.	V	.
22.000	1.4896	0.43	.Q	.	.	.	V	.
22.017	1.4902	0.43	.Q	.	.	.	V	.
22.033	1.4908	0.43	.Q	.	.	.	V	.
22.050	1.4914	0.43	.Q	.	.	.	V	.
22.067	1.4920	0.43	.Q	.	.	.	V	.
22.083	1.4926	0.43	.Q	.	.	.	V	.

22.100	1.4932	0.43	.Q	.	.	.	V	.
22.117	1.4938	0.43	.Q	.	.	.	V	.
22.133	1.4943	0.43	.Q	.	.	.	V	.
22.150	1.4949	0.43	.Q	.	.	.	V	.
22.167	1.4955	0.42	.Q	.	.	.	V	.
22.183	1.4961	0.42	.Q	.	.	.	V	.
22.200	1.4967	0.42	.Q	.	.	.	V	.
22.217	1.4973	0.42	.Q	.	.	.	V	.
22.233	1.4978	0.42	.Q	.	.	.	V	.
22.250	1.4984	0.42	.Q	.	.	.	V	.
22.267	1.4990	0.42	.Q	.	.	.	V	.
22.283	1.4996	0.42	.Q	.	.	.	V	.
22.300	1.5002	0.42	.Q	.	.	.	V	.
22.317	1.5007	0.42	.Q	.	.	.	V	.
22.333	1.5013	0.42	.Q	.	.	.	V	.
22.350	1.5019	0.42	.Q	.	.	.	V	.
22.367	1.5025	0.42	.Q	.	.	.	V	.
22.383	1.5030	0.42	.Q	.	.	.	V	.
22.400	1.5036	0.42	.Q	.	.	.	V	.
22.417	1.5042	0.42	.Q	.	.	.	V	.
22.433	1.5048	0.42	.Q	.	.	.	V	.
22.450	1.5053	0.41	.Q	.	.	.	V	.
22.467	1.5059	0.41	.Q	.	.	.	V	.
22.483	1.5065	0.41	.Q	.	.	.	V	.
22.500	1.5070	0.41	.Q	.	.	.	V	.
22.517	1.5076	0.41	.Q	.	.	.	V	.
22.533	1.5082	0.41	.Q	.	.	.	V	.
22.550	1.5087	0.41	.Q	.	.	.	V	.
22.567	1.5093	0.41	.Q	.	.	.	V	.
22.583	1.5099	0.41	.Q	.	.	.	V	.
22.600	1.5104	0.41	.Q	.	.	.	V	.
22.617	1.5110	0.41	.Q	.	.	.	V	.
22.633	1.5116	0.41	.Q	.	.	.	V	.
22.650	1.5121	0.41	.Q	.	.	.	V	.
22.667	1.5127	0.41	.Q	.	.	.	V	.
22.683	1.5132	0.41	.Q	.	.	.	V	.
22.700	1.5138	0.41	.Q	.	.	.	V	.
22.717	1.5144	0.41	.Q	.	.	.	V	.
22.733	1.5149	0.41	.Q	.	.	.	V	.
22.750	1.5155	0.40	.Q	.	.	.	V	.
22.767	1.5160	0.40	.Q	.	.	.	V	.
22.783	1.5166	0.40	.Q	.	.	.	V	.
22.800	1.5171	0.40	.Q	.	.	.	V	.
22.817	1.5177	0.40	.Q	.	.	.	V	.
22.833	1.5183	0.40	.Q	.	.	.	V	.
22.850	1.5188	0.40	.Q	.	.	.	V	.
22.867	1.5194	0.40	.Q	.	.	.	V	.
22.883	1.5199	0.40	.Q	.	.	.	V	.
22.900	1.5205	0.40	.Q	.	.	.	V	.
22.917	1.5210	0.40	.Q	.	.	.	V	.
22.933	1.5216	0.40	.Q	.	.	.	V	.
22.950	1.5221	0.40	.Q	.	.	.	V	.
22.967	1.5227	0.40	.Q	.	.	.	V	.
22.983	1.5232	0.40	.Q	.	.	.	V	.
23.000	1.5238	0.40	.Q	.	.	.	V	.
23.017	1.5243	0.40	.Q	.	.	.	V	.
23.033	1.5249	0.40	.Q	.	.	.	V	.
23.050	1.5254	0.40	.Q	.	.	.	V	.
23.067	1.5259	0.40	.Q	.	.	.	V	.
23.083	1.5265	0.39	.Q	.	.	.	V	.
23.100	1.5270	0.39	.Q	.	.	.	V	.
23.117	1.5276	0.39	.Q	.	.	.	V	.
23.133	1.5281	0.39	.Q	.	.	.	V	.
23.150	1.5287	0.39	.Q	.	.	.	V	.
23.167	1.5292	0.39	.Q	.	.	.	V	.
23.183	1.5297	0.39	.Q	.	.	.	V	.
23.200	1.5303	0.39	.Q	.	.	.	V	.
23.217	1.5308	0.39	.Q	.	.	.	V	.
23.233	1.5313	0.39	.Q	.	.	.	V	.
23.250	1.5319	0.39	.Q	.	.	.	V	.
23.267	1.5324	0.39	.Q	.	.	.	V	.
23.283	1.5330	0.39	.Q	.	.	.	V	.
23.300	1.5335	0.39	.Q	.	.	.	V	.
23.317	1.5340	0.39	.Q	.	.	.	V	.
23.333	1.5346	0.39	.Q	.	.	.	V	.
23.350	1.5351	0.39	.Q	.	.	.	V	.
23.367	1.5356	0.39	.Q	.	.	.	V	.
23.383	1.5362	0.39	.Q	.	.	.	V	.
23.400	1.5367	0.39	.Q	.	.	.	V	.
23.417	1.5372	0.39	.Q	.	.	.	V	.
23.433	1.5378	0.39	.Q	.	.	.	V	.
23.450	1.5383	0.38	.Q	.	.	.	V	.
23.467	1.5388	0.38	.Q	.	.	.	V	.
23.483	1.5393	0.38	.Q	.	.	.	V	.
23.500	1.5399	0.38	.Q	.	.	.	V	.
23.517	1.5404	0.38	.Q	.	.	.	V	.
23.533	1.5409	0.38	.Q	.	.	.	V	.
23.550	1.5415	0.38	.Q	.	.	.	V	.
23.567	1.5420	0.38	.Q	.	.	.	V	.
23.583	1.5425	0.38	.Q	.	.	.	V	.
23.600	1.5430	0.38	.Q	.	.	.	V	.
23.617	1.5436	0.38	.Q	.	.	.	V	.
23.633	1.5441	0.38	.Q	.	.	.	V	.
23.650	1.5446	0.38	.Q	.	.	.	V	.
23.667	1.5451	0.38	.Q	.	.	.	V	.
23.683	1.5456	0.38	.Q	.	.	.	V	.
23.700	1.5462	0.38	.Q	.	.	.	V	.
23.717	1.5467	0.38	.Q	.	.	.	V	.
23.733	1.5472	0.38	.Q	.	.	.	V	.
23.750	1.5477	0.38	.Q	.	.	.	V	.

```
  23.767      1.5482      0.38  .Q        .         .         .        V.
  23.783      1.5488      0.38  .Q        .         .         .        V.
  23.800      1.5493      0.38  .Q        .         .         .        V.
  23.817      1.5498      0.38  .Q        .         .         .        V.
  23.833      1.5503      0.37  .Q        .         .         .        V.
  23.850      1.5508      0.37  .Q        .         .         .        V.
  23.867      1.5513      0.37  .Q        .         .         .        V.
  23.883      1.5519      0.37  .Q        .         .         .        V.
  23.900      1.5524      0.37  .Q        .         .         .        V.
  23.917      1.5529      0.37  .Q        .         .         .        V.
  23.933      1.5534      0.37  .Q        .         .         .        V.
  23.950      1.5539      0.37  .Q        .         .         .        V.
  23.967      1.5544      0.37  .Q        .         .         .        V.
  23.983      1.5549      0.37  .Q        .         .         .        V.
  24.000      1.5554      0.37  .Q        .         .         .        V.
--------------------------------------------------------------------------------
   TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
   (Note: 100% of Peak Flow Rate estimate assumed to have
   an instantaneous time duration)

   Percentile of Estimated               Duration
       Peak Flow Rate                    (minutes)
   ======================              =========
             0%                         1441.0
            10%                          655.0
            20%                          290.0
            30%                          185.0
            40%                          110.0
            50%                           95.0
            60%                           75.0
            70%                           55.0
            80%                           35.0
            90%                           20.0


********************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    110.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

           STREAM HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
       (Notes: Time indicated is at END of Each Unit Intervals.
               Peak 5-minute rainfall intensity is modeled as
               a constant value for entire 5-minute period.)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.        5.0      10.0      15.0      20.0
--------------------------------------------------------------------------------
   0.017      0.0000      0.00  Q         .         .         .         .
   0.033      0.0000      0.00  Q         .         .         .         .
   0.050      0.0000      0.00  Q         .         .         .         .
   0.067      0.0000      0.00  Q         .         .         .         .
   0.083      0.0000      0.00  Q         .         .         .         .
   0.100      0.0000      0.02  Q         .         .         .         .
   0.117      0.0001      0.05  Q         .         .         .         .
   0.133      0.0002      0.08  Q         .         .         .         .
   0.150      0.0004      0.11  Q         .         .         .         .
   0.167      0.0006      0.14  Q         .         .         .         .
   0.183      0.0008      0.17  Q         .         .         .         .
   0.200      0.0011      0.19  Q         .         .         .         .
   0.217      0.0014      0.22  Q         .         .         .         .
   0.233      0.0017      0.25  Q         .         .         .         .
   0.250      0.0021      0.28  Q         .         .         .         .
   0.267      0.0025      0.31  Q         .         .         .         .
   0.283      0.0030      0.34  Q         .         .         .         .
   0.300      0.0035      0.36  Q         .         .         .         .
   0.317      0.0040      0.37  Q         .         .         .         .
   0.333      0.0045      0.37  Q         .         .         .         .
   0.350      0.0050      0.37  Q         .         .         .         .
   0.367      0.0055      0.37  Q         .         .         .         .
   0.383      0.0060      0.37  Q         .         .         .         .
   0.400      0.0065      0.37  Q         .         .         .         .
   0.417      0.0070      0.37  Q         .         .         .         .
   0.433      0.0076      0.37  Q         .         .         .         .
   0.450      0.0081      0.37  Q         .         .         .         .
   0.467      0.0086      0.37  Q         .         .         .         .
   0.483      0.0091      0.37  Q         .         .         .         .
   0.500      0.0096      0.37  Q         .         .         .         .
   0.517      0.0101      0.37  Q         .         .         .         .
   0.533      0.0106      0.37  Q         .         .         .         .
   0.550      0.0111      0.37  Q         .         .         .         .
   0.567      0.0116      0.37  Q         .         .         .         .
   0.583      0.0121      0.37  Q         .         .         .         .
   0.600      0.0126      0.37  Q         .         .         .         .
   0.617      0.0132      0.37  Q         .         .         .         .
   0.633      0.0137      0.37  Q         .         .         .         .
   0.650      0.0142      0.37  Q         .         .         .         .
   0.667      0.0147      0.37  Q         .         .         .         .
   0.683      0.0152      0.37  Q         .         .         .         .
   0.700      0.0157      0.37  Q         .         .         .         .
   0.717      0.0162      0.37  Q         .         .         .         .
   0.733      0.0167      0.37  Q         .         .         .         .
   0.750      0.0173      0.37  Q         .         .         .         .
   0.767      0.0178      0.37  Q         .         .         .         .
   0.783      0.0183      0.37  Q         .         .         .         .
   0.800      0.0188      0.37  Q         .         .         .         .
   0.817      0.0193      0.37  Q         .         .         .         .
   0.833      0.0198      0.37  Q         .         .         .         .
   0.850      0.0204      0.37  Q         .         .         .         .
   0.867      0.0209      0.37  Q         .         .         .         .
```

0.883	0.0214	0.37	Q	.	.	.	.
0.900	0.0219	0.37	Q	.	.	.	.
0.917	0.0224	0.37	Q	.	.	.	.
0.933	0.0229	0.37	Q	.	.	.	.
0.950	0.0234	0.37	Q	.	.	.	.
0.967	0.0240	0.38	Q	.	.	.	.
0.983	0.0245	0.38	Q	.	.	.	.
1.000	0.0250	0.38	Q	.	.	.	.
1.017	0.0255	0.38	Q	.	.	.	.
1.033	0.0260	0.38	Q	.	.	.	.
1.050	0.0266	0.38	Q	.	.	.	.
1.067	0.0271	0.38	Q	.	.	.	.
1.083	0.0276	0.38	Q	.	.	.	.
1.100	0.0281	0.38	Q	.	.	.	.
1.117	0.0286	0.38	Q	.	.	.	.
1.133	0.0292	0.38	Q	.	.	.	.
1.150	0.0297	0.38	Q	.	.	.	.
1.167	0.0302	0.38	Q	.	.	.	.
1.183	0.0307	0.38	Q	.	.	.	.
1.200	0.0312	0.38	Q	.	.	.	.
1.217	0.0318	0.38	Q	.	.	.	.
1.233	0.0323	0.38	Q	.	.	.	.
1.250	0.0328	0.38	Q	.	.	.	.
1.267	0.0333	0.38	Q	.	.	.	.
1.283	0.0339	0.38	Q	.	.	.	.
1.300	0.0344	0.38	Q	.	.	.	.
1.317	0.0349	0.38	Q	.	.	.	.
1.333	0.0354	0.38	Q	.	.	.	.
1.350	0.0359	0.38	Q	.	.	.	.
1.367	0.0365	0.38	Q	.	.	.	.
1.383	0.0370	0.38	Q	.	.	.	.
1.400	0.0375	0.38	Q	.	.	.	.
1.417	0.0380	0.38	Q	.	.	.	.
1.433	0.0386	0.38	Q	.	.	.	.
1.450	0.0391	0.38	Q	.	.	.	.
1.467	0.0396	0.38	QV	.	.	.	.
1.483	0.0401	0.38	QV	.	.	.	.
1.500	0.0407	0.38	QV	.	.	.	.
1.517	0.0412	0.38	QV	.	.	.	.
1.533	0.0417	0.38	QV	.	.	.	.
1.550	0.0423	0.38	QV	.	.	.	.
1.567	0.0428	0.38	QV	.	.	.	.
1.583	0.0433	0.38	QV	.	.	.	.
1.600	0.0438	0.38	QV	.	.	.	.
1.617	0.0444	0.38	QV	.	.	.	.
1.633	0.0449	0.38	QV	.	.	.	.
1.650	0.0454	0.38	QV	.	.	.	.
1.667	0.0460	0.38	QV	.	.	.	.
1.683	0.0465	0.38	QV	.	.	.	.
1.700	0.0470	0.39	QV	.	.	.	.
1.717	0.0476	0.39	QV	.	.	.	.
1.733	0.0481	0.39	QV	.	.	.	.
1.750	0.0486	0.39	QV	.	.	.	.
1.767	0.0491	0.39	QV	.	.	.	.
1.783	0.0497	0.39	QV	.	.	.	.
1.800	0.0502	0.39	QV	.	.	.	.
1.817	0.0507	0.39	QV	.	.	.	.
1.833	0.0513	0.39	QV	.	.	.	.
1.850	0.0518	0.39	QV	.	.	.	.
1.867	0.0523	0.39	QV	.	.	.	.
1.883	0.0529	0.39	QV	.	.	.	.
1.900	0.0534	0.39	QV	.	.	.	.
1.917	0.0539	0.39	QV	.	.	.	.
1.933	0.0545	0.39	QV	.	.	.	.
1.950	0.0550	0.39	QV	.	.	.	.
1.967	0.0556	0.39	QV	.	.	.	.
1.983	0.0561	0.39	QV	.	.	.	.
2.000	0.0566	0.39	QV	.	.	.	.
2.017	0.0572	0.39	QV	.	.	.	.
2.033	0.0577	0.39	QV	.	.	.	.
2.050	0.0582	0.39	QV	.	.	.	.
2.067	0.0588	0.39	QV	.	.	.	.
2.083	0.0593	0.39	QV	.	.	.	.
2.100	0.0599	0.39	QV	.	.	.	.
2.117	0.0604	0.39	QV	.	.	.	.
2.133	0.0609	0.39	QV	.	.	.	.
2.150	0.0615	0.39	QV	.	.	.	.
2.167	0.0620	0.39	QV	.	.	.	.
2.183	0.0625	0.39	QV	.	.	.	.
2.200	0.0631	0.39	QV	.	.	.	.
2.217	0.0636	0.39	QV	.	.	.	.
2.233	0.0642	0.39	QV	.	.	.	.
2.250	0.0647	0.39	QV	.	.	.	.
2.267	0.0652	0.39	QV	.	.	.	.
2.283	0.0658	0.39	QV	.	.	.	.
2.300	0.0663	0.39	QV	.	.	.	.
2.317	0.0669	0.39	QV	.	.	.	.
2.333	0.0674	0.39	QV	.	.	.	.
2.350	0.0680	0.39	QV	.	.	.	.
2.367	0.0685	0.39	QV	.	.	.	.
2.383	0.0690	0.39	QV	.	.	.	.
2.400	0.0696	0.40	QV	.	.	.	.
2.417	0.0701	0.40	QV	.	.	.	.
2.433	0.0707	0.40	QV	.	.	.	.
2.450	0.0712	0.40	QV	.	.	.	.
2.467	0.0718	0.40	QV	.	.	.	.
2.483	0.0723	0.40	QV	.	.	.	.
2.500	0.0729	0.40	QV	.	.	.	.
2.517	0.0734	0.40	QV	.	.	.	.
2.533	0.0740	0.40	QV	.	.	.	.

2.550	0.0745	0.40	QV	.	.	.	.
2.567	0.0750	0.40	QV	.	.	.	.
2.583	0.0756	0.40	QV	.	.	.	.
2.600	0.0761	0.40	QV	.	.	.	.
2.617	0.0767	0.40	QV	.	.	.	.
2.633	0.0772	0.40	QV	.	.	.	.
2.650	0.0778	0.40	QV	.	.	.	.
2.667	0.0783	0.40	Q V	.	.	.	.
2.683	0.0789	0.40	Q V	.	.	.	.
2.700	0.0794	0.40	Q V	.	.	.	.
2.717	0.0800	0.40	Q V	.	.	.	.
2.733	0.0805	0.40	Q V	.	.	.	.
2.750	0.0811	0.40	Q V	.	.	.	.
2.767	0.0816	0.40	Q V	.	.	.	.
2.783	0.0822	0.40	Q V	.	.	.	.
2.800	0.0827	0.40	Q V	.	.	.	.
2.817	0.0833	0.40	Q V	.	.	.	.
2.833	0.0838	0.40	Q V	.	.	.	.
2.850	0.0844	0.40	Q V	.	.	.	.
2.867	0.0850	0.40	Q V	.	.	.	.
2.883	0.0855	0.40	Q V	.	.	.	.
2.900	0.0861	0.40	Q V	.	.	.	.
2.917	0.0866	0.40	Q V	.	.	.	.
2.933	0.0872	0.40	Q V	.	.	.	.
2.950	0.0877	0.40	Q V	.	.	.	.
2.967	0.0883	0.40	Q V	.	.	.	.
2.983	0.0888	0.40	Q V	.	.	.	.
3.000	0.0894	0.40	Q V	.	.	.	.
3.017	0.0900	0.40	Q V	.	.	.	.
3.033	0.0905	0.40	Q V	.	.	.	.
3.050	0.0911	0.40	Q V	.	.	.	.
3.067	0.0916	0.40	Q V	.	.	.	.
3.083	0.0922	0.40	Q V	.	.	.	.
3.100	0.0927	0.40	Q V	.	.	.	.
3.117	0.0933	0.41	Q V	.	.	.	.
3.133	0.0939	0.41	Q V	.	.	.	.
3.150	0.0944	0.41	Q V	.	.	.	.
3.167	0.0950	0.41	Q V	.	.	.	.
3.183	0.0955	0.41	Q V	.	.	.	.
3.200	0.0961	0.41	Q V	.	.	.	.
3.217	0.0967	0.41	Q V	.	.	.	.
3.233	0.0972	0.41	Q V	.	.	.	.
3.250	0.0978	0.41	Q V	.	.	.	.
3.267	0.0983	0.41	Q V	.	.	.	.
3.283	0.0989	0.41	Q V	.	.	.	.
3.300	0.0995	0.41	Q V	.	.	.	.
3.317	0.1000	0.41	Q V	.	.	.	.
3.333	0.1006	0.41	Q V	.	.	.	.
3.350	0.1012	0.41	Q V	.	.	.	.
3.367	0.1017	0.41	Q V	.	.	.	.
3.383	0.1023	0.41	Q V	.	.	.	.
3.400	0.1029	0.41	Q V	.	.	.	.
3.417	0.1034	0.41	Q V	.	.	.	.
3.433	0.1040	0.41	Q V	.	.	.	.
3.450	0.1046	0.41	Q V	.	.	.	.
3.467	0.1051	0.41	Q V	.	.	.	.
3.483	0.1057	0.41	Q V	.	.	.	.
3.500	0.1063	0.41	Q V	.	.	.	.
3.517	0.1068	0.41	Q V	.	.	.	.
3.533	0.1074	0.41	Q V	.	.	.	.
3.550	0.1080	0.41	Q V	.	.	.	.
3.567	0.1085	0.41	Q V	.	.	.	.
3.583	0.1091	0.41	Q V	.	.	.	.
3.600	0.1097	0.41	Q V	.	.	.	.
3.617	0.1102	0.41	Q V	.	.	.	.
3.633	0.1108	0.41	Q V	.	.	.	.
3.650	0.1114	0.41	Q V	.	.	.	.
3.667	0.1119	0.41	Q V	.	.	.	.
3.683	0.1125	0.42	Q V	.	.	.	.
3.700	0.1131	0.42	Q V	.	.	.	.
3.717	0.1137	0.42	Q V	.	.	.	.
3.733	0.1142	0.42	Q V	.	.	.	.
3.750	0.1148	0.42	Q V	.	.	.	.
3.767	0.1154	0.42	Q V	.	.	.	.
3.783	0.1160	0.42	Q V	.	.	.	.
3.800	0.1165	0.42	Q V	.	.	.	.
3.817	0.1171	0.42	Q V	.	.	.	.
3.833	0.1177	0.42	Q V	.	.	.	.
3.850	0.1183	0.42	Q V	.	.	.	.
3.867	0.1188	0.42	Q V	.	.	.	.
3.883	0.1194	0.42	Q V	.	.	.	.
3.900	0.1200	0.42	Q V	.	.	.	.
3.917	0.1206	0.42	Q V	.	.	.	.
3.933	0.1211	0.42	Q V	.	.	.	.
3.950	0.1217	0.42	Q V	.	.	.	.
3.967	0.1223	0.42	Q V	.	.	.	.
3.983	0.1229	0.42	Q V	.	.	.	.
4.000	0.1235	0.42	Q V	.	.	.	.
4.017	0.1240	0.42	Q V	.	.	.	.
4.033	0.1246	0.42	Q V	.	.	.	.
4.050	0.1252	0.42	Q V	.	.	.	.
4.067	0.1258	0.42	Q V	.	.	.	.
4.083	0.1264	0.42	Q V	.	.	.	.
4.100	0.1269	0.42	Q V	.	.	.	.
4.117	0.1275	0.42	Q V	.	.	.	.
4.133	0.1281	0.42	Q V	.	.	.	.
4.150	0.1287	0.42	Q V	.	.	.	.
4.167	0.1293	0.42	Q V	.	.	.	.
4.183	0.1299	0.42	Q V	.	.	.	.
4.200	0.1304	0.42	Q V	.	.	.	.

4.217	0.1310	0.42	Q	V	.	.	.	.
4.233	0.1316	0.42	Q	V	.	.	.	.
4.250	0.1322	0.42	Q	V	.	.	.	.
4.267	0.1328	0.43	Q	V	.	.	.	.
4.283	0.1334	0.43	Q	V	.	.	.	.
4.300	0.1340	0.43	Q	V	.	.	.	.
4.317	0.1345	0.43	Q	V	.	.	.	.
4.333	0.1351	0.43	Q	V	.	.	.	.
4.350	0.1357	0.43	Q	V	.	.	.	.
4.367	0.1363	0.43	Q	V	.	.	.	.
4.383	0.1369	0.43	Q	V	.	.	.	.
4.400	0.1375	0.43	Q	V	.	.	.	.
4.417	0.1381	0.43	Q	V	.	.	.	.
4.433	0.1387	0.43	Q	V	.	.	.	.
4.450	0.1392	0.43	Q	V	.	.	.	.
4.467	0.1398	0.43	Q	V	.	.	.	.
4.483	0.1404	0.43	Q	V	.	.	.	.
4.500	0.1410	0.43	Q	V	.	.	.	.
4.517	0.1416	0.43	Q	V	.	.	.	.
4.533	0.1422	0.43	Q	V	.	.	.	.
4.550	0.1428	0.43	Q	V	.	.	.	.
4.567	0.1434	0.43	Q	V	.	.	.	.
4.583	0.1440	0.43	Q	V	.	.	.	.
4.600	0.1446	0.43	Q	V	.	.	.	.
4.617	0.1452	0.43	Q	V	.	.	.	.
4.633	0.1458	0.43	Q	V	.	.	.	.
4.650	0.1464	0.43	Q	V	.	.	.	.
4.667	0.1470	0.43	Q	V	.	.	.	.
4.683	0.1476	0.43	Q	V	.	.	.	.
4.700	0.1481	0.43	Q	V	.	.	.	.
4.717	0.1487	0.43	Q	V	.	.	.	.
4.733	0.1493	0.43	Q	V	.	.	.	.
4.750	0.1499	0.43	Q	V	.	.	.	.
4.767	0.1505	0.43	Q	V	.	.	.	.
4.783	0.1511	0.43	Q	V	.	.	.	.
4.800	0.1517	0.43	Q	V	.	.	.	.
4.817	0.1523	0.43	Q	V	.	.	.	.
4.833	0.1529	0.44	Q	V	.	.	.	.
4.850	0.1535	0.44	Q	V	.	.	.	.
4.867	0.1541	0.44	Q	V	.	.	.	.
4.883	0.1547	0.44	Q	V	.	.	.	.
4.900	0.1553	0.44	Q	V	.	.	.	.
4.917	0.1559	0.44	Q	V	.	.	.	.
4.933	0.1565	0.44	Q	V	.	.	.	.
4.950	0.1571	0.44	Q	V	.	.	.	.
4.967	0.1577	0.44	Q	V	.	.	.	.
4.983	0.1584	0.44	Q	V	.	.	.	.
5.000	0.1590	0.44	Q	V	.	.	.	.
5.017	0.1596	0.44	Q	V	.	.	.	.
5.033	0.1602	0.44	Q	V	.	.	.	.
5.050	0.1608	0.44	Q	V	.	.	.	.
5.067	0.1614	0.44	Q	V	.	.	.	.
5.083	0.1620	0.44	Q	V	.	.	.	.
5.100	0.1626	0.44	Q	V	.	.	.	.
5.117	0.1632	0.44	Q	V	.	.	.	.
5.133	0.1638	0.44	Q	V	.	.	.	.
5.150	0.1644	0.44	Q	V	.	.	.	.
5.167	0.1650	0.44	Q	V	.	.	.	.
5.183	0.1656	0.44	Q	V	.	.	.	.
5.200	0.1663	0.44	Q	V	.	.	.	.
5.217	0.1669	0.44	Q	V	.	.	.	.
5.233	0.1675	0.44	Q	V	.	.	.	.
5.250	0.1681	0.44	Q	V	.	.	.	.
5.267	0.1687	0.44	Q	V	.	.	.	.
5.283	0.1693	0.44	Q	V	.	.	.	.
5.300	0.1699	0.44	Q	V	.	.	.	.
5.317	0.1705	0.45	Q	V	.	.	.	.
5.333	0.1711	0.45	Q	V	.	.	.	.
5.350	0.1718	0.45	Q	V	.	.	.	.
5.367	0.1724	0.45	Q	V	.	.	.	.
5.383	0.1730	0.45	Q	V	.	.	.	.
5.400	0.1736	0.45	Q	V	.	.	.	.
5.417	0.1742	0.45	Q	V	.	.	.	.
5.433	0.1748	0.45	Q	V	.	.	.	.
5.450	0.1755	0.45	Q	V	.	.	.	.
5.467	0.1761	0.45	Q	V	.	.	.	.
5.483	0.1767	0.45	Q	V	.	.	.	.
5.500	0.1773	0.45	Q	V	.	.	.	.
5.517	0.1779	0.45	Q	V	.	.	.	.
5.533	0.1786	0.45	Q	V	.	.	.	.
5.550	0.1792	0.45	Q	V	.	.	.	.
5.567	0.1798	0.45	Q	V	.	.	.	.
5.583	0.1804	0.45	Q	V	.	.	.	.
5.600	0.1810	0.45	Q	V	.	.	.	.
5.617	0.1817	0.45	Q	V	.	.	.	.
5.633	0.1823	0.45	Q	V	.	.	.	.
5.650	0.1829	0.45	Q	V	.	.	.	.
5.667	0.1835	0.45	Q	V	.	.	.	.
5.683	0.1842	0.45	Q	V	.	.	.	.
5.700	0.1848	0.45	Q	V	.	.	.	.
5.717	0.1854	0.45	Q	V	.	.	.	.
5.733	0.1860	0.45	Q	V	.	.	.	.
5.750	0.1867	0.45	Q	V	.	.	.	.
5.767	0.1873	0.45	Q	V	.	.	.	.
5.783	0.1879	0.46	Q	V	.	.	.	.
5.800	0.1885	0.46	Q	V	.	.	.	.
5.817	0.1892	0.46	Q	V	.	.	.	.
5.833	0.1898	0.46	Q	V	.	.	.	.
5.850	0.1904	0.46	Q	V	.	.	.	.
5.867	0.1911	0.46	Q	V	.	.	.	.

5.883	0.1917	0.46	Q	V	.	.	.	.
5.900	0.1923	0.46	Q	V	.	.	.	.
5.917	0.1930	0.46	Q	V	.	.	.	.
5.933	0.1936	0.46	Q	V	.	.	.	.
5.950	0.1942	0.46	Q	V	.	.	.	.
5.967	0.1948	0.46	Q	V	.	.	.	.
5.983	0.1955	0.46	Q	V	.	.	.	.
6.000	0.1961	0.46	Q	V	.	.	.	.
6.017	0.1968	0.46	Q	V	.	.	.	.
6.033	0.1974	0.46	Q	V	.	.	.	.
6.050	0.1980	0.46	Q	V	.	.	.	.
6.067	0.1987	0.46	Q	V	.	.	.	.
6.083	0.1993	0.46	Q	V	.	.	.	.
6.100	0.1999	0.46	Q	V	.	.	.	.
6.117	0.2006	0.46	Q	V	.	.	.	.
6.133	0.2012	0.46	Q	V	.	.	.	.
6.150	0.2018	0.46	Q	V	.	.	.	.
6.167	0.2025	0.46	Q	V	.	.	.	.
6.183	0.2031	0.46	Q	V	.	.	.	.
6.200	0.2038	0.46	Q	V	.	.	.	.
6.217	0.2044	0.47	Q	V	.	.	.	.
6.233	0.2050	0.47	Q	V	.	.	.	.
6.250	0.2057	0.47	Q	V	.	.	.	.
6.267	0.2063	0.47	Q	V	.	.	.	.
6.283	0.2070	0.47	Q	V	.	.	.	.
6.300	0.2076	0.47	Q	V	.	.	.	.
6.317	0.2083	0.47	Q	V	.	.	.	.
6.333	0.2089	0.47	Q	V	.	.	.	.
6.350	0.2096	0.47	Q	V	.	.	.	.
6.367	0.2102	0.47	Q	V	.	.	.	.
6.383	0.2108	0.47	Q	V	.	.	.	.
6.400	0.2115	0.47	Q	V	.	.	.	.
6.417	0.2121	0.47	Q	V	.	.	.	.
6.433	0.2128	0.47	Q	V	.	.	.	.
6.450	0.2134	0.47	Q	V	.	.	.	.
6.467	0.2141	0.47	Q	V	.	.	.	.
6.483	0.2147	0.47	Q	V	.	.	.	.
6.500	0.2154	0.47	Q	V	.	.	.	.
6.517	0.2160	0.47	Q	V	.	.	.	.
6.533	0.2167	0.47	Q	V	.	.	.	.
6.550	0.2173	0.47	Q	V	.	.	.	.
6.567	0.2180	0.47	Q	V	.	.	.	.
6.583	0.2186	0.47	Q	V	.	.	.	.
6.600	0.2193	0.47	Q	V	.	.	.	.
6.617	0.2199	0.47	Q	V	.	.	.	.
6.633	0.2206	0.48	Q	V	.	.	.	.
6.650	0.2213	0.48	Q	V	.	.	.	.
6.667	0.2219	0.48	Q	V	.	.	.	.
6.683	0.2226	0.48	Q	V	.	.	.	.
6.700	0.2232	0.48	Q	V	.	.	.	.
6.717	0.2239	0.48	Q	V	.	.	.	.
6.733	0.2245	0.48	Q	V	.	.	.	.
6.750	0.2252	0.48	Q	V	.	.	.	.
6.767	0.2259	0.48	Q	V	.	.	.	.
6.783	0.2265	0.48	Q	V	.	.	.	.
6.800	0.2272	0.48	Q	V	.	.	.	.
6.817	0.2279	0.48	Q	V	.	.	.	.
6.833	0.2285	0.48	Q	V	.	.	.	.
6.850	0.2292	0.48	Q	V	.	.	.	.
6.867	0.2298	0.48	Q	V	.	.	.	.
6.883	0.2305	0.48	Q	V	.	.	.	.
6.900	0.2312	0.48	Q	V	.	.	.	.
6.917	0.2318	0.48	Q	V	.	.	.	.
6.933	0.2325	0.48	Q	V	.	.	.	.
6.950	0.2332	0.48	Q	V	.	.	.	.
6.967	0.2338	0.48	Q	V	.	.	.	.
6.983	0.2345	0.48	Q	V	.	.	.	.
7.000	0.2352	0.48	Q	V	.	.	.	.
7.017	0.2358	0.48	Q	V	.	.	.	.
7.033	0.2365	0.49	Q	V	.	.	.	.
7.050	0.2372	0.49	Q	V	.	.	.	.
7.067	0.2378	0.49	Q	V	.	.	.	.
7.083	0.2385	0.49	Q	V	.	.	.	.
7.100	0.2392	0.49	Q	V	.	.	.	.
7.117	0.2399	0.49	Q	V	.	.	.	.
7.133	0.2405	0.49	Q	V	.	.	.	.
7.150	0.2412	0.49	Q	V	.	.	.	.
7.167	0.2419	0.49	Q	V	.	.	.	.
7.183	0.2426	0.49	Q	V	.	.	.	.
7.200	0.2432	0.49	Q	V	.	.	.	.
7.217	0.2439	0.49	Q	V	.	.	.	.
7.233	0.2446	0.49	Q	V	.	.	.	.
7.250	0.2453	0.49	Q	V	.	.	.	.
7.267	0.2459	0.49	Q	V	.	.	.	.
7.283	0.2466	0.49	Q	V	.	.	.	.
7.300	0.2473	0.49	Q	V	.	.	.	.
7.317	0.2480	0.49	Q	V	.	.	.	.
7.333	0.2487	0.49	Q	V	.	.	.	.
7.350	0.2493	0.49	Q	V	.	.	.	.
7.367	0.2500	0.49	Q	V	.	.	.	.
7.383	0.2507	0.49	Q	V	.	.	.	.
7.400	0.2514	0.50	Q	V	.	.	.	.
7.417	0.2521	0.50	Q	V	.	.	.	.
7.433	0.2528	0.50	Q	V	.	.	.	.
7.450	0.2534	0.50	Q	V	.	.	.	.
7.467	0.2541	0.50	Q	V	.	.	.	.
7.483	0.2548	0.50	Q	V	.	.	.	.
7.500	0.2555	0.50	Q	V	.	.	.	.
7.517	0.2562	0.50	Q	V	.	.	.	.
7.533	0.2569	0.50	.Q	V	.	.	.	.

7.550	0.2576	0.50	.Q	V	.	.	.	.
7.567	0.2583	0.50	.Q	V	.	.	.	.
7.583	0.2589	0.50	.Q	V	.	.	.	.
7.600	0.2596	0.50	.Q	V	.	.	.	.
7.617	0.2603	0.50	.Q	V	.	.	.	.
7.633	0.2610	0.50	.Q	V	.	.	.	.
7.650	0.2617	0.50	.Q	V	.	.	.	.
7.667	0.2624	0.50	.Q	V	.	.	.	.
7.683	0.2631	0.50	.Q	V	.	.	.	.
7.700	0.2638	0.51	.Q	V	.	.	.	.
7.717	0.2645	0.51	.Q	V	.	.	.	.
7.733	0.2652	0.51	.Q	V	.	.	.	.
7.750	0.2659	0.51	.Q	V	.	.	.	.
7.767	0.2666	0.51	.Q	V	.	.	.	.
7.783	0.2673	0.51	.Q	V	.	.	.	.
7.800	0.2680	0.51	.Q	V	.	.	.	.
7.817	0.2687	0.51	.Q	V	.	.	.	.
7.833	0.2694	0.51	.Q	V	.	.	.	.
7.850	0.2701	0.51	.Q	V	.	.	.	.
7.867	0.2708	0.51	.Q	V	.	.	.	.
7.883	0.2715	0.51	.Q	V	.	.	.	.
7.900	0.2722	0.51	.Q	V	.	.	.	.
7.917	0.2729	0.51	.Q	V	.	.	.	.
7.933	0.2736	0.51	.Q	V	.	.	.	.
7.950	0.2743	0.51	.Q	V	.	.	.	.
7.967	0.2750	0.51	.Q	V	.	.	.	.
7.983	0.2757	0.51	.Q	V	.	.	.	.
8.000	0.2764	0.51	.Q	V	.	.	.	.
8.017	0.2771	0.52	.Q	V	.	.	.	.
8.033	0.2779	0.52	.Q	V	.	.	.	.
8.050	0.2786	0.52	.Q	V	.	.	.	.
8.067	0.2793	0.52	.Q	V	.	.	.	.
8.083	0.2800	0.52	.Q	V	.	.	.	.
8.100	0.2807	0.52	.Q	V	.	.	.	.
8.117	0.2814	0.52	.Q	V	.	.	.	.
8.133	0.2821	0.52	.Q	V	.	.	.	.
8.150	0.2828	0.52	.Q	V	.	.	.	.
8.167	0.2836	0.52	.Q	V	.	.	.	.
8.183	0.2843	0.52	.Q	V	.	.	.	.
8.200	0.2850	0.52	.Q	V	.	.	.	.
8.217	0.2857	0.52	.Q	V	.	.	.	.
8.233	0.2864	0.52	.Q	V	.	.	.	.
8.250	0.2871	0.52	.Q	V	.	.	.	.
8.267	0.2879	0.52	.Q	V	.	.	.	.
8.283	0.2886	0.52	.Q	V	.	.	.	.
8.300	0.2893	0.52	.Q	V	.	.	.	.
8.317	0.2900	0.52	.Q	V	.	.	.	.
8.333	0.2907	0.52	.Q	V	.	.	.	.
8.350	0.2915	0.53	.Q	V	.	.	.	.
8.367	0.2922	0.53	.Q	V	.	.	.	.
8.383	0.2929	0.53	.Q	V	.	.	.	.
8.400	0.2936	0.53	.Q	V	.	.	.	.
8.417	0.2944	0.53	.Q	V	.	.	.	.
8.433	0.2951	0.53	.Q	V	.	.	.	.
8.450	0.2958	0.53	.Q	V	.	.	.	.
8.467	0.2966	0.53	.Q	V	.	.	.	.
8.483	0.2973	0.53	.Q	V	.	.	.	.
8.500	0.2980	0.53	.Q	V	.	.	.	.
8.517	0.2988	0.53	.Q	V	.	.	.	.
8.533	0.2995	0.53	.Q	V	.	.	.	.
8.550	0.3002	0.53	.Q	V	.	.	.	.
8.567	0.3010	0.53	.Q	V	.	.	.	.
8.583	0.3017	0.53	.Q	V	.	.	.	.
8.600	0.3024	0.53	.Q	V	.	.	.	.
8.617	0.3032	0.53	.Q	V	.	.	.	.
8.633	0.3039	0.53	.Q	V	.	.	.	.
8.650	0.3046	0.54	.Q	V	.	.	.	.
8.667	0.3054	0.54	.Q	V	.	.	.	.
8.683	0.3061	0.54	.Q	V	.	.	.	.
8.700	0.3069	0.54	.Q	V	.	.	.	.
8.717	0.3076	0.54	.Q	V	.	.	.	.
8.733	0.3083	0.54	.Q	V	.	.	.	.
8.750	0.3091	0.54	.Q	V	.	.	.	.
8.767	0.3098	0.54	.Q	V	.	.	.	.
8.783	0.3106	0.54	.Q	V	.	.	.	.
8.800	0.3113	0.54	.Q	V	.	.	.	.
8.817	0.3121	0.54	.Q	V	.	.	.	.
8.833	0.3128	0.54	.Q	V	.	.	.	.
8.850	0.3136	0.54	.Q	V	.	.	.	.
8.867	0.3143	0.54	.Q	V	.	.	.	.
8.883	0.3151	0.55	.Q	V	.	.	.	.
8.900	0.3158	0.55	.Q	V	.	.	.	.
8.917	0.3166	0.55	.Q	V	.	.	.	.
8.933	0.3173	0.55	.Q	V	.	.	.	.
8.950	0.3181	0.55	.Q	V	.	.	.	.
8.967	0.3188	0.55	.Q	V	.	.	.	.
8.983	0.3196	0.55	.Q	V	.	.	.	.
9.000	0.3204	0.55	.Q	V	.	.	.	.
9.017	0.3211	0.55	.Q	V	.	.	.	.
9.033	0.3219	0.55	.Q	V	.	.	.	.
9.050	0.3226	0.55	.Q	V	.	.	.	.
9.067	0.3234	0.55	.Q	V	.	.	.	.
9.083	0.3241	0.55	.Q	V	.	.	.	.
9.100	0.3249	0.55	.Q	V	.	.	.	.
9.117	0.3257	0.55	.Q	V	.	.	.	.
9.133	0.3264	0.55	.Q	V	.	.	.	.
9.150	0.3272	0.55	.Q	V	.	.	.	.
9.167	0.3280	0.55	.Q	V	.	.	.	.
9.183	0.3287	0.56	.Q	V	.	.	.	.
9.200	0.3295	0.56	.Q	V	.	.	.	.

9.217	0.3303	0.56	.Q	V .	.	.	.
9.233	0.3310	0.56	.Q	V .	.	.	.
9.250	0.3318	0.56	.Q	V .	.	.	.
9.267	0.3326	0.56	.Q	V .	.	.	.
9.283	0.3333	0.56	.Q	V .	.	.	.
9.300	0.3341	0.56	.Q	V .	.	.	.
9.317	0.3349	0.56	.Q	V .	.	.	.
9.333	0.3357	0.56	.Q	V .	.	.	.
9.350	0.3364	0.56	.Q	V .	.	.	.
9.367	0.3372	0.56	.Q	V .	.	.	.
9.383	0.3380	0.57	.Q	V .	.	.	.
9.400	0.3388	0.57	.Q	V .	.	.	.
9.417	0.3396	0.57	.Q	V .	.	.	.
9.433	0.3403	0.57	.Q	V .	.	.	.
9.450	0.3411	0.57	.Q	V .	.	.	.
9.467	0.3419	0.57	.Q	V .	.	.	.
9.483	0.3427	0.57	.Q	V .	.	.	.
9.500	0.3435	0.57	.Q	V .	.	.	.
9.517	0.3443	0.57	.Q	V .	.	.	.
9.533	0.3450	0.57	.Q	V .	.	.	.
9.550	0.3458	0.57	.Q	V .	.	.	.
9.567	0.3466	0.57	.Q	V .	.	.	.
9.583	0.3474	0.57	.Q	V .	.	.	.
9.600	0.3482	0.57	.Q	V .	.	.	.
9.617	0.3490	0.57	.Q	V .	.	.	.
9.633	0.3498	0.58	.Q	V .	.	.	.
9.650	0.3506	0.58	.Q	V .	.	.	.
9.667	0.3514	0.58	.Q	V .	.	.	.
9.683	0.3522	0.58	.Q	V.	.	.	.
9.700	0.3530	0.58	.Q	V.	.	.	.
9.717	0.3538	0.58	.Q	V.	.	.	.
9.733	0.3546	0.58	.Q	V.	.	.	.
9.750	0.3554	0.58	.Q	V.	.	.	.
9.767	0.3562	0.58	.Q	V.	.	.	.
9.783	0.3570	0.58	.Q	V.	.	.	.
9.800	0.3578	0.58	.Q	V.	.	.	.
9.817	0.3586	0.58	.Q	V.	.	.	.
9.833	0.3594	0.59	.Q	V.	.	.	.
9.850	0.3602	0.59	.Q	V.	.	.	.
9.867	0.3610	0.59	.Q	V.	.	.	.
9.883	0.3618	0.59	.Q	V.	.	.	.
9.900	0.3626	0.59	.Q	V.	.	.	.
9.917	0.3634	0.59	.Q	V.	.	.	.
9.933	0.3642	0.59	.Q	V.	.	.	.
9.950	0.3650	0.59	.Q	V.	.	.	.
9.967	0.3659	0.59	.Q	V.	.	.	.
9.983	0.3667	0.59	.Q	V.	.	.	.
10.000	0.3675	0.59	.Q	V.	.	.	.
10.017	0.3683	0.59	.Q	V.	.	.	.
10.033	0.3691	0.59	.Q	V.	.	.	.
10.050	0.3699	0.59	.Q	V.	.	.	.
10.067	0.3708	0.60	.Q	V.	.	.	.
10.083	0.3716	0.60	.Q	V.	.	.	.
10.100	0.3724	0.60	.Q	V.	.	.	.
10.117	0.3732	0.60	.Q	V.	.	.	.
10.133	0.3740	0.60	.Q	V.	.	.	.
10.150	0.3749	0.60	.Q	V.	.	.	.
10.167	0.3757	0.60	.Q	V.	.	.	.
10.183	0.3765	0.60	.Q	V.	.	.	.
10.200	0.3774	0.60	.Q	V.	.	.	.
10.217	0.3782	0.60	.Q	V.	.	.	.
10.233	0.3790	0.61	.Q	V.	.	.	.
10.250	0.3799	0.61	.Q	V.	.	.	.
10.267	0.3807	0.61	.Q	V.	.	.	.
10.283	0.3815	0.61	.Q	V.	.	.	.
10.300	0.3824	0.61	.Q	V.	.	.	.
10.317	0.3832	0.61	.Q	V.	.	.	.
10.333	0.3841	0.61	.Q	V.	.	.	.
10.350	0.3849	0.61	.Q	V.	.	.	.
10.367	0.3857	0.61	.Q	V.	.	.	.
10.383	0.3866	0.61	.Q	V.	.	.	.
10.400	0.3874	0.61	.Q	V.	.	.	.
10.417	0.3883	0.61	.Q	V.	.	.	.
10.433	0.3891	0.61	.Q	V.	.	.	.
10.450	0.3899	0.61	.Q	V.	.	.	.
10.467	0.3908	0.62	.Q	V.	.	.	.
10.483	0.3916	0.62	.Q	V	.	.	.
10.500	0.3925	0.62	.Q	V	.	.	.
10.517	0.3933	0.62	.Q	V	.	.	.
10.533	0.3942	0.62	.Q	V	.	.	.
10.550	0.3951	0.62	.Q	V	.	.	.
10.567	0.3959	0.62	.Q	V	.	.	.
10.583	0.3968	0.62	.Q	V	.	.	.
10.600	0.3976	0.63	.Q	V	.	.	.
10.617	0.3985	0.63	.Q	V	.	.	.
10.633	0.3994	0.63	.Q	V	.	.	.
10.650	0.4002	0.63	.Q	V	.	.	.
10.667	0.4011	0.63	.Q	V	.	.	.
10.683	0.4020	0.63	.Q	V	.	.	.
10.700	0.4028	0.63	.Q	V	.	.	.
10.717	0.4037	0.63	.Q	V	.	.	.
10.733	0.4046	0.63	.Q	V	.	.	.
10.750	0.4054	0.63	.Q	V	.	.	.
10.767	0.4063	0.63	.Q	V	.	.	.
10.783	0.4072	0.63	.Q	V	.	.	.
10.800	0.4081	0.63	.Q	V	.	.	.
10.817	0.4089	0.63	.Q	V	.	.	.
10.833	0.4098	0.64	.Q	V	.	.	.
10.850	0.4107	0.64	.Q	V	.	.	.
10.867	0.4116	0.64	.Q	V	.	.	.

10.883	0.4124	0.64	.Q	V	.	.	.
10.900	0.4133	0.64	.Q	V	.	.	.
10.917	0.4142	0.64	.Q	V	.	.	.
10.933	0.4151	0.64	.Q	V	.	.	.
10.950	0.4160	0.64	.Q	V	.	.	.
10.967	0.4169	0.65	.Q	V	.	.	.
10.983	0.4178	0.65	.Q	V	.	.	.
11.000	0.4187	0.65	.Q	V	.	.	.
11.017	0.4196	0.65	.Q	V	.	.	.
11.033	0.4205	0.65	.Q	V	.	.	.
11.050	0.4214	0.65	.Q	V	.	.	.
11.067	0.4223	0.65	.Q	V	.	.	.
11.083	0.4232	0.65	.Q	V	.	.	.
11.100	0.4241	0.66	.Q	V	.	.	.
11.117	0.4250	0.66	.Q	V	.	.	.
11.133	0.4259	0.66	.Q	V	.	.	.
11.150	0.4268	0.66	.Q	V	.	.	.
11.167	0.4277	0.66	.Q	V	.	.	.
11.183	0.4286	0.66	.Q	V	.	.	.
11.200	0.4295	0.66	.Q	V	.	.	.
11.217	0.4304	0.66	.Q	.V	.	.	.
11.233	0.4313	0.66	.Q	.V	.	.	.
11.250	0.4322	0.66	.Q	.V	.	.	.
11.267	0.4331	0.66	.Q	.V	.	.	.
11.283	0.4341	0.66	.Q	.V	.	.	.
11.300	0.4350	0.67	.Q	.V	.	.	.
11.317	0.4359	0.67	.Q	.V	.	.	.
11.333	0.4368	0.67	.Q	.V	.	.	.
11.350	0.4377	0.67	.Q	.V	.	.	.
11.367	0.4387	0.67	.Q	.V	.	.	.
11.383	0.4396	0.67	.Q	.V	.	.	.
11.400	0.4405	0.68	.Q	.V	.	.	.
11.417	0.4415	0.68	.Q	.V	.	.	.
11.433	0.4424	0.68	.Q	.V	.	.	.
11.450	0.4433	0.68	.Q	.V	.	.	.
11.467	0.4443	0.68	.Q	.V	.	.	.
11.483	0.4452	0.68	.Q	.V	.	.	.
11.500	0.4461	0.68	.Q	.V	.	.	.
11.517	0.4471	0.69	.Q	.V	.	.	.
11.533	0.4480	0.69	.Q	.V	.	.	.
11.550	0.4490	0.69	.Q	.V	.	.	.
11.567	0.4499	0.69	.Q	.V	.	.	.
11.583	0.4509	0.69	.Q	.V	.	.	.
11.600	0.4518	0.69	.Q	.V	.	.	.
11.617	0.4528	0.69	.Q	.V	.	.	.
11.633	0.4537	0.69	.Q	.V	.	.	.
11.650	0.4547	0.69	.Q	.V	.	.	.
11.667	0.4556	0.69	.Q	.V	.	.	.
11.683	0.4566	0.69	.Q	.V	.	.	.
11.700	0.4575	0.69	.Q	.V	.	.	.
11.717	0.4585	0.70	.Q	.V	.	.	.
11.733	0.4595	0.70	.Q	.V	.	.	.
11.750	0.4604	0.70	.Q	.V	.	.	.
11.767	0.4614	0.70	.Q	.V	.	.	.
11.783	0.4624	0.70	.Q	.V	.	.	.
11.800	0.4633	0.70	.Q	.V	.	.	.
11.817	0.4643	0.71	.Q	.V	.	.	.
11.833	0.4653	0.71	.Q	.V	.	.	.
11.850	0.4663	0.71	.Q	.V	.	.	.
11.867	0.4672	0.71	.Q	.V	.	.	.
11.883	0.4682	0.71	.Q	.V	.	.	.
11.900	0.4692	0.72	.Q	.V	.	.	.
11.917	0.4702	0.72	.Q	. V	.	.	.
11.933	0.4712	0.72	.Q	. V	.	.	.
11.950	0.4722	0.72	.Q	. V	.	.	.
11.967	0.4732	0.72	.Q	. V	.	.	.
11.983	0.4742	0.72	.Q	. V	.	.	.
12.000	0.4752	0.72	.Q	. V	.	.	.
12.017	0.4762	0.72	.Q	. V	.	.	.
12.033	0.4772	0.72	.Q	. V	.	.	.
12.050	0.4782	0.73	.Q	. V	.	.	.
12.067	0.4792	0.73	.Q	. V	.	.	.
12.083	0.4802	0.73	.Q	. V	.	.	.
12.100	0.4812	0.73	.Q	. V	.	.	.
12.117	0.4822	0.73	.Q	. V	.	.	.
12.133	0.4832	0.73	.Q	. V	.	.	.
12.150	0.4842	0.73	.Q	. V	.	.	.
12.167	0.4852	0.73	.Q	. V	.	.	.
12.183	0.4862	0.73	.Q	. V	.	.	.
12.200	0.4872	0.73	.Q	. V	.	.	.
12.217	0.4882	0.73	.Q	. V	.	.	.
12.233	0.4892	0.73	.Q	. V	.	.	.
12.250	0.4902	0.73	.Q	. V	.	.	.
12.267	0.4912	0.73	.Q	. V	.	.	.
12.283	0.4922	0.73	.Q	. V	.	.	.
12.300	0.4932	0.73	.Q	. V	.	.	.
12.317	0.4942	0.73	.Q	. V	.	.	.
12.333	0.4952	0.73	.Q	. V	.	.	.
12.350	0.4963	0.73	.Q	. V	.	.	.
12.367	0.4973	0.73	.Q	. V	.	.	.
12.383	0.4983	0.73	.Q	. V	.	.	.
12.400	0.4993	0.73	.Q	. V	.	.	.
12.417	0.5003	0.73	.Q	. V	.	.	.
12.433	0.5013	0.74	.Q	. V	.	.	.
12.450	0.5023	0.74	.Q	. V	.	.	.
12.467	0.5033	0.74	.Q	. V	.	.	.
12.483	0.5043	0.74	.Q	. V	.	.	.
12.500	0.5054	0.74	.Q	. V	.	.	.
12.517	0.5064	0.74	.Q	. V	.	.	.
12.533	0.5074	0.74	.Q	. V	.	.	.

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12.550      0.5084      0.74  .Q        .  V      .         .         .
12.567      0.5095      0.74  .Q        .  V      .         .         .
12.583      0.5105      0.75  .Q        .  V      .         .         .
12.600      0.5115      0.75  .Q        .  V      .         .         .
12.617      0.5126      0.75  .Q        .  V      .         .         .
12.633      0.5136      0.75  .Q        .  V      .         .         .
12.650      0.5146      0.76  .Q        .  V      .         .         .
12.667      0.5157      0.76  .Q        .  V      .         .         .
12.683      0.5167      0.76  .Q        .  V      .         .         .
12.700      0.5178      0.76  .Q        .  V      .         .         .
12.717      0.5188      0.77  .Q        .  V      .         .         .
12.733      0.5199      0.77  .Q        .  V      .         .         .
12.750      0.5210      0.77  .Q        .  V      .         .         .
12.767      0.5220      0.77  .Q        .  V      .         .         .
12.783      0.5231      0.78  .Q        .  V      .         .         .
12.800      0.5242      0.78  .Q        .  V      .         .         .
12.817      0.5253      0.78  .Q        .  V      .         .         .
12.833      0.5263      0.78  .Q        .  V      .         .         .
12.850      0.5274      0.78  .Q        .  V      .         .         .
12.867      0.5285      0.78  .Q        .  V      .         .         .
12.883      0.5296      0.79  .Q        .  V      .         .         .
12.900      0.5307      0.79  .Q        .  V      .         .         .
12.917      0.5317      0.79  .Q        .  V      .         .         .
12.933      0.5328      0.79  .Q        .  V      .         .         .
12.950      0.5339      0.79  .Q        .  V      .         .         .
12.967      0.5350      0.79  .Q        .  V      .         .         .
12.983      0.5361      0.79  .Q        .  V      .         .         .
13.000      0.5372      0.80  .Q        .  V      .         .         .
13.017      0.5383      0.80  .Q        .  V      .         .         .
13.033      0.5394      0.80  .Q        .  V      .         .         .
13.050      0.5405      0.80  .Q        .  V      .         .         .
13.067      0.5416      0.81  .Q        .  V      .         .         .
13.083      0.5427      0.81  .Q        .  V      .         .         .
13.100      0.5439      0.81  .Q        .  V      .         .         .
13.117      0.5450      0.82  .Q        .  V      .         .         .
13.133      0.5461      0.82  .Q        .  V      .         .         .
13.150      0.5472      0.82  .Q        .  V      .         .         .
13.167      0.5484      0.83  .Q        .   V     .         .         .
13.183      0.5495      0.83  .Q        .   V     .         .         .
13.200      0.5507      0.83  .Q        .   V     .         .         .
13.217      0.5518      0.84  .Q        .   V     .         .         .
13.233      0.5530      0.84  .Q        .   V     .         .         .
13.250      0.5541      0.84  .Q        .   V     .         .         .
13.267      0.5553      0.84  .Q        .   V     .         .         .
13.283      0.5565      0.84  .Q        .   V     .         .         .
13.300      0.5576      0.84  .Q        .   V     .         .         .
13.317      0.5588      0.85  .Q        .   V     .         .         .
13.333      0.5599      0.85  .Q        .   V     .         .         .
13.350      0.5611      0.85  .Q        .   V     .         .         .
13.367      0.5623      0.85  .Q        .   V     .         .         .
13.383      0.5635      0.85  .Q        .   V     .         .         .
13.400      0.5646      0.85  .Q        .   V     .         .         .
13.417      0.5658      0.86  .Q        .   V     .         .         .
13.433      0.5670      0.86  .Q        .   V     .         .         .
13.450      0.5682      0.86  .Q        .   V     .         .         .
13.467      0.5694      0.87  .Q        .   V     .         .         .
13.483      0.5706      0.87  .Q        .   V     .         .         .
13.500      0.5718      0.87  .Q        .   V     .         .         .
13.517      0.5730      0.88  .Q        .   V     .         .         .
13.533      0.5742      0.88  .Q        .   V     .         .         .
13.550      0.5754      0.89  .Q        .   V     .         .         .
13.567      0.5767      0.89  .Q        .   V     .         .         .
13.583      0.5779      0.89  .Q        .   V     .         .         .
13.600      0.5791      0.90  .Q        .   V     .         .         .
13.617      0.5804      0.90  .Q        .   V     .         .         .
13.633      0.5816      0.91  .Q        .   V     .         .         .
13.650      0.5829      0.91  .Q        .   V     .         .         .
13.667      0.5841      0.91  .Q        .   V     .         .         .
13.683      0.5854      0.91  .Q        .   V     .         .         .
13.700      0.5866      0.91  .Q        .    V    .         .         .
13.717      0.5879      0.92  .Q        .    V    .         .         .
13.733      0.5892      0.92  .Q        .    V    .         .         .
13.750      0.5904      0.92  .Q        .    V    .         .         .
13.767      0.5917      0.92  .Q        .    V    .         .         .
13.783      0.5930      0.93  .Q        .    V    .         .         .
13.800      0.5943      0.93  .Q        .    V    .         .         .
13.817      0.5955      0.93  .Q        .    V    .         .         .
13.833      0.5968      0.93  .Q        .    V    .         .         .
13.850      0.5981      0.93  .Q        .    V    .         .         .
13.867      0.5994      0.94  .Q        .    V    .         .         .
13.883      0.6007      0.94  .Q        .    V    .         .         .
13.900      0.6020      0.95  .Q        .    V    .         .         .
13.917      0.6033      0.95  .Q        .    V    .         .         .
13.933      0.6046      0.96  .Q        .    V    .         .         .
13.950      0.6060      0.96  .Q        .    V    .         .         .
13.967      0.6073      0.97  .Q        .    V    .         .         .
13.983      0.6086      0.97  .Q        .    V    .         .         .
14.000      0.6100      0.98  .Q        .    V    .         .         .
14.017      0.6114      0.98  .Q        .    V    .         .         .
14.033      0.6127      0.99  .Q        .    V    .         .         .
14.050      0.6141      0.99  .Q        .    V    .         .         .
14.067      0.6155      1.00  .Q        .    V    .         .         .
14.083      0.6168      1.00  .Q        .    V    .         .         .
14.100      0.6182      1.00  .Q        .    V    .         .         .
14.117      0.6196      1.00  .Q        .    V    .         .         .
14.133      0.6210      0.99  .Q        .    V    .         .         .
14.150      0.6223      0.99  .Q        .    V    .         .         .
14.167      0.6237      0.99  .Q        .    V    .         .         .
14.183      0.6250      0.99  .Q        .    V    .         .         .
14.200      0.6264      0.99  .Q        .     V   .         .         .
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14.217	0.6278	0.98	.Q	.	V	.	.	.	
14.233	0.6291	0.98	.Q	.	V	.	.	.	
14.250	0.6305	0.98	.Q	.	V	.	.	.	
14.267	0.6318	0.98	.Q	.	V	.	.	.	
14.283	0.6331	0.97	.Q	.	V	.	.	.	
14.300	0.6345	0.98	.Q	.	V	.	.	.	
14.317	0.6358	0.99	.Q	.	V	.	.	.	
14.333	0.6372	0.99	.Q	.	V	.	.	.	
14.350	0.6386	1.00	.Q	.	V	.	.	.	
14.367	0.6400	1.01	. Q	.	V	.	.	.	
14.383	0.6414	1.01	. Q	.	V	.	.	.	
14.400	0.6428	1.02	. Q	.	V	.	.	.	
14.417	0.6442	1.03	. Q	.	V	.	.	.	
14.433	0.6456	1.03	. Q	.	V	.	.	.	
14.450	0.6470	1.04	. Q	.	V	.	.	.	
14.467	0.6485	1.05	. Q	.	V	.	.	.	
14.483	0.6499	1.05	. Q	.	V	.	.	.	
14.500	0.6514	1.06	. Q	.	V	.	.	.	
14.517	0.6529	1.06	. Q	.	V	.	.	.	
14.533	0.6543	1.07	. Q	.	V	.	.	.	
14.550	0.6558	1.07	. Q	.	V	.	.	.	
14.567	0.6573	1.08	. Q	.	V	.	.	.	
14.583	0.6588	1.08	. Q	.	V	.	.	.	
14.600	0.6603	1.09	. Q	.	V	.	.	.	
14.617	0.6618	1.09	. Q	.	V	.	.	.	
14.633	0.6633	1.09	. Q	.	V	.	.	.	
14.650	0.6648	1.10	. Q	.	V	.	.	.	
14.667	0.6663	1.10	. Q	.	V	.	.	.	
14.683	0.6678	1.11	. Q	.	V	.	.	.	
14.700	0.6694	1.11	. Q	.	V	.	.	.	
14.717	0.6709	1.12	. Q	.	V	.	.	.	
14.733	0.6725	1.13	. Q	.	V	.	.	.	
14.750	0.6740	1.14	. Q	.	V	.	.	.	
14.767	0.6756	1.15	. Q	.	V	.	.	.	
14.783	0.6772	1.16	. Q	.	V	.	.	.	
14.800	0.6788	1.17	. Q	.	V	.	.	.	
14.817	0.6805	1.18	. Q	.	V	.	.	.	
14.833	0.6821	1.19	. Q	.	V	.	.	.	
14.850	0.6837	1.20	. Q	.	V	.	.	.	
14.867	0.6854	1.21	. Q	.	V	.	.	.	
14.883	0.6871	1.22	. Q	.	V	.	.	.	
14.900	0.6888	1.23	. Q	.	V	.	.	.	
14.917	0.6905	1.25	. Q	.	V	.	.	.	
14.933	0.6923	1.26	. Q	.	V	.	.	.	
14.950	0.6940	1.26	. Q	.	V	.	.	.	
14.967	0.6957	1.27	. Q	.	V	.	.	.	
14.983	0.6975	1.28	. Q	.	V	.	.	.	
15.000	0.6993	1.28	. Q	.	V	.	.	.	
15.017	0.7010	1.29	. Q	.	V	.	.	.	
15.033	0.7028	1.30	. Q	.	V	.	.	.	
15.050	0.7046	1.31	. Q	.	V	.	.	.	
15.067	0.7064	1.31	. Q	.	V	.	.	.	
15.083	0.7083	1.32	. Q	.	V	.	.	.	
15.100	0.7101	1.33	. Q	.	V	.	.	.	
15.117	0.7119	1.33	. Q	.	V	.	.	.	
15.133	0.7138	1.34	. Q	.	V	.	.	.	
15.150	0.7156	1.35	. Q	.	V	.	.	.	
15.167	0.7175	1.37	. Q	.	V	.	.	.	
15.183	0.7194	1.39	. Q	.	V	.	.	.	
15.200	0.7214	1.41	. Q	.	V	.	.	.	
15.217	0.7233	1.43	. Q	.	V	.	.	.	
15.233	0.7253	1.45	. Q	.	V	.	.	.	
15.250	0.7274	1.47	. Q	.	V	.	.	.	
15.267	0.7294	1.49	. Q	.	V	.	.	.	
15.283	0.7315	1.51	. Q	.	V	.	.	.	
15.300	0.7336	1.53	. Q	.	V	.	.	.	
15.317	0.7357	1.55	. Q	.	V	.	.	.	
15.333	0.7379	1.57	. Q	.	V	.	.	.	
15.350	0.7401	1.59	. Q	.	V	.	.	.	
15.367	0.7423	1.61	. Q	.	V	.	.	.	
15.383	0.7446	1.67	. Q	.	V.	.	.	.	
15.400	0.7469	1.72	. Q	.	V.	.	.	.	
15.417	0.7494	1.77	. Q	.	V.	.	.	.	
15.433	0.7519	1.82	. Q	.	V.	.	.	.	
15.450	0.7545	1.87	. Q	.	V.	.	.	.	
15.467	0.7571	1.92	. Q	.	V.	.	.	.	
15.483	0.7598	1.98	. Q	.	V.	.	.	.	
15.500	0.7626	2.03	. Q	.	V.	.	.	.	
15.517	0.7655	2.08	. Q	.	V.	.	.	.	
15.533	0.7684	2.13	. Q	.	V.	.	.	.	
15.550	0.7714	2.18	. Q	.	V.	.	.	.	
15.567	0.7745	2.23	. Q	.	V.	.	.	.	
15.583	0.7777	2.30	. Q	.	V.	.	.	.	
15.600	0.7810	2.38	. Q	.	V.	.	.	.	
15.617	0.7844	2.47	. Q	.	V	.	.	.	
15.633	0.7879	2.55	. Q	.	V	.	.	.	
15.650	0.7915	2.64	. Q	.	V	.	.	.	
15.667	0.7953	2.72	. Q	.	V	.	.	.	
15.683	0.7991	2.81	. Q	.	V	.	.	.	
15.700	0.8031	2.89	. Q	.	V	.	.	.	
15.717	0.8072	2.98	. Q	.	V	.	.	.	
15.733	0.8114	3.06	. Q	.	V	.	.	.	
15.750	0.8158	3.15	. Q	.	V	.	.	.	
15.767	0.8202	3.24	. Q	.	V	.	.	.	
15.783	0.8248	3.32	. Q	.	.V	.	.	.	
15.800	0.8295	3.40	. Q	.	.V	.	.	.	
15.817	0.8343	3.47	. Q	.	.V	.	.	.	
15.833	0.8391	3.53	. Q	.	.V	.	.	.	
15.850	0.8441	3.60	. Q	.	.V	.	.	.	
15.867	0.8491	3.67	. Q	.	.V	.	.	.	

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15.883     0.8543     3.73  .     Q  .        .V       .        .
15.900     0.8595     3.80  .     Q  .        .V       .        .
15.917     0.8648     3.87  .     Q  .        . V      .        .
15.933     0.8703     3.93  .     Q  .        . V      .        .
15.950     0.8758     4.00  .      Q .        . V      .        .
15.967     0.8814     4.07  .      Q .        . V      .        .
15.983     0.8871     4.14  .      Q .        . V      .        .
16.000     0.8929     4.20  .      Q .        . V      .        .
16.017     0.8991     4.51  .       Q.        . V      .        .
16.033     0.9060     5.06  .        Q        .  V     .        .
16.050     0.9138     5.61  .        .Q       .  V     .        .
16.067     0.9223     6.16  .        . Q      .  V     .        .
16.083     0.9315     6.71  .        .  Q     .  V     .        .
16.100     0.9415     7.26  .        .   Q    .   V    .        .
16.117     0.9523     7.81  .        .    Q   .   V    .        .
16.133     0.9638     8.36  .        .     Q  .   V    .        .
16.150     0.9761     8.91  .        .      Q .   V    .        .
16.167     0.9891     9.46  .        .       Q.    V   .        .
16.183     1.0029    10.01  .        .        Q    V   .        .
16.200     1.0174    10.56  .        .         .Q   V   .        .
16.217     1.0330    11.34  .        .         . Q  V   .        .
16.233     1.0481    10.95  .        .         .Q   V   .        .
16.250     1.0623    10.30  .        .         Q     V  .        .
16.267     1.0756     9.65  .        .        Q.     V  .        .
16.283     1.0880     8.99  .        .      Q  .     V  .        .
16.300     1.0995     8.34  .        .     Q   .      V .        .
16.317     1.1101     7.69  .        .    Q    .      V .        .
16.333     1.1198     7.03  .        .   Q     .      V .        .
16.350     1.1285     6.38  .        . Q       .      V .        .
16.367     1.1364     5.73  .        .Q        .       V.        .
16.383     1.1434     5.08  .        Q         .       V.        .
16.400     1.1495     4.42  .       Q .        .       V.        .
16.417     1.1547     3.77  .      Q  .        .       V.        .
16.433     1.1590     3.12  .     Q   .        .       V.        .
16.450     1.1629     2.83  .    Q    .        .       V.        .
16.467     1.1667     2.72  .    Q    .        .       V.        .
16.483     1.1702     2.61  .    Q    .        .       V.        .
16.500     1.1737     2.49  .   Q     .        .        V        .
16.517     1.1770     2.38  .   Q     .        .        V        .
16.533     1.1801     2.27  .   Q     .        .        V        .
16.550     1.1831     2.16  .   Q     .        .        V        .
16.567     1.1859     2.05  .   Q     .        .        V        .
16.583     1.1885     1.93  .  Q      .        .        V        .
16.600     1.1910     1.82  .  Q      .        .        V        .
16.617     1.1934     1.71  .  Q      .        .        V        .
16.633     1.1956     1.60  .  Q      .        .        V        .
16.650     1.1977     1.49  . Q       .        .        V        .
16.667     1.1996     1.44  . Q       .        .        V        .
16.683     1.2016     1.42  . Q       .        .        V        .
16.700     1.2035     1.40  . Q       .        .        V        .
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16.717     1.2054     1.38  . Q       .        .        V        .
16.733     1.2073     1.36  . Q       .        .        V        .
16.750     1.2091     1.33  . Q       .        .        V        .
16.767     1.2109     1.31  . Q       .        .        V        .
16.783     1.2127     1.29  . Q       .        .        .V       .
16.800     1.2145     1.27  . Q       .        .        .V       .
16.817     1.2162     1.25  . Q       .        .        .V       .
16.833     1.2179     1.23  . Q       .        .        .V       .
16.850     1.2195     1.20  . Q       .        .        .V       .
16.867     1.2212     1.18  . Q       .        .        .V       .
16.883     1.2228     1.17  . Q       .        .        .V       .
16.900     1.2244     1.16  . Q       .        .        .V       .
16.917     1.2259     1.14  . Q       .        .        .V       .
16.933     1.2275     1.13  . Q       .        .        .V       .
16.950     1.2290     1.12  . Q       .        .        .V       .
16.967     1.2306     1.10  . Q       .        .        .V       .
16.983     1.2321     1.09  . Q       .        .        .V       .
17.000     1.2335     1.08  . Q       .        .        .V       .
17.017     1.2350     1.07  . Q       .        .        .V       .
17.033     1.2365     1.05  . Q       .        .        .V       .
17.050     1.2379     1.04  . Q       .        .        .V       .
17.067     1.2393     1.03  . Q       .        .        .V       .
17.083     1.2407     1.01  . Q       .        .        .V       .
17.100     1.2421     1.01  . Q       .        .        .V       .
17.117     1.2435     1.01  . Q       .        .        .V       .
17.133     1.2449     1.00  . Q       .        .        .V       .
17.150     1.2462     1.00  .Q        .        .        .V       .
17.167     1.2476     1.00  .Q        .        .        .V       .
17.183     1.2490     0.99  .Q        .        .        .V       .
17.200     1.2503     0.99  .Q        .        .        .V       .
17.217     1.2517     0.98  .Q        .        .        . V      .
17.233     1.2530     0.98  .Q        .        .        . V      .
17.250     1.2544     0.98  .Q        .        .        . V      .
17.267     1.2557     0.97  .Q        .        .        . V      .
17.283     1.2571     0.97  .Q        .        .        . V      .
17.300     1.2584     0.97  .Q        .        .        . V      .
17.317     1.2597     0.96  .Q        .        .        . V      .
17.333     1.2610     0.95  .Q        .        .        . V      .
17.350     1.2623     0.95  .Q        .        .        . V      .
17.367     1.2636     0.94  .Q        .        .        . V      .
17.383     1.2649     0.93  .Q        .        .        . V      .
17.400     1.2662     0.93  .Q        .        .        . V      .
17.417     1.2674     0.92  .Q        .        .        . V      .
17.433     1.2687     0.91  .Q        .        .        . V      .
17.450     1.2700     0.91  .Q        .        .        . V      .
17.467     1.2712     0.90  .Q        .        .        . V      .
17.483     1.2724     0.89  .Q        .        .        . V      .
17.500     1.2736     0.89  .Q        .        .        . V      .
17.517     1.2749     0.88  .Q        .        .        . V      .
17.533     1.2761     0.88  .Q        .        .        . V      .
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17.550     1.2773     0.87  .Q       .        .        . V      .
17.567     1.2785     0.86  .Q       .        .        . V      .
17.583     1.2796     0.86  .Q       .        .        . V      .
17.600     1.2808     0.85  .Q       .        .        . V      .
17.617     1.2820     0.85  .Q       .        .        . V      .
17.633     1.2831     0.84  .Q       .        .        . V      .
17.650     1.2843     0.84  .Q       .        .        . V      .
17.667     1.2855     0.83  .Q       .        .        . V      .
17.683     1.2866     0.83  .Q       .        .        . V      .
17.700     1.2877     0.82  .Q       .        .        . V      .
17.717     1.2889     0.82  .Q       .        .        . V      .
17.733     1.2900     0.81  .Q       .        .        . V      .
17.750     1.2911     0.81  .Q       .        .        .  V     .
17.767     1.2922     0.80  .Q       .        .        .  V     .
17.783     1.2933     0.80  .Q       .        .        .  V     .
17.800     1.2944     0.80  .Q       .        .        .  V     .
17.817     1.2955     0.79  .Q       .        .        .  V     .
17.833     1.2966     0.79  .Q       .        .        .  V     .
17.850     1.2977     0.78  .Q       .        .        .  V     .
17.867     1.2987     0.78  .Q       .        .        .  V     .
17.883     1.2998     0.78  .Q       .        .        .  V     .
17.900     1.3009     0.77  .Q       .        .        .  V     .
17.917     1.3019     0.77  .Q       .        .        .  V     .
17.933     1.3030     0.76  .Q       .        .        .  V     .
17.950     1.3040     0.76  .Q       .        .        .  V     .
17.967     1.3051     0.76  .Q       .        .        .  V     .
17.983     1.3061     0.75  .Q       .        .        .  V     .
18.000     1.3071     0.75  .Q       .        .        .  V     .
18.017     1.3082     0.75  .Q       .        .        .  V     .
18.033     1.3092     0.74  .Q       .        .        .  V     .
18.050     1.3102     0.74  .Q       .        .        .  V     .
18.067     1.3112     0.74  .Q       .        .        .  V     .
18.083     1.3122     0.73  .Q       .        .        .  V     .
18.100     1.3132     0.73  .Q       .        .        .  V     .
18.117     1.3142     0.73  .Q       .        .        .  V     .
18.133     1.3152     0.72  .Q       .        .        .  V     .
18.150     1.3162     0.72  .Q       .        .        .  V     .
18.167     1.3172     0.72  .Q       .        .        .  V     .
18.183     1.3182     0.72  .Q       .        .        .  V     .
18.200     1.3192     0.72  .Q       .        .        .  V     .
18.217     1.3202     0.72  .Q       .        .        .  V     .
18.233     1.3211     0.71  .Q       .        .        .  V     .
18.250     1.3221     0.71  .Q       .        .        .  V     .
18.267     1.3231     0.71  .Q       .        .        .  V     .
18.283     1.3241     0.71  .Q       .        .        .  V     .
18.300     1.3251     0.71  .Q       .        .        .  V     .
18.317     1.3260     0.71  .Q       .        .        .  V     .
18.333     1.3270     0.71  .Q       .        .        .  V     .
18.350     1.3280     0.71  .Q       .        .        .  V     .
18.367     1.3290     0.71  .Q       .        .        .  V     .
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18.383     1.3299     0.70  .Q       .        .        .  V     .
18.400     1.3309     0.70  .Q       .        .        .  V     .
18.417     1.3319     0.70  .Q       .        .        .  V     .
18.433     1.3328     0.70  .Q       .        .        .  V     .
18.450     1.3338     0.69  .Q       .        .        .  V     .
18.467     1.3347     0.69  .Q       .        .        .  V     .
18.483     1.3357     0.69  .Q       .        .        .  V     .
18.500     1.3366     0.69  .Q       .        .        .  V     .
18.517     1.3376     0.68  .Q       .        .        .  V     .
18.533     1.3385     0.68  .Q       .        .        .  V     .
18.550     1.3395     0.68  .Q       .        .        .  V     .
18.567     1.3404     0.68  .Q       .        .        .  V     .
18.583     1.3413     0.67  .Q       .        .        .  V     .
18.600     1.3422     0.67  .Q       .        .        .  V     .
18.617     1.3432     0.67  .Q       .        .        .  V     .
18.633     1.3441     0.67  .Q       .        .        .  V     .
18.650     1.3450     0.67  .Q       .        .        .  V     .
18.667     1.3459     0.66  .Q       .        .        .  V     .
18.683     1.3468     0.66  .Q       .        .        .  V     .
18.700     1.3477     0.66  .Q       .        .        .  V     .
18.717     1.3486     0.66  .Q       .        .        .  V     .
18.733     1.3495     0.65  .Q       .        .        .  V     .
18.750     1.3504     0.65  .Q       .        .        .  V     .
18.767     1.3513     0.65  .Q       .        .        .  V     .
18.783     1.3522     0.65  .Q       .        .        .  V     .
18.800     1.3531     0.65  .Q       .        .        .  V     .
18.817     1.3540     0.64  .Q       .        .        .  V     .
18.833     1.3549     0.64  .Q       .        .        .  V     .
18.850     1.3558     0.64  .Q       .        .        .  V     .
18.867     1.3566     0.64  .Q       .        .        .  V     .
18.883     1.3575     0.64  .Q       .        .        .  V     .
18.900     1.3584     0.63  .Q       .        .        .  V     .
18.917     1.3593     0.63  .Q       .        .        .  V     .
18.933     1.3601     0.63  .Q       .        .        .  V     .
18.950     1.3610     0.63  .Q       .        .        .  V     .
18.967     1.3619     0.63  .Q       .        .        .  V     .
18.983     1.3627     0.62  .Q       .        .        .  V     .
19.000     1.3636     0.62  .Q       .        .        .  V     .
19.017     1.3644     0.62  .Q       .        .        .  V     .
19.033     1.3653     0.62  .Q       .        .        .  V     .
19.050     1.3661     0.62  .Q       .        .        .  V     .
19.067     1.3670     0.61  .Q       .        .        .  V     .
19.083     1.3678     0.61  .Q       .        .        .  V     .
19.100     1.3687     0.61  .Q       .        .        .   V    .
19.117     1.3695     0.61  .Q       .        .        .   V    .
19.133     1.3703     0.61  .Q       .        .        .   V    .
19.150     1.3712     0.61  .Q       .        .        .   V    .
19.167     1.3720     0.60  .Q       .        .        .   V    .
19.183     1.3728     0.60  .Q       .        .        .   V    .
19.200     1.3737     0.60  .Q       .        .        .   V    .
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19.217	1.3745	0.60	.Q	.	.	.	V	.
19.233	1.3753	0.60	.Q	.	.	.	V	.
19.250	1.3761	0.60	.Q	.	.	.	V	.
19.267	1.3769	0.59	.Q	.	.	.	V	.
19.283	1.3778	0.59	.Q	.	.	.	V	.
19.300	1.3786	0.59	.Q	.	.	.	V	.
19.317	1.3794	0.59	.Q	.	.	.	V	.
19.333	1.3802	0.59	.Q	.	.	.	V	.
19.350	1.3810	0.59	.Q	.	.	.	V	.
19.367	1.3818	0.58	.Q	.	.	.	V	.
19.383	1.3826	0.58	.Q	.	.	.	V	.
19.400	1.3834	0.58	.Q	.	.	.	V	.
19.417	1.3842	0.58	.Q	.	.	.	V	.
19.433	1.3850	0.58	.Q	.	.	.	V	.
19.450	1.3858	0.58	.Q	.	.	.	V	.
19.467	1.3866	0.58	.Q	.	.	.	V	.
19.483	1.3874	0.57	.Q	.	.	.	V	.
19.500	1.3882	0.57	.Q	.	.	.	V	.
19.517	1.3890	0.57	.Q	.	.	.	V	.
19.533	1.3897	0.57	.Q	.	.	.	V	.
19.550	1.3905	0.57	.Q	.	.	.	V	.
19.567	1.3913	0.57	.Q	.	.	.	V	.
19.583	1.3921	0.57	.Q	.	.	.	V	.
19.600	1.3929	0.56	.Q	.	.	.	V	.
19.617	1.3936	0.56	.Q	.	.	.	V	.
19.633	1.3944	0.56	.Q	.	.	.	V	.
19.650	1.3952	0.56	.Q	.	.	.	V	.
19.667	1.3959	0.56	.Q	.	.	.	V	.
19.683	1.3967	0.56	.Q	.	.	.	V	.
19.700	1.3975	0.56	.Q	.	.	.	V	.
19.717	1.3982	0.55	.Q	.	.	.	V	.
19.733	1.3990	0.55	.Q	.	.	.	V	.
19.750	1.3998	0.55	.Q	.	.	.	V	.
19.767	1.4005	0.55	.Q	.	.	.	V	.
19.783	1.4013	0.55	.Q	.	.	.	V	.
19.800	1.4020	0.55	.Q	.	.	.	V	.
19.817	1.4028	0.55	.Q	.	.	.	V	.
19.833	1.4035	0.55	.Q	.	.	.	V	.
19.850	1.4043	0.54	.Q	.	.	.	V	.
19.867	1.4050	0.54	.Q	.	.	.	V	.
19.883	1.4058	0.54	.Q	.	.	.	V	.
19.900	1.4065	0.54	.Q	.	.	.	V	.
19.917	1.4073	0.54	.Q	.	.	.	V	.
19.933	1.4080	0.54	.Q	.	.	.	V	.
19.950	1.4087	0.54	.Q	.	.	.	V	.
19.967	1.4095	0.54	.Q	.	.	.	V	.
19.983	1.4102	0.53	.Q	.	.	.	V	.
20.000	1.4110	0.53	.Q	.	.	.	V	.
20.017	1.4117	0.53	.Q	.	.	.	V	.
20.033	1.4124	0.53	.Q	.	.	.	V	.
20.050	1.4131	0.53	.Q	.	.	.	V	.
20.067	1.4139	0.53	.Q	.	.	.	V	.
20.083	1.4146	0.53	.Q	.	.	.	V	.
20.100	1.4153	0.53	.Q	.	.	.	V	.
20.117	1.4160	0.52	.Q	.	.	.	V	.
20.133	1.4168	0.52	.Q	.	.	.	V	.
20.150	1.4175	0.52	.Q	.	.	.	V	.
20.167	1.4182	0.52	.Q	.	.	.	V	.
20.183	1.4189	0.52	.Q	.	.	.	V	.
20.200	1.4196	0.52	.Q	.	.	.	V	.
20.217	1.4204	0.52	.Q	.	.	.	V	.
20.233	1.4211	0.52	.Q	.	.	.	V	.
20.250	1.4218	0.52	.Q	.	.	.	V	.
20.267	1.4225	0.52	.Q	.	.	.	V	.
20.283	1.4232	0.51	.Q	.	.	.	V	.
20.300	1.4239	0.51	.Q	.	.	.	V	.
20.317	1.4246	0.51	.Q	.	.	.	V	.
20.333	1.4253	0.51	.Q	.	.	.	V	.
20.350	1.4260	0.51	.Q	.	.	.	V	.
20.367	1.4267	0.51	.Q	.	.	.	V	.
20.383	1.4274	0.51	.Q	.	.	.	V	.
20.400	1.4281	0.51	.Q	.	.	.	V	.
20.417	1.4288	0.51	.Q	.	.	.	V	.
20.433	1.4295	0.50	.Q	.	.	.	V	.
20.450	1.4302	0.50	.Q	.	.	.	V	.
20.467	1.4309	0.50	.Q	.	.	.	V	.
20.483	1.4316	0.50	.Q	.	.	.	V	.
20.500	1.4323	0.50	.Q	.	.	.	V	.
20.517	1.4330	0.50	Q	.	.	.	V	.
20.533	1.4336	0.50	Q	.	.	.	V	.
20.550	1.4343	0.50	Q	.	.	.	V	.
20.567	1.4350	0.50	Q	.	.	.	V	.
20.583	1.4357	0.50	Q	.	.	.	V	.
20.600	1.4364	0.50	Q	.	.	.	V	.
20.617	1.4371	0.49	Q	.	.	.	V	.
20.633	1.4377	0.49	Q	.	.	.	V	.
20.650	1.4384	0.49	Q	.	.	.	V	.
20.667	1.4391	0.49	Q	.	.	.	V	.
20.683	1.4398	0.49	Q	.	.	.	V	.
20.700	1.4404	0.49	Q	.	.	.	V	.
20.717	1.4411	0.49	Q	.	.	.	V	.
20.733	1.4418	0.49	Q	.	.	.	V	.
20.750	1.4425	0.49	Q	.	.	.	V	.
20.767	1.4431	0.49	Q	.	.	.	V	.
20.783	1.4438	0.48	Q	.	.	.	V	.
20.800	1.4445	0.48	Q	.	.	.	V	.
20.817	1.4451	0.48	Q	.	.	.	V	.
20.833	1.4458	0.48	Q	.	.	.	V	.
20.850	1.4465	0.48	Q	.	.	.	V	.
20.867	1.4471	0.48	Q	.	.	.	V	.

20.883	1.4478	0.48	Q	.	.	.	V	.
20.900	1.4484	0.48	Q	.	.	.	V	.
20.917	1.4491	0.48	Q	.	.	.	V	.
20.933	1.4498	0.48	Q	.	.	.	V	.
20.950	1.4504	0.48	Q	.	.	.	V	.
20.967	1.4511	0.48	Q	.	.	.	V	.
20.983	1.4517	0.47	Q	.	.	.	V	.
21.000	1.4524	0.47	Q	.	.	.	V	.
21.017	1.4530	0.47	Q	.	.	.	V	.
21.033	1.4537	0.47	Q	.	.	.	V	.
21.050	1.4543	0.47	Q	.	.	.	V	.
21.067	1.4550	0.47	Q	.	.	.	V	.
21.083	1.4556	0.47	Q	.	.	.	V	.
21.100	1.4563	0.47	Q	.	.	.	V	.
21.117	1.4569	0.47	Q	.	.	.	V	.
21.133	1.4576	0.47	Q	.	.	.	V	.
21.150	1.4582	0.47	Q	.	.	.	V	.
21.167	1.4588	0.47	Q	.	.	.	V	.
21.183	1.4595	0.46	Q	.	.	.	V	.
21.200	1.4601	0.46	Q	.	.	.	V	.
21.217	1.4608	0.46	Q	.	.	.	V	.
21.233	1.4614	0.46	Q	.	.	.	V	.
21.250	1.4620	0.46	Q	.	.	.	V	.
21.267	1.4627	0.46	Q	.	.	.	V	.
21.283	1.4633	0.46	Q	.	.	.	V	.
21.300	1.4639	0.46	Q	.	.	.	V	.
21.317	1.4646	0.46	Q	.	.	.	V	.
21.333	1.4652	0.46	Q	.	.	.	V	.
21.350	1.4658	0.46	Q	.	.	.	V	.
21.367	1.4664	0.46	Q	.	.	.	V	.
21.383	1.4671	0.46	Q	.	.	.	V	.
21.400	1.4677	0.45	Q	.	.	.	V	.
21.417	1.4683	0.45	Q	.	.	.	V	.
21.433	1.4690	0.45	Q	.	.	.	V	.
21.450	1.4696	0.45	Q	.	.	.	V	.
21.467	1.4702	0.45	Q	.	.	.	V	.
21.483	1.4708	0.45	Q	.	.	.	V	.
21.500	1.4714	0.45	Q	.	.	.	V	.
21.517	1.4721	0.45	Q	.	.	.	V	.
21.533	1.4727	0.45	Q	.	.	.	V	.
21.550	1.4733	0.45	Q	.	.	.	V	.
21.567	1.4739	0.45	Q	.	.	.	V	.
21.583	1.4745	0.45	Q	.	.	.	V	.
21.600	1.4751	0.45	Q	.	.	.	V	.
21.617	1.4758	0.45	Q	.	.	.	V	.
21.633	1.4764	0.44	Q	.	.	.	V	.
21.650	1.4770	0.44	Q	.	.	.	V	.
21.667	1.4776	0.44	Q	.	.	.	V	.
21.683	1.4782	0.44	Q	.	.	.	V	.
21.700	1.4788	0.44	Q	.	.	.	V	.
21.717	1.4794	0.44	Q	.	.	.	V	.
21.733	1.4800	0.44	Q	.	.	.	V	.
21.750	1.4806	0.44	Q	.	.	.	V	.
21.767	1.4812	0.44	Q	.	.	.	V	.
21.783	1.4818	0.44	Q	.	.	.	V	.
21.800	1.4825	0.44	Q	.	.	.	V	.
21.817	1.4831	0.44	Q	.	.	.	V	.
21.833	1.4837	0.44	Q	.	.	.	V	.
21.850	1.4843	0.44	Q	.	.	.	V	.
21.867	1.4849	0.44	Q	.	.	.	V	.
21.883	1.4855	0.44	Q	.	.	.	V	.
21.900	1.4861	0.43	Q	.	.	.	V	.
21.917	1.4867	0.43	Q	.	.	.	V	.
21.933	1.4872	0.43	Q	.	.	.	V	.
21.950	1.4878	0.43	Q	.	.	.	V	.
21.967	1.4884	0.43	Q	.	.	.	V	.
21.983	1.4890	0.43	Q	.	.	.	V	.
22.000	1.4896	0.43	Q	.	.	.	V	.
22.017	1.4902	0.43	Q	.	.	.	V	.
22.033	1.4908	0.43	Q	.	.	.	V	.
22.050	1.4914	0.43	Q	.	.	.	V	.
22.067	1.4920	0.43	Q	.	.	.	V	.
22.083	1.4926	0.43	Q	.	.	.	V	.
22.100	1.4932	0.43	Q	.	.	.	V	.
22.117	1.4938	0.43	Q	.	.	.	V	.
22.133	1.4943	0.43	Q	.	.	.	V	.
22.150	1.4949	0.43	Q	.	.	.	V	.
22.167	1.4955	0.42	Q	.	.	.	V	.
22.183	1.4961	0.42	Q	.	.	.	V	.
22.200	1.4967	0.42	Q	.	.	.	V	.
22.217	1.4973	0.42	Q	.	.	.	V	.
22.233	1.4978	0.42	Q	.	.	.	V	.
22.250	1.4984	0.42	Q	.	.	.	V	.
22.267	1.4990	0.42	Q	.	.	.	V	.
22.283	1.4996	0.42	Q	.	.	.	V	.
22.300	1.5002	0.42	Q	.	.	.	V	.
22.317	1.5007	0.42	Q	.	.	.	V	.
22.333	1.5013	0.42	Q	.	.	.	V	.
22.350	1.5019	0.42	Q	.	.	.	V	.
22.367	1.5025	0.42	Q	.	.	.	V	.
22.383	1.5030	0.42	Q	.	.	.	V	.
22.400	1.5036	0.42	Q	.	.	.	V	.
22.417	1.5042	0.42	Q	.	.	.	V	.
22.433	1.5048	0.42	Q	.	.	.	V	.
22.450	1.5053	0.41	Q	.	.	.	V	.
22.467	1.5059	0.41	Q	.	.	.	V	.
22.483	1.5065	0.41	Q	.	.	.	V	.
22.500	1.5070	0.41	Q	.	.	.	V	.
22.517	1.5076	0.41	Q	.	.	.	V	.
22.533	1.5082	0.41	Q	.	.	.	V	.

22.550	1.5087	0.41	Q	.	.	.	V .
22.567	1.5093	0.41	Q	.	.	.	V .
22.583	1.5099	0.41	Q	.	.	.	V .
22.600	1.5104	0.41	Q	.	.	.	V .
22.617	1.5110	0.41	Q	.	.	.	V .
22.633	1.5116	0.41	Q	.	.	.	V .
22.650	1.5121	0.41	Q	.	.	.	V .
22.667	1.5127	0.41	Q	.	.	.	V .
22.683	1.5132	0.41	Q	.	.	.	V .
22.700	1.5138	0.41	Q	.	.	.	V .
22.717	1.5144	0.41	Q	.	.	.	V .
22.733	1.5149	0.41	Q	.	.	.	V .
22.750	1.5155	0.40	Q	.	.	.	V .
22.767	1.5160	0.40	Q	.	.	.	V .
22.783	1.5166	0.40	Q	.	.	.	V .
22.800	1.5171	0.40	Q	.	.	.	V .
22.817	1.5177	0.40	Q	.	.	.	V .
22.833	1.5183	0.40	Q	.	.	.	V .
22.850	1.5188	0.40	Q	.	.	.	V .
22.867	1.5194	0.40	Q	.	.	.	V .
22.883	1.5199	0.40	Q	.	.	.	V .
22.900	1.5205	0.40	Q	.	.	.	V .
22.917	1.5210	0.40	Q	.	.	.	V .
22.933	1.5216	0.40	Q	.	.	.	V .
22.950	1.5221	0.40	Q	.	.	.	V .
22.967	1.5227	0.40	Q	.	.	.	V .
22.983	1.5232	0.40	Q	.	.	.	V .
23.000	1.5238	0.40	Q	.	.	.	V .
23.017	1.5243	0.40	Q	.	.	.	V .
23.033	1.5249	0.40	Q	.	.	.	V .
23.050	1.5254	0.40	Q	.	.	.	V.
23.067	1.5259	0.40	Q	.	.	.	V.
23.083	1.5265	0.39	Q	.	.	.	V.
23.100	1.5270	0.39	Q	.	.	.	V.
23.117	1.5276	0.39	Q	.	.	.	V.
23.133	1.5281	0.39	Q	.	.	.	V.
23.150	1.5287	0.39	Q	.	.	.	V.
23.167	1.5292	0.39	Q	.	.	.	V.
23.183	1.5297	0.39	Q	.	.	.	V.
23.200	1.5303	0.39	Q	.	.	.	V.
23.217	1.5308	0.39	Q	.	.	.	V.
23.233	1.5313	0.39	Q	.	.	.	V.
23.250	1.5319	0.39	Q	.	.	.	V.
23.267	1.5324	0.39	Q	.	.	.	V.
23.283	1.5330	0.39	Q	.	.	.	V.
23.300	1.5335	0.39	Q	.	.	.	V.
23.317	1.5340	0.39	Q	.	.	.	V.
23.333	1.5346	0.39	Q	.	.	.	V.
23.350	1.5351	0.39	Q	.	.	.	V.
23.367	1.5356	0.39	Q	.	.	.	V.
23.383	1.5362	0.39	Q	.	.	.	V.
23.400	1.5367	0.39	Q	.	.	.	V.
23.417	1.5372	0.39	Q	.	.	.	V.
23.433	1.5378	0.39	Q	.	.	.	V.
23.450	1.5383	0.38	Q	.	.	.	V.
23.467	1.5388	0.38	Q	.	.	.	V.
23.483	1.5393	0.38	Q	.	.	.	V.
23.500	1.5399	0.38	Q	.	.	.	V.
23.517	1.5404	0.38	Q	.	.	.	V.
23.533	1.5409	0.38	Q	.	.	.	V.
23.550	1.5415	0.38	Q	.	.	.	V.
23.567	1.5420	0.38	Q	.	.	.	V.
23.583	1.5425	0.38	Q	.	.	.	V.
23.600	1.5430	0.38	Q	.	.	.	V.
23.617	1.5436	0.38	Q	.	.	.	V.
23.633	1.5441	0.38	Q	.	.	.	V.
23.650	1.5446	0.38	Q	.	.	.	V.
23.667	1.5451	0.38	Q	.	.	.	V.
23.683	1.5456	0.38	Q	.	.	.	V.
23.700	1.5462	0.38	Q	.	.	.	V.
23.717	1.5467	0.38	Q	.	.	.	V.
23.733	1.5472	0.38	Q	.	.	.	V.
23.750	1.5477	0.38	Q	.	.	.	V.
23.767	1.5482	0.38	Q	.	.	.	V.
23.783	1.5488	0.38	Q	.	.	.	V.
23.800	1.5493	0.38	Q	.	.	.	V.
23.817	1.5498	0.38	Q	.	.	.	V.
23.833	1.5503	0.37	Q	.	.	.	V.
23.850	1.5508	0.37	Q	.	.	.	V.
23.867	1.5513	0.37	Q	.	.	.	V.
23.883	1.5519	0.37	Q	.	.	.	V.
23.900	1.5524	0.37	Q	.	.	.	V.
23.917	1.5529	0.37	Q	.	.	.	V.
23.933	1.5534	0.37	Q	.	.	.	V.
23.950	1.5539	0.37	Q	.	.	.	V.
23.967	1.5544	0.37	Q	.	.	.	V.
23.983	1.5549	0.37	Q	.	.	.	V.
24.000	1.5554	0.37	Q	.	.	.	V.

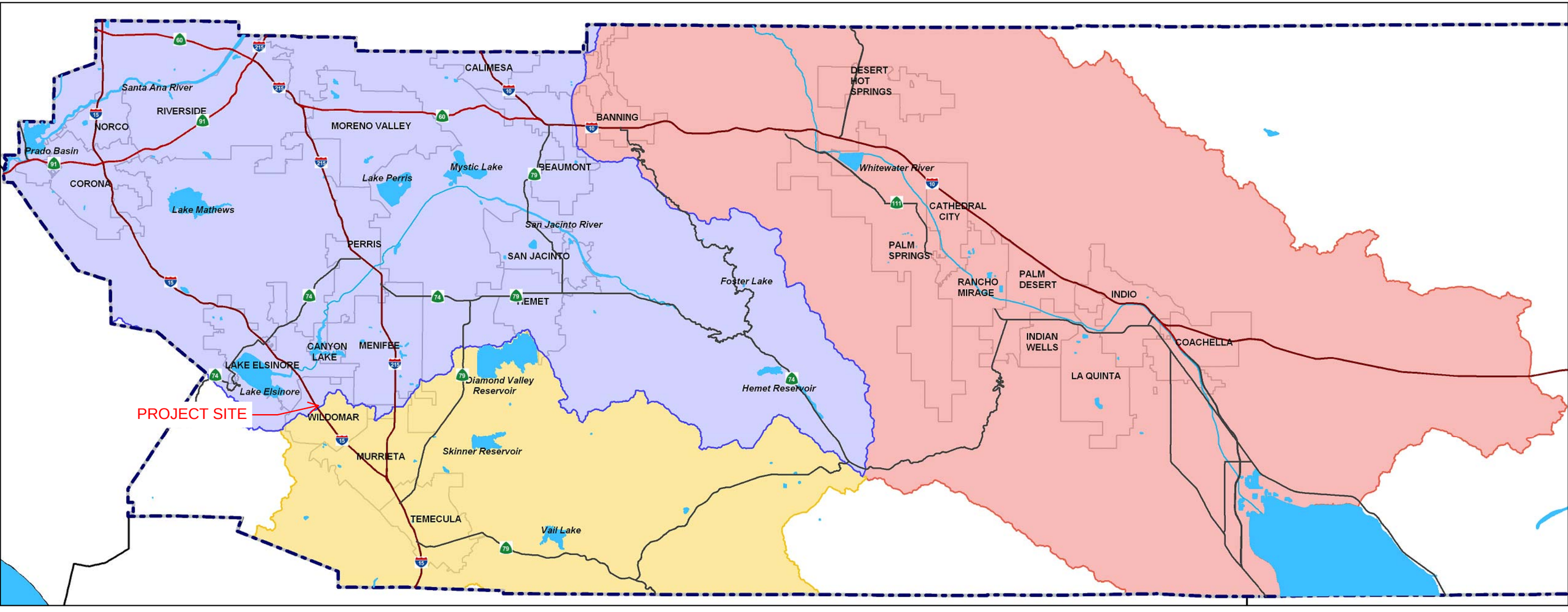
TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1441.0
10%	655.0
20%	290.0
30%	185.0

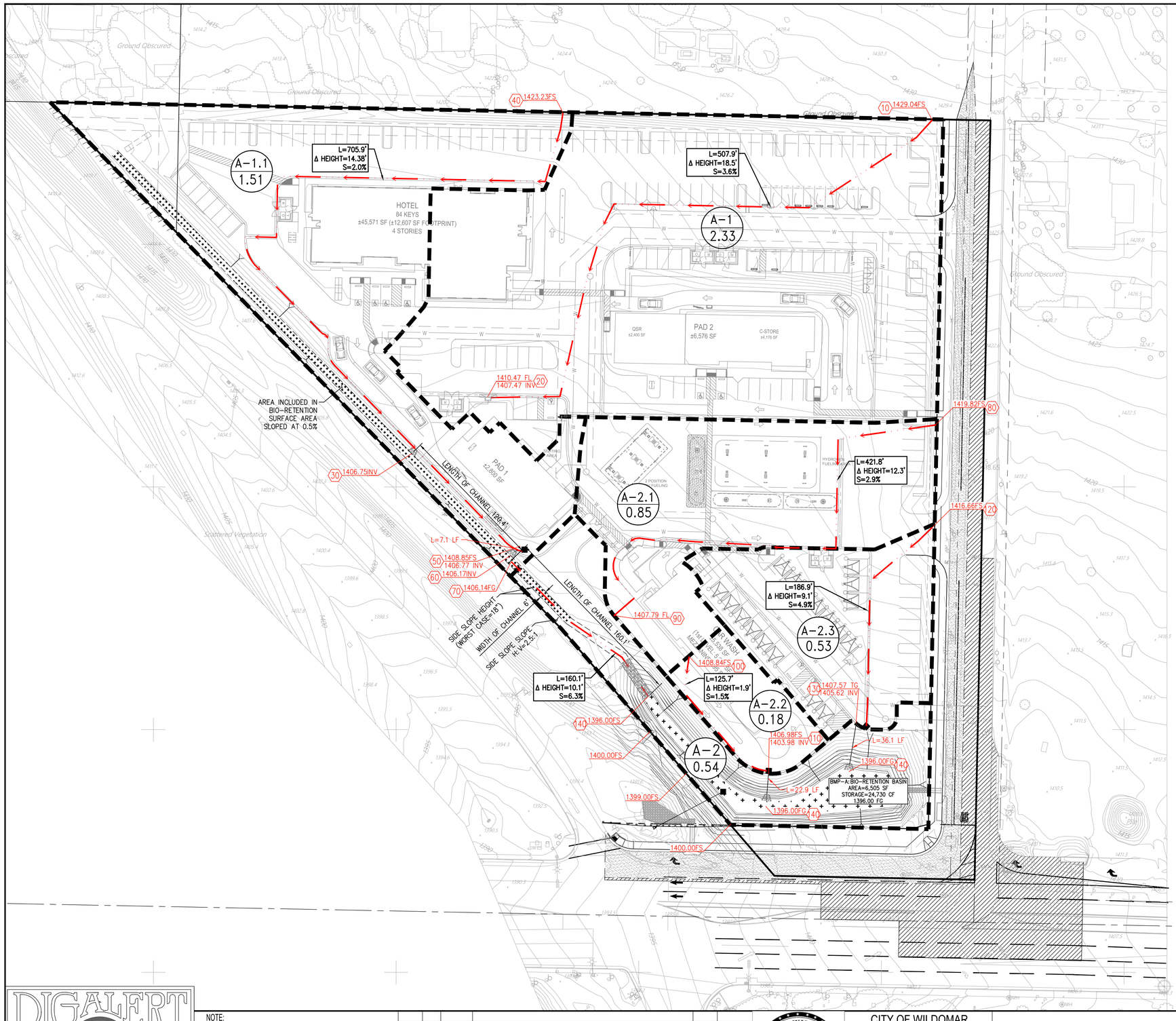
40%	110.0
50%	95.0
60%	75.0
70%	55.0
80%	35.0
90%	20.0

END OF FLOODSCx ROUTING ANALYSIS

Appendix D – Watershed Map


CALIMESA
DESERT HOT SPRINGS
Santa Ana River
RIVERSIDE
NORCO
MORENO VALLEY
BANNING
Prado Basin
Mystic Lake
BEAUMONT
Whitewater River
CORONA
Lake Perris
Lake Mathews
CATHEDRAL CITY
San Jacinto River
PERRIS
SAN JACINTO
PALM SPRINGS
Foster Lake
RANCHO MIRAGE
PALM DESERT
INDIO
HEMET
INDIAN WELLS
COACHELLA
CANYON LAKE
MENIFEE
LA QUINTA
LAKE ELSINORE
Diamond Valley Reservoir
Hemet Reservoir
Lake Elsinore
PROJECT SITE
WILDOMAR
MURRIETA
Skinner Reservoir
TEMECULA
Vail Lake

Appendix E – Proposed Hydrology Calculations



LEGEND:

- FLOWLINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DRAINAGE SUB-AREA BOUNDARY
- XX — AREA ID
- X.XX AC — AREA (AC)
- (XX) — NODE #
- FS — FINISHED SURFACE
- INV — INVERT

DETENTION BASIN SUMMARY

BMP-#	EXISTING PEAK FLOW 100-YR STORM (CFS)	PROPOSED PEAK FLOW 100-YR STORM (CFS)	MITIGATED PEAK FLOW 100-YR STORM (CFS)	DESIGN STORAGE VOLUME (CF)
BMP-A	8.01	13.15	5.20	24,730

N

0 40' 80'

SCALE: 1" = 40'

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NOTE:

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the design hereon. In the event of discrepancies arising after city acceptance or during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for acceptance by the city.

MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR

ACCEPTED BY:

Date:

Daniel A. York, Director of Public Works/ City Engineer, PE 43212

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

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BENCHMARK:
Elevation = _____
Datum = _____
BENCHMARK # _____

THIS SURVEY WAS PERFORMED ON (date) BY (surveyor)
L.S. (number), EXP. (date)

SCALE:
H: As Noted V: As Noted

(PP, CUP, PM, TM, etc.) (city project number)

CITY OF WILDOMAR

PROPOSED HYDROLOGY MAP
CHERRY OUTPOST IN THE CITY OF WILDOMAR, RIVERSIDE COUNTY

SHEET No. 1

OF 1 SHTS

```
************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                    (RCFC&WCD)  1978 HYDROLOGY MANUAL
         (c) Copyright 1982-2016 Advanced Engineering Software (aes)
                    (Rational Tabling Version 23.0)
                Release Date: 07/01/2016  License ID 1334

                        Analysis prepared by:




 ************************* DESCRIPTION OF STUDY *************************
* SP8997 - WILDOMAR CHERRY OUTPOST                                      *
* PROPOSED CONDITION RATIONAL METHOD                                    *
* 100-YEAR STORM EVENT                                                  *
 ************************************************************************

  FILE NAME: 100YRPR.DAT
  TIME/DATE OF STUDY: 15:04 04/30/2024
------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   6.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.01
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  1.600
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.786
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.680
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.310
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.3967061
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.3994898
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.310
  SLOPE OF INTENSITY DURATION CURVE = 0.3995
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: COMPUTE CONFLUENCE VALUES ACCORDING TO RCFC&WCD HYDROLOGY MANUAL
        AND IGNORE OTHER CONFLUENCE COMBINATIONS FOR DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  ================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     20.00 IS CODE =  21
------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
========================================================================
        ASSUMED INITIAL SUBAREA UNIFORM
        DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   507.90
  UPSTREAM ELEVATION(FEET) =   1429.00
  DOWNSTREAM ELEVATION(FEET) =   1410.47
  ELEVATION DIFFERENCE(FEET) =     18.53
  TC = 0.303*[(  507.90**3)/(    18.53)]**.2 =    7.104
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.072
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8568
  SOIL CLASSIFICATION IS "A"
  SUBAREA RUNOFF(CFS) =      4.05
  TOTAL AREA(ACRES) =      1.54   TOTAL RUNOFF(CFS) =      4.05

************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     20.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.072
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .4682
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.34   SUBAREA RUNOFF(CFS) =    0.49
  TOTAL AREA(ACRES) =        1.9   TOTAL RUNOFF(CFS) =       4.54
  TC(MIN.) =    7.10

************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     20.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.072
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7532
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.01   SUBAREA RUNOFF(CFS) =    0.02
  TOTAL AREA(ACRES) =        1.9   TOTAL RUNOFF(CFS) =       4.57
  TC(MIN.) =    7.10

************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     20.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.072
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8853
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.29   SUBAREA RUNOFF(CFS) =    0.79
  TOTAL AREA(ACRES) =        2.2   TOTAL RUNOFF(CFS) =       5.35
  TC(MIN.) =    7.10

************************************************************************
  FLOW PROCESS FROM NODE     20.00 TO NODE     30.00 IS CODE =  31
------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1407.47  DOWNSTREAM(FEET) =  1406.75
```

```
  FLOW LENGTH(FEET) =   129.70   MANNING'S N =  0.013
  DEPTH OF FLOW IN  36.0 INCH PIPE IS  27.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   0.91
  ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.35
  PIPE TRAVEL TIME(MIN.) =   2.37    Tc(MIN.) =    9.47
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE     30.00 =     637.60 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     30.00 TO NODE     60.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1406.75  DOWNSTREAM(FEET) =   1406.17
  CHANNEL LENGTH THRU SUBAREA(FEET) =   120.40   CHANNEL SLOPE =  0.0048
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   2.500
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =       5.35
  FLOW VELOCITY(FEET/SEC.) =   1.76   FLOW DEPTH(FEET) =   0.43
  TRAVEL TIME(MIN.) =   1.14   Tc(MIN.) =   10.61
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE     60.00 =     758.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     60.00 TO NODE     60.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   10.61
  RAINFALL INTENSITY(INCH/HR) =   2.62
  TOTAL STREAM AREA(ACRES) =     2.18
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.35

****************************************************************************
  FLOW PROCESS FROM NODE     40.00 TO NODE     50.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   705.90
  UPSTREAM ELEVATION(FEET) =   1423.23
  DOWNSTREAM ELEVATION(FEET) =   1408.85
  ELEVATION DIFFERENCE(FEET) =     14.38
  TC = 0.303*[(  705.90**3)/(    14.38)]**.2 =    9.105
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.782
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8546
  SOIL CLASSIFICATION IS "A"
  SUBAREA RUNOFF(CFS) =      1.60
  TOTAL AREA(ACRES) =      0.67   TOTAL RUNOFF(CFS) =      1.60

****************************************************************************
  FLOW PROCESS FROM NODE     50.00 TO NODE     50.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.782
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8841
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.33   SUBAREA RUNOFF(CFS) =    0.80
  TOTAL AREA(ACRES) =        1.0   TOTAL RUNOFF(CFS) =       2.40
  TC(MIN.) =    9.11

****************************************************************************
  FLOW PROCESS FROM NODE     50.00 TO NODE     50.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.782
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .4459
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.33   SUBAREA RUNOFF(CFS) =    0.41
  TOTAL AREA(ACRES) =        1.3   TOTAL RUNOFF(CFS) =       2.81
  TC(MIN.) =    9.11

****************************************************************************
  FLOW PROCESS FROM NODE     50.00 TO NODE     50.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.782
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7406
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.25   SUBAREA RUNOFF(CFS) =    0.52
  TOTAL AREA(ACRES) =        1.6   TOTAL RUNOFF(CFS) =       3.33
  TC(MIN.) =    9.11

****************************************************************************
  FLOW PROCESS FROM NODE     50.00 TO NODE     60.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1406.77  DOWNSTREAM(FEET) =  1406.17
  FLOW LENGTH(FEET) =     7.10   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   2.24
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       3.33
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    9.16
  LONGEST FLOWPATH FROM NODE     40.00 TO NODE     60.00 =     713.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     60.00 TO NODE     60.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.16
  RAINFALL INTENSITY(INCH/HR) =   2.78
  TOTAL STREAM AREA(ACRES) =     1.58
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.33
```

```
  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        5.35    10.61        2.617          2.18
      2        3.33     9.16        2.776          1.58

 ********************************WARNING***********************************
  IN THIS COMPUTER PROGRAM, THE CONFLUENCE VALUE USED IS BASED
  ON THE RCFC&WCD FORMULA OF PLATE D-1 AS DEFAULT VALUE. THIS FORMULA
  WILL NOT NECESSARILY RESULT IN THE MAXIMUM VALUE OF PEAK FLOW.
 **************************************************************************

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        7.95     9.16       2.776
      2        8.50    10.61       2.617

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       8.50   Tc(MIN.) =   10.61
  TOTAL AREA(ACRES) =        3.8
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE     60.00 =     758.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     60.00 TO NODE    140.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1406.14  DOWNSTREAM(FEET) =   1396.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   160.10   CHANNEL SLOPE =  0.0633
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   3.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.50
  CHANNEL FLOW THRU SUBAREA(CFS) =       8.50
  FLOW VELOCITY(FEET/SEC.) =   4.74   FLOW DEPTH(FEET) =   0.26
  TRAVEL TIME(MIN.) =   0.56   Tc(MIN.) =   11.18
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE    140.00 =     918.10 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    140.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  5
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   11.18
  RAINFALL INTENSITY(INCH/HR) =   2.56
  TOTAL STREAM AREA(ACRES) =     3.76
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      8.50

****************************************************************************
  FLOW PROCESS FROM NODE     70.00 TO NODE    140.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS: UNDEVELOPED WITH FAIR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   160.10
  UPSTREAM ELEVATION(FEET) =   1406.14
  DOWNSTREAM ELEVATION(FEET) =   1396.00
  ELEVATION DIFFERENCE(FEET) =     10.14
  TC = 0.709*[(  160.10**3)/(    10.14)]**.2 =    9.382
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.749
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7390
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      0.88
  TOTAL AREA(ACRES) =      0.43   TOTAL RUNOFF(CFS) =      0.88

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    140.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.749
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .4432
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.11   SUBAREA RUNOFF(CFS) =    0.13
  TOTAL AREA(ACRES) =        0.5   TOTAL RUNOFF(CFS) =       1.01
  TC(MIN.) =    9.38

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    140.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  5
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.38
  RAINFALL INTENSITY(INCH/HR) =   2.75
  TOTAL STREAM AREA(ACRES) =     0.54
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.01

****************************************************************************
  FLOW PROCESS FROM NODE     80.00 TO NODE     90.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   423.50
  UPSTREAM ELEVATION(FEET) =   1420.08
  DOWNSTREAM ELEVATION(FEET) =   1407.79
  ELEVATION DIFFERENCE(FEET) =     12.29
  TC = 0.303*[(  423.50**3)/(    12.29)]**.2 =    6.915
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.106
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8854
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      1.96
  TOTAL AREA(ACRES) =      0.71   TOTAL RUNOFF(CFS) =      1.96

****************************************************************************
  FLOW PROCESS FROM NODE     90.00 TO NODE     90.00 IS CODE =  81
----------------------------------------------------------------------------
```

```
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.106
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8571
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.16   SUBAREA RUNOFF(CFS) =    0.42
  TOTAL AREA(ACRES) =        0.9   TOTAL RUNOFF(CFS) =       2.38
  TC(MIN.) =    6.91

****************************************************************************
  FLOW PROCESS FROM NODE     90.00 TO NODE     90.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.106
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .4706
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.01   SUBAREA RUNOFF(CFS) =    0.01
  TOTAL AREA(ACRES) =        0.9   TOTAL RUNOFF(CFS) =       2.39
  TC(MIN.) =    6.91

****************************************************************************
  FLOW PROCESS FROM NODE     90.00 TO NODE     90.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.106
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7545
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.01   SUBAREA RUNOFF(CFS) =    0.04
  TOTAL AREA(ACRES) =        0.9   TOTAL RUNOFF(CFS) =       2.42
  TC(MIN.) =    6.91

****************************************************************************
  FLOW PROCESS FROM NODE     90.00 TO NODE    140.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1406.14  DOWNSTREAM(FEET) =   1396.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   150.08   CHANNEL SLOPE =  0.0676
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   3.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.50
  CHANNEL FLOW THRU SUBAREA(CFS) =       2.42
  FLOW VELOCITY(FEET/SEC.) =   3.04   FLOW DEPTH(FEET) =   0.12
  TRAVEL TIME(MIN.) =   0.82   Tc(MIN.) =    7.74
  LONGEST FLOWPATH FROM NODE     80.00 TO NODE    140.00 =     573.58 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    140.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
================================================================================
  TOTAL NUMBER OF STREAMS =  5
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.74
  RAINFALL INTENSITY(INCH/HR) =   2.97
  TOTAL STREAM AREA(ACRES) =     0.89
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.42

****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    110.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
================================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   125.70
  UPSTREAM ELEVATION(FEET) =   1408.84
  DOWNSTREAM ELEVATION(FEET) =   1406.98
  ELEVATION DIFFERENCE(FEET) =      1.86
  TC = 0.303*[(  125.70**3)/(     1.86)]**.2 =    4.867
  COMPUTED TIME OF CONCENTRATION INCREASED TO 5 MIN.
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.535
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8600
  SOIL CLASSIFICATION IS "A"
  SUBAREA RUNOFF(CFS) =      0.29
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.29

****************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    110.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.535
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8870
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.06   SUBAREA RUNOFF(CFS) =    0.20
  TOTAL AREA(ACRES) =        0.2   TOTAL RUNOFF(CFS) =       0.49
  TC(MIN.) =    5.00

****************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    110.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.535
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .4996
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.03   SUBAREA RUNOFF(CFS) =    0.04
  TOTAL AREA(ACRES) =        0.2   TOTAL RUNOFF(CFS) =       0.54
  TC(MIN.) =    5.00

****************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    140.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1403.98  DOWNSTREAM(FEET) =  1396.00
  FLOW LENGTH(FEET) =    22.90   MANNING'S N =  0.013
  DEPTH OF FLOW IN   9.0 INCH PIPE IS   4.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   2.50
  ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.54
  PIPE TRAVEL TIME(MIN.) =   0.15    Tc(MIN.) =    5.15
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    140.00 =     148.60 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    140.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  5
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  4 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.15
  RAINFALL INTENSITY(INCH/HR) =   3.49
  TOTAL STREAM AREA(ACRES) =     0.19
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.54

****************************************************************************
  FLOW PROCESS FROM NODE    120.00 TO NODE    130.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   186.90
  UPSTREAM ELEVATION(FEET) =   1416.64
  DOWNSTREAM ELEVATION(FEET) =   1407.59
  ELEVATION DIFFERENCE(FEET) =      9.05
  TC = 0.303*[(  186.90**3)/(     9.05)]**.2 =    4.500
  COMPUTED TIME OF CONCENTRATION INCREASED TO 5 MIN.
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.535
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8870
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      0.90
  TOTAL AREA(ACRES) =      0.29   TOTAL RUNOFF(CFS) =      0.90

****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    130.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.535
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8600
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.17   SUBAREA RUNOFF(CFS) =    0.50
  TOTAL AREA(ACRES) =        0.5   TOTAL RUNOFF(CFS) =       1.40
  TC(MIN.) =    5.00

****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    130.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.535
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .4996
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    0.06   SUBAREA RUNOFF(CFS) =    0.11
  TOTAL AREA(ACRES) =        0.5   TOTAL RUNOFF(CFS) =       1.52
  TC(MIN.) =    5.00

****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    130.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.535
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7696
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    0.06   SUBAREA RUNOFF(CFS) =    0.16
  TOTAL AREA(ACRES) =        0.6   TOTAL RUNOFF(CFS) =       1.68
  TC(MIN.) =    5.00

****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    140.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1405.62  DOWNSTREAM(FEET) =  1396.00
  FLOW LENGTH(FEET) =    30.20   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   7.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.19
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.68
  PIPE TRAVEL TIME(MIN.) =   0.16    Tc(MIN.) =    5.16
  LONGEST FLOWPATH FROM NODE    120.00 TO NODE    140.00 =     217.10 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    140.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  5
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  5 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.16
  RAINFALL INTENSITY(INCH/HR) =   3.49
  TOTAL STREAM AREA(ACRES) =     0.58
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.68

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        8.50    11.18        2.563          3.76
      2        1.01     9.38        2.749          0.54
      3        2.42     7.74        2.969          0.89
      4        0.54     5.15        3.493          0.19
      5        1.68     5.16        3.491          0.58

 ******************************WARNING*********************************
  IN THIS COMPUTER PROGRAM, THE CONFLUENCE VALUE USED IS BASED
  ON THE RCFC&WCD FORMULA OF PLATE D-1 AS DEFAULT VALUE. THIS FORMULA
  WILL NOT NECESSARILY RESULT IN THE MAXIMUM VALUE OF PEAK FLOW.
 ***********************************************************************

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  5 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
```

```
      1        8.30     5.15       3.493
      2        8.30     5.16       3.491
      3       11.02     7.74       2.969
      4       12.13     9.38       2.749
      5       13.15    11.18       2.563

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      13.15   Tc(MIN.) =   11.18
  TOTAL AREA(ACRES) =        6.0
  LONGEST FLOWPATH FROM NODE     10.00 TO NODE    140.00 =     918.10 FEET.
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        6.0  TC(MIN.) =     11.18
  PEAK FLOW RATE(CFS)   =      13.15
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS
```

Appendix F – Basin Calculations

Cherry Outpost

(Existing Condition) Small Area Hydrograph Loss Rates

Subarea	Area (acres)	Soil Type	Land Use	A_p	A_i	F_p (in/hr) Adj. Infiltration Rate	Fm	Runoff Index (RI)			ȳ Storm Event - Year 100 P_{24} (Inches) 5.87
								AMC			
								II	I	III	
A-1	3.60	A	Open Brush (P)	1.00	0.00	0.660	0.660	62	42	79	1.23
A-1	2.24	C	Open Brush (P)	1.00	0.00	0.198	0.198	84	68	93	1.93
A-1	0.02	A	Commercial	0.10	0.90	0.141	0.141	32	16	52	0.02
A-1	0.21	C	Commercial	0.10	0.90	0.071	0.071	69	50	84	0.20
Total =	6.07						0.467				0.445

Cherry Outpost

(Existing Condition) Loss Rates Summary

		STORM EVENT
		100-YR
Tc	=	12.91
Area	=	6.07
ȳ	=	0.445
F_m	=	0.467

```
**************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
          (c) Copyright 1989-2016 Advanced Engineering Software (aes)
              Ver. 23.0  Release Date: 07/01/2016  License ID 1334

                          Analysis prepared by:
```



```
  FILE NAME: 100YREXH.DAT
  TIME/DATE OF STUDY: 07:41 01/16/2024

   The Small Area Unit Hydrograph Procedures in Section J
   of the Hydrology Manual provides estimates of runoff
   hydrograph and runoff volume for watersheds whose time of
   concentration is less than 25 minutes. The PROGRAM User
   should check the applicability of using the small area unit
   hydrograph procedures, and follow the guidelines in
   Sections J and K.5 in complex watershed modeling.


**************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE     20.00 IS CODE = 1.2
--------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
==========================================================================

  (SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

    RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
    TOTAL CATCHMENT AREA(ACRES) =    6.07
    SOIL-LOSS RATE, Fm,(INCH/HR) =  0.467
    LOW LOSS FRACTION = 0.445
    TIME OF CONCENTRATION(MIN.) = 12.91
    SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
    USER SPECIFIED RAINFALL VALUES ARE USED:
    RETURN FREQUENCY(YEARS) = 100
       5-MINUTE POINT RAINFALL VALUE(INCHES) =  0.31
```

```
      30-MINUTE POINT RAINFALL VALUE(INCHES) =  0.85
       1-HOUR   POINT RAINFALL VALUE(INCHES) =  1.31
       3-HOUR   POINT RAINFALL VALUE(INCHES) =  2.13
       6-HOUR   POINT RAINFALL VALUE(INCHES) =  2.96
      24-HOUR   POINT RAINFALL VALUE(INCHES) =  5.87

--------------------------------------------------------------------------------
    TOTAL CATCHMENT   RUNOFF  VOLUME(ACRE-FEET) =     1.54
    TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) =     1.43

--------------------------------------------------------------------------------
♠
================================================================================

                      2 4 - H O U R    S T O R M
                   R U N O F F    H Y D R O G R A P H

================================================================================
               HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
        (Notes: Time indicated is at END of Each Unit Intervals.
                Peak 5-minute rainfall intensity is modeled as
                a constant value for entire 5-minute period.)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.        2.7       5.4       8.2      10.9
--------------------------------------------------------------------------------
   0.017      0.0000      0.00  Q         .         .         .         .
   0.033      0.0000      0.00  Q         .         .         .         .
   0.050      0.0000      0.00  Q         .         .         .         .
   0.067      0.0000      0.00  Q         .         .         .         .
   0.083      0.0000      0.00  Q         .         .         .         .
   0.100      0.0000      0.02  Q         .         .         .         .
   0.117      0.0001      0.05  Q         .         .         .         .
   0.133      0.0002      0.08  Q         .         .         .         .
   0.150      0.0004      0.11  Q         .         .         .         .
   0.167      0.0006      0.14  Q         .         .         .         .
   0.183      0.0008      0.17  Q         .         .         .         .
   0.200      0.0011      0.19  Q         .         .         .         .
   0.217      0.0014      0.22  Q         .         .         .         .
   0.233      0.0017      0.25  Q         .         .         .         .
   0.250      0.0021      0.28  VQ        .         .         .         .
   0.267      0.0025      0.31  VQ        .         .         .         .
   0.283      0.0030      0.34  VQ        .         .         .         .
   0.300      0.0035      0.36  VQ        .         .         .         .
   0.317      0.0040      0.37  VQ        .         .         .         .
   0.333      0.0045      0.37  VQ        .         .         .         .
   0.350      0.0050      0.37  VQ        .         .         .         .
   0.367      0.0055      0.37  VQ        .         .         .         .
   0.383      0.0060      0.37  VQ        .         .         .         .
   0.400      0.0065      0.37  VQ        .         .         .         .
   0.417      0.0070      0.37  VQ        .         .         .         .
```

0.433	0.0076	0.37	VQ	.	.	.	.
0.450	0.0081	0.37	VQ	.	.	.	.
0.467	0.0086	0.37	VQ	.	.	.	.
0.483	0.0091	0.37	VQ	.	.	.	.
0.500	0.0096	0.37	VQ	.	.	.	.
0.517	0.0101	0.37	VQ	.	.	.	.
0.533	0.0106	0.37	VQ	.	.	.	.
0.550	0.0111	0.37	VQ	.	.	.	.
0.567	0.0116	0.37	VQ	.	.	.	.
0.583	0.0121	0.37	VQ	.	.	.	.
0.600	0.0126	0.37	VQ	.	.	.	.
0.617	0.0132	0.37	VQ	.	.	.	.
0.633	0.0137	0.37	VQ	.	.	.	.
0.650	0.0142	0.37	VQ	.	.	.	.
0.667	0.0147	0.37	VQ	.	.	.	.
0.683	0.0152	0.37	VQ	.	.	.	.
0.700	0.0157	0.37	VQ	.	.	.	.
0.717	0.0162	0.37	VQ	.	.	.	.
0.733	0.0167	0.37	VQ	.	.	.	.
0.750	0.0173	0.37	VQ	.	.	.	.
0.767	0.0178	0.37	VQ	.	.	.	.
0.783	0.0183	0.37	VQ	.	.	.	.
0.800	0.0188	0.37	VQ	.	.	.	.
0.817	0.0193	0.37	VQ	.	.	.	.
0.833	0.0198	0.37	VQ	.	.	.	.
0.850	0.0204	0.37	VQ	.	.	.	.
0.867	0.0209	0.37	VQ	.	.	.	.
0.883	0.0214	0.37	VQ	.	.	.	.
0.900	0.0219	0.37	VQ	.	.	.	.
0.917	0.0224	0.37	VQ	.	.	.	.
0.933	0.0229	0.37	VQ	.	.	.	.
0.950	0.0234	0.37	VQ	.	.	.	.
0.967	0.0240	0.38	VQ	.	.	.	.
0.983	0.0245	0.38	VQ	.	.	.	.
1.000	0.0250	0.38	VQ	.	.	.	.
1.017	0.0255	0.38	VQ	.	.	.	.
1.033	0.0260	0.38	VQ	.	.	.	.
1.050	0.0266	0.38	VQ	.	.	.	.
1.067	0.0271	0.38	VQ	.	.	.	.
1.083	0.0276	0.38	VQ	.	.	.	.
1.100	0.0281	0.38	VQ	.	.	.	.
1.117	0.0286	0.38	VQ	.	.	.	.
1.133	0.0292	0.38	VQ	.	.	.	.
1.150	0.0297	0.38	VQ	.	.	.	.
1.167	0.0302	0.38	VQ	.	.	.	.
1.183	0.0307	0.38	VQ	.	.	.	.
1.200	0.0312	0.38	VQ	.	.	.	.
1.217	0.0318	0.38	VQ	.	.	.	.
1.233	0.0323	0.38	VQ	.	.	.	.
1.250	0.0328	0.38	VQ	.	.	.	.

1.267	0.0333	0.38	VQ	.	.	.	.
1.283	0.0339	0.38	VQ	.	.	.	.
1.300	0.0344	0.38	VQ	.	.	.	.
1.317	0.0349	0.38	VQ	.	.	.	.
1.333	0.0354	0.38	VQ	.	.	.	.
1.350	0.0359	0.38	VQ	.	.	.	.
1.367	0.0365	0.38	VQ	.	.	.	.
1.383	0.0370	0.38	VQ	.	.	.	.
1.400	0.0375	0.38	VQ	.	.	.	.
1.417	0.0380	0.38	VQ	.	.	.	.
1.433	0.0386	0.38	.Q	.	.	.	.
1.450	0.0391	0.38	.Q	.	.	.	.
1.467	0.0396	0.38	.Q	.	.	.	.
1.483	0.0401	0.38	.Q	.	.	.	.
1.500	0.0407	0.38	.Q	.	.	.	.
1.517	0.0412	0.38	.Q	.	.	.	.
1.533	0.0417	0.38	.Q	.	.	.	.
1.550	0.0423	0.38	.Q	.	.	.	.
1.567	0.0428	0.38	.Q	.	.	.	.
1.583	0.0433	0.38	.Q	.	.	.	.
1.600	0.0438	0.38	.Q	.	.	.	.
1.617	0.0444	0.38	.Q	.	.	.	.
1.633	0.0449	0.38	.Q	.	.	.	.
1.650	0.0454	0.38	.Q	.	.	.	.
1.667	0.0460	0.38	.Q	.	.	.	.
1.683	0.0465	0.38	.Q	.	.	.	.
1.700	0.0470	0.39	.Q	.	.	.	.
1.717	0.0476	0.39	.Q	.	.	.	.
1.733	0.0481	0.39	.Q	.	.	.	.
1.750	0.0486	0.39	.Q	.	.	.	.
1.767	0.0491	0.39	.Q	.	.	.	.
1.783	0.0497	0.39	.Q	.	.	.	.
1.800	0.0502	0.39	.Q	.	.	.	.
1.817	0.0507	0.39	.Q	.	.	.	.
1.833	0.0513	0.39	.Q	.	.	.	.
1.850	0.0518	0.39	.Q	.	.	.	.
1.867	0.0523	0.39	.Q	.	.	.	.
1.883	0.0529	0.39	.Q	.	.	.	.
1.900	0.0534	0.39	.Q	.	.	.	.
1.917	0.0539	0.39	.Q	.	.	.	.
1.933	0.0545	0.39	.Q	.	.	.	.
1.950	0.0550	0.39	.Q	.	.	.	.
1.967	0.0556	0.39	.Q	.	.	.	.
1.983	0.0561	0.39	.Q	.	.	.	.
2.000	0.0566	0.39	.Q	.	.	.	.
2.017	0.0572	0.39	.Q	.	.	.	.
2.033	0.0577	0.39	.Q	.	.	.	.
2.050	0.0582	0.39	.Q	.	.	.	.
2.067	0.0588	0.39	.Q	.	.	.	.
2.083	0.0593	0.39	.Q	.	.	.	.

2.100	0.0599	0.39	.Q	.	.	.	.
2.117	0.0604	0.39	.Q	.	.	.	.
2.133	0.0609	0.39	.Q	.	.	.	.
2.150	0.0615	0.39	.Q	.	.	.	.
2.167	0.0620	0.39	.Q	.	.	.	.
2.183	0.0625	0.39	.Q	.	.	.	.
2.200	0.0631	0.39	.Q	.	.	.	.
2.217	0.0636	0.39	.Q	.	.	.	.
2.233	0.0642	0.39	.Q	.	.	.	.
2.250	0.0647	0.39	.Q	.	.	.	.
2.267	0.0652	0.39	.Q	.	.	.	.
2.283	0.0658	0.39	.Q	.	.	.	.
2.300	0.0663	0.39	.Q	.	.	.	.
2.317	0.0669	0.39	.Q	.	.	.	.
2.333	0.0674	0.39	.Q	.	.	.	.
2.350	0.0680	0.39	.Q	.	.	.	.
2.367	0.0685	0.39	.Q	.	.	.	.
2.383	0.0690	0.39	.Q	.	.	.	.
2.400	0.0696	0.40	.Q	.	.	.	.
2.417	0.0701	0.40	.Q	.	.	.	.
2.433	0.0707	0.40	.Q	.	.	.	.
2.450	0.0712	0.40	.Q	.	.	.	.
2.467	0.0718	0.40	.Q	.	.	.	.
2.483	0.0723	0.40	.Q	.	.	.	.
2.500	0.0729	0.40	.Q	.	.	.	.
2.517	0.0734	0.40	.Q	.	.	.	.
2.533	0.0740	0.40	.Q	.	.	.	.
2.550	0.0745	0.40	.Q	.	.	.	.
2.567	0.0750	0.40	.Q	.	.	.	.
2.583	0.0756	0.40	.Q	.	.	.	.
2.600	0.0761	0.40	.Q	.	.	.	.
2.617	0.0767	0.40	.Q	.	.	.	.
2.633	0.0772	0.40	.QV	.	.	.	.
2.650	0.0778	0.40	.QV	.	.	.	.
2.667	0.0783	0.40	.QV	.	.	.	.
2.683	0.0789	0.40	.QV	.	.	.	.
2.700	0.0794	0.40	.QV	.	.	.	.
2.717	0.0800	0.40	.QV	.	.	.	.
2.733	0.0805	0.40	.QV	.	.	.	.
2.750	0.0811	0.40	.QV	.	.	.	.
2.767	0.0816	0.40	.QV	.	.	.	.
2.783	0.0822	0.40	.QV	.	.	.	.
2.800	0.0827	0.40	.QV	.	.	.	.
2.817	0.0833	0.40	.QV	.	.	.	.
2.833	0.0838	0.40	.QV	.	.	.	.
2.850	0.0844	0.40	.QV	.	.	.	.
2.867	0.0850	0.40	.QV	.	.	.	.
2.883	0.0855	0.40	.QV	.	.	.	.
2.900	0.0861	0.40	.QV	.	.	.	.
2.917	0.0866	0.40	.QV	.	.	.	.

2.933	0.0872	0.40	.QV	.	.	.	.
2.950	0.0877	0.40	.QV	.	.	.	.
2.967	0.0883	0.40	.QV	.	.	.	.
2.983	0.0888	0.40	.QV	.	.	.	.
3.000	0.0894	0.40	.QV	.	.	.	.
3.017	0.0900	0.40	.QV	.	.	.	.
3.033	0.0905	0.40	.QV	.	.	.	.
3.050	0.0911	0.40	.QV	.	.	.	.
3.067	0.0916	0.40	.QV	.	.	.	.
3.083	0.0922	0.40	.QV	.	.	.	.
3.100	0.0927	0.40	.QV	.	.	.	.
3.117	0.0933	0.41	.QV	.	.	.	.
3.133	0.0939	0.41	.QV	.	.	.	.
3.150	0.0944	0.41	.QV	.	.	.	.
3.167	0.0950	0.41	.QV	.	.	.	.
3.183	0.0955	0.41	.QV	.	.	.	.
3.200	0.0961	0.41	.QV	.	.	.	.
3.217	0.0967	0.41	.QV	.	.	.	.
3.233	0.0972	0.41	.QV	.	.	.	.
3.250	0.0978	0.41	.QV	.	.	.	.
3.267	0.0983	0.41	.QV	.	.	.	.
3.283	0.0989	0.41	.QV	.	.	.	.
3.300	0.0995	0.41	.QV	.	.	.	.
3.317	0.1000	0.41	.QV	.	.	.	.
3.333	0.1006	0.41	.QV	.	.	.	.
3.350	0.1012	0.41	.QV	.	.	.	.
3.367	0.1017	0.41	.QV	.	.	.	.
3.383	0.1023	0.41	.QV	.	.	.	.
3.400	0.1029	0.41	.QV	.	.	.	.
3.417	0.1034	0.41	.QV	.	.	.	.
3.433	0.1040	0.41	.QV	.	.	.	.
3.450	0.1046	0.41	.QV	.	.	.	.
3.467	0.1051	0.41	.QV	.	.	.	.
3.483	0.1057	0.41	.QV	.	.	.	.
3.500	0.1063	0.41	.QV	.	.	.	.
3.517	0.1068	0.41	.QV	.	.	.	.
3.533	0.1074	0.41	.QV	.	.	.	.
3.550	0.1080	0.41	.QV	.	.	.	.
3.567	0.1085	0.41	.QV	.	.	.	.
3.583	0.1091	0.41	.QV	.	.	.	.
3.600	0.1097	0.41	.QV	.	.	.	.
3.617	0.1102	0.41	.QV	.	.	.	.
3.633	0.1108	0.41	.QV	.	.	.	.
3.650	0.1114	0.41	.QV	.	.	.	.
3.667	0.1119	0.41	.QV	.	.	.	.
3.683	0.1125	0.42	.QV	.	.	.	.
3.700	0.1131	0.42	.QV	.	.	.	.
3.717	0.1137	0.42	.QV	.	.	.	.
3.733	0.1142	0.42	.QV	.	.	.	.
3.750	0.1148	0.42	.QV	.	.	.	.

3.767	0.1154	0.42	.QV	.	.	.	.
3.783	0.1160	0.42	.Q V	.	.	.	.
3.800	0.1165	0.42	.Q V	.	.	.	.
3.817	0.1171	0.42	.Q V	.	.	.	.
3.833	0.1177	0.42	.Q V	.	.	.	.
3.850	0.1183	0.42	.Q V	.	.	.	.
3.867	0.1188	0.42	.Q V	.	.	.	.
3.883	0.1194	0.42	.Q V	.	.	.	.
3.900	0.1200	0.42	.Q V	.	.	.	.
3.917	0.1206	0.42	.Q V	.	.	.	.
3.933	0.1211	0.42	.Q V	.	.	.	.
3.950	0.1217	0.42	.Q V	.	.	.	.
3.967	0.1223	0.42	.Q V	.	.	.	.
3.983	0.1229	0.42	.Q V	.	.	.	.
4.000	0.1235	0.42	.Q V	.	.	.	.
4.017	0.1240	0.42	.Q V	.	.	.	.
4.033	0.1246	0.42	.Q V	.	.	.	.
4.050	0.1252	0.42	.Q V	.	.	.	.
4.067	0.1258	0.42	.Q V	.	.	.	.
4.083	0.1264	0.42	.Q V	.	.	.	.
4.100	0.1269	0.42	.Q V	.	.	.	.
4.117	0.1275	0.42	.Q V	.	.	.	.
4.133	0.1281	0.42	.Q V	.	.	.	.
4.150	0.1287	0.42	.Q V	.	.	.	.
4.167	0.1293	0.42	.Q V	.	.	.	.
4.183	0.1299	0.42	.Q V	.	.	.	.
4.200	0.1304	0.42	.Q V	.	.	.	.
4.217	0.1310	0.42	.Q V	.	.	.	.
4.233	0.1316	0.42	.Q V	.	.	.	.
4.250	0.1322	0.42	.Q V	.	.	.	.
4.267	0.1328	0.43	.Q V	.	.	.	.
4.283	0.1334	0.43	.Q V	.	.	.	.
4.300	0.1340	0.43	.Q V	.	.	.	.
4.317	0.1345	0.43	.Q V	.	.	.	.
4.333	0.1351	0.43	.Q V	.	.	.	.
4.350	0.1357	0.43	.Q V	.	.	.	.
4.367	0.1363	0.43	.Q V	.	.	.	.
4.383	0.1369	0.43	.Q V	.	.	.	.
4.400	0.1375	0.43	.Q V	.	.	.	.
4.417	0.1381	0.43	.Q V	.	.	.	.
4.433	0.1387	0.43	.Q V	.	.	.	.
4.450	0.1392	0.43	.Q V	.	.	.	.
4.467	0.1398	0.43	.Q V	.	.	.	.
4.483	0.1404	0.43	.Q V	.	.	.	.
4.500	0.1410	0.43	.Q V	.	.	.	.
4.517	0.1416	0.43	.Q V	.	.	.	.
4.533	0.1422	0.43	.Q V	.	.	.	.
4.550	0.1428	0.43	.Q V	.	.	.	.
4.567	0.1434	0.43	.Q V	.	.	.	.
4.583	0.1440	0.43	.Q V	.	.	.	.

4.600	0.1446	0.43	.Q V	.	.	.	.
4.617	0.1452	0.43	.Q V	.	.	.	.
4.633	0.1458	0.43	.Q V	.	.	.	.
4.650	0.1464	0.43	.Q V	.	.	.	.
4.667	0.1470	0.43	.Q V	.	.	.	.
4.683	0.1476	0.43	.Q V	.	.	.	.
4.700	0.1481	0.43	.Q V	.	.	.	.
4.717	0.1487	0.43	.Q V	.	.	.	.
4.733	0.1493	0.43	.Q V	.	.	.	.
4.750	0.1499	0.43	.Q V	.	.	.	.
4.767	0.1505	0.43	.Q V	.	.	.	.
4.783	0.1511	0.43	.Q V	.	.	.	.
4.800	0.1517	0.43	.Q V	.	.	.	.
4.817	0.1523	0.43	.Q V	.	.	.	.
4.833	0.1529	0.44	.Q V	.	.	.	.
4.850	0.1535	0.44	.Q V	.	.	.	.
4.867	0.1541	0.44	.Q V	.	.	.	.
4.883	0.1547	0.44	.Q V	.	.	.	.
4.900	0.1553	0.44	.Q V	.	.	.	.
4.917	0.1559	0.44	.Q V	.	.	.	.
4.933	0.1565	0.44	.Q V	.	.	.	.
4.950	0.1571	0.44	.Q V	.	.	.	.
4.967	0.1577	0.44	.Q V	.	.	.	.
4.983	0.1584	0.44	.Q V	.	.	.	.
5.000	0.1590	0.44	.Q V	.	.	.	.
5.017	0.1596	0.44	.Q V	.	.	.	.
5.033	0.1602	0.44	.Q V	.	.	.	.
5.050	0.1608	0.44	.Q V	.	.	.	.
5.067	0.1614	0.44	.Q V	.	.	.	.
5.083	0.1620	0.44	.Q V	.	.	.	.
5.100	0.1626	0.44	.Q V	.	.	.	.
5.117	0.1632	0.44	.Q V	.	.	.	.
5.133	0.1638	0.44	.Q V	.	.	.	.
5.150	0.1644	0.44	.Q V	.	.	.	.
5.167	0.1650	0.44	.Q V	.	.	.	.
5.183	0.1656	0.44	.Q V	.	.	.	.
5.200	0.1663	0.44	.Q V	.	.	.	.
5.217	0.1669	0.44	.Q V	.	.	.	.
5.233	0.1675	0.44	.Q V	.	.	.	.
5.250	0.1681	0.44	.Q V	.	.	.	.
5.267	0.1687	0.44	.Q V	.	.	.	.
5.283	0.1693	0.44	.Q V	.	.	.	.
5.300	0.1699	0.44	.Q V	.	.	.	.
5.317	0.1705	0.45	.Q V	.	.	.	.
5.333	0.1711	0.45	.Q V	.	.	.	.
5.350	0.1718	0.45	.Q V	.	.	.	.
5.367	0.1724	0.45	.Q V	.	.	.	.
5.383	0.1730	0.45	.Q V	.	.	.	.
5.400	0.1736	0.45	.Q V	.	.	.	.
5.417	0.1742	0.45	.Q V	.	.	.	.

5.433	0.1748	0.45	.Q	V	.	.	.	.
5.450	0.1755	0.45	.Q	V	.	.	.	.
5.467	0.1761	0.45	.Q	V	.	.	.	.
5.483	0.1767	0.45	.Q	V	.	.	.	.
5.500	0.1773	0.45	.Q	V	.	.	.	.
5.517	0.1779	0.45	.Q	V	.	.	.	.
5.533	0.1786	0.45	.Q	V	.	.	.	.
5.550	0.1792	0.45	.Q	V	.	.	.	.
5.567	0.1798	0.45	.Q	V	.	.	.	.
5.583	0.1804	0.45	.Q	V	.	.	.	.
5.600	0.1810	0.45	.Q	V	.	.	.	.
5.617	0.1817	0.45	.Q	V	.	.	.	.
5.633	0.1823	0.45	.Q	V	.	.	.	.
5.650	0.1829	0.45	.Q	V	.	.	.	.
5.667	0.1835	0.45	.Q	V	.	.	.	.
5.683	0.1842	0.45	.Q	V	.	.	.	.
5.700	0.1848	0.45	.Q	V	.	.	.	.
5.717	0.1854	0.45	.Q	V	.	.	.	.
5.733	0.1860	0.45	.Q	V	.	.	.	.
5.750	0.1867	0.45	.Q	V	.	.	.	.
5.767	0.1873	0.45	.Q	V	.	.	.	.
5.783	0.1879	0.46	.Q	V	.	.	.	.
5.800	0.1885	0.46	.Q	V	.	.	.	.
5.817	0.1892	0.46	.Q	V	.	.	.	.
5.833	0.1898	0.46	.Q	V	.	.	.	.
5.850	0.1904	0.46	.Q	V	.	.	.	.
5.867	0.1911	0.46	.Q	V	.	.	.	.
5.883	0.1917	0.46	.Q	V	.	.	.	.
5.900	0.1923	0.46	.Q	V	.	.	.	.
5.917	0.1930	0.46	.Q	V	.	.	.	.
5.933	0.1936	0.46	.Q	V	.	.	.	.
5.950	0.1942	0.46	.Q	V	.	.	.	.
5.967	0.1948	0.46	.Q	V	.	.	.	.
5.983	0.1955	0.46	.Q	V	.	.	.	.
6.000	0.1961	0.46	.Q	V	.	.	.	.
6.017	0.1968	0.46	.Q	V	.	.	.	.
6.033	0.1974	0.46	.Q	V	.	.	.	.
6.050	0.1980	0.46	.Q	V	.	.	.	.
6.067	0.1987	0.46	.Q	V	.	.	.	.
6.083	0.1993	0.46	.Q	V	.	.	.	.
6.100	0.1999	0.46	.Q	V	.	.	.	.
6.117	0.2006	0.46	.Q	V	.	.	.	.
6.133	0.2012	0.46	.Q	V	.	.	.	.
6.150	0.2018	0.46	.Q	V	.	.	.	.
6.167	0.2025	0.46	.Q	V	.	.	.	.
6.183	0.2031	0.46	.Q	V	.	.	.	.
6.200	0.2038	0.46	.Q	V	.	.	.	.
6.217	0.2044	0.47	.Q	V	.	.	.	.
6.233	0.2050	0.47	.Q	V	.	.	.	.
6.250	0.2057	0.47	.Q	V	.	.	.	.

6.267	0.2063	0.47	.Q	V	.	.	.	.
6.283	0.2070	0.47	.Q	V	.	.	.	.
6.300	0.2076	0.47	.Q	V	.	.	.	.
6.317	0.2083	0.47	.Q	V	.	.	.	.
6.333	0.2089	0.47	.Q	V	.	.	.	.
6.350	0.2096	0.47	.Q	V	.	.	.	.
6.367	0.2102	0.47	.Q	V	.	.	.	.
6.383	0.2108	0.47	.Q	V	.	.	.	.
6.400	0.2115	0.47	.Q	V	.	.	.	.
6.417	0.2121	0.47	.Q	V	.	.	.	.
6.433	0.2128	0.47	.Q	V	.	.	.	.
6.450	0.2134	0.47	.Q	V	.	.	.	.
6.467	0.2141	0.47	.Q	V	.	.	.	.
6.483	0.2147	0.47	.Q	V	.	.	.	.
6.500	0.2154	0.47	.Q	V	.	.	.	.
6.517	0.2160	0.47	.Q	V	.	.	.	.
6.533	0.2167	0.47	.Q	V	.	.	.	.
6.550	0.2173	0.47	.Q	V	.	.	.	.
6.567	0.2180	0.47	.Q	V	.	.	.	.
6.583	0.2186	0.47	.Q	V	.	.	.	.
6.600	0.2193	0.47	.Q	V	.	.	.	.
6.617	0.2199	0.47	.Q	V	.	.	.	.
6.633	0.2206	0.48	.Q	V	.	.	.	.
6.650	0.2213	0.48	.Q	V	.	.	.	.
6.667	0.2219	0.48	.Q	V	.	.	.	.
6.683	0.2226	0.48	.Q	V	.	.	.	.
6.700	0.2232	0.48	.Q	V	.	.	.	.
6.717	0.2239	0.48	.Q	V	.	.	.	.
6.733	0.2245	0.48	.Q	V	.	.	.	.
6.750	0.2252	0.48	.Q	V	.	.	.	.
6.767	0.2259	0.48	.Q	V	.	.	.	.
6.783	0.2265	0.48	.Q	V	.	.	.	.
6.800	0.2272	0.48	.Q	V	.	.	.	.
6.817	0.2279	0.48	.Q	V	.	.	.	.
6.833	0.2285	0.48	.Q	V	.	.	.	.
6.850	0.2292	0.48	.Q	V	.	.	.	.
6.867	0.2298	0.48	.Q	V	.	.	.	.
6.883	0.2305	0.48	.Q	V	.	.	.	.
6.900	0.2312	0.48	.Q	V	.	.	.	.
6.917	0.2318	0.48	.Q	V	.	.	.	.
6.933	0.2325	0.48	.Q	V	.	.	.	.
6.950	0.2332	0.48	.Q	V	.	.	.	.
6.967	0.2338	0.48	.Q	V	.	.	.	.
6.983	0.2345	0.48	.Q	V	.	.	.	.
7.000	0.2352	0.48	.Q	V	.	.	.	.
7.017	0.2358	0.48	.Q	V	.	.	.	.
7.033	0.2365	0.49	.Q	V	.	.	.	.
7.050	0.2372	0.49	.Q	V	.	.	.	.
7.067	0.2378	0.49	.Q	V	.	.	.	.
7.083	0.2385	0.49	.Q	V	.	.	.	.

7.100	0.2392	0.49	.Q	V	.	.	.	.
7.117	0.2399	0.49	.Q	V	.	.	.	.
7.133	0.2405	0.49	.Q	V	.	.	.	.
7.150	0.2412	0.49	.Q	V	.	.	.	.
7.167	0.2419	0.49	.Q	V	.	.	.	.
7.183	0.2426	0.49	.Q	V	.	.	.	.
7.200	0.2432	0.49	.Q	V	.	.	.	.
7.217	0.2439	0.49	.Q	V	.	.	.	.
7.233	0.2446	0.49	.Q	V	.	.	.	.
7.250	0.2453	0.49	.Q	V	.	.	.	.
7.267	0.2459	0.49	.Q	V	.	.	.	.
7.283	0.2466	0.49	.Q	V	.	.	.	.
7.300	0.2473	0.49	.Q	V	.	.	.	.
7.317	0.2480	0.49	.Q	V	.	.	.	.
7.333	0.2487	0.49	.Q	V	.	.	.	.
7.350	0.2493	0.49	.Q	V	.	.	.	.
7.367	0.2500	0.49	.Q	V	.	.	.	.
7.383	0.2507	0.49	.Q	V	.	.	.	.
7.400	0.2514	0.50	.Q	V	.	.	.	.
7.417	0.2521	0.50	.Q	V	.	.	.	.
7.433	0.2528	0.50	.Q	V	.	.	.	.
7.450	0.2534	0.50	.Q	V	.	.	.	.
7.467	0.2541	0.50	.Q	V	.	.	.	.
7.483	0.2548	0.50	.Q	V	.	.	.	.
7.500	0.2555	0.50	.Q	V	.	.	.	.
7.517	0.2562	0.50	.Q	V	.	.	.	.
7.533	0.2569	0.50	.Q	V	.	.	.	.
7.550	0.2576	0.50	.Q	V	.	.	.	.
7.567	0.2583	0.50	.Q	V	.	.	.	.
7.583	0.2589	0.50	.Q	V	.	.	.	.
7.600	0.2596	0.50	.Q	V	.	.	.	.
7.617	0.2603	0.50	.Q	V	.	.	.	.
7.633	0.2610	0.50	.Q	V	.	.	.	.
7.650	0.2617	0.50	.Q	V	.	.	.	.
7.667	0.2624	0.50	.Q	V	.	.	.	.
7.683	0.2631	0.50	.Q	V	.	.	.	.
7.700	0.2638	0.51	.Q	V	.	.	.	.
7.717	0.2645	0.51	.Q	V	.	.	.	.
7.733	0.2652	0.51	.Q	V	.	.	.	.
7.750	0.2659	0.51	.Q	V	.	.	.	.
7.767	0.2666	0.51	.Q	V	.	.	.	.
7.783	0.2673	0.51	.Q	V	.	.	.	.
7.800	0.2680	0.51	.Q	V	.	.	.	.
7.817	0.2687	0.51	.Q	V	.	.	.	.
7.833	0.2694	0.51	.Q	V	.	.	.	.
7.850	0.2701	0.51	.Q	V	.	.	.	.
7.867	0.2708	0.51	.Q	V	.	.	.	.
7.883	0.2715	0.51	.Q	V	.	.	.	.
7.900	0.2722	0.51	.Q	V	.	.	.	.
7.917	0.2729	0.51	.Q	V	.	.	.	.

7.933	0.2736	0.51	.Q	V	.	.	.	.
7.950	0.2743	0.51	.Q	V	.	.	.	.
7.967	0.2750	0.51	.Q	V	.	.	.	.
7.983	0.2757	0.51	.Q	V	.	.	.	.
8.000	0.2764	0.51	.Q	V	.	.	.	.
8.017	0.2771	0.52	.Q	V	.	.	.	.
8.033	0.2779	0.52	.Q	V	.	.	.	.
8.050	0.2786	0.52	.Q	V	.	.	.	.
8.067	0.2793	0.52	.Q	V	.	.	.	.
8.083	0.2800	0.52	.Q	V	.	.	.	.
8.100	0.2807	0.52	.Q	V	.	.	.	.
8.117	0.2814	0.52	.Q	V	.	.	.	.
8.133	0.2821	0.52	.Q	V	.	.	.	.
8.150	0.2828	0.52	.Q	V	.	.	.	.
8.167	0.2836	0.52	.Q	V	.	.	.	.
8.183	0.2843	0.52	.Q	V	.	.	.	.
8.200	0.2850	0.52	.Q	V	.	.	.	.
8.217	0.2857	0.52	.Q	V	.	.	.	.
8.233	0.2864	0.52	.Q	V	.	.	.	.
8.250	0.2871	0.52	.Q	V	.	.	.	.
8.267	0.2879	0.52	.Q	V	.	.	.	.
8.283	0.2886	0.52	.Q	V	.	.	.	.
8.300	0.2893	0.52	.Q	V	.	.	.	.
8.317	0.2900	0.52	.Q	V	.	.	.	.
8.333	0.2907	0.52	.Q	V	.	.	.	.
8.350	0.2915	0.53	.Q	V	.	.	.	.
8.367	0.2922	0.53	.Q	V	.	.	.	.
8.383	0.2929	0.53	.Q	V	.	.	.	.
8.400	0.2936	0.53	.Q	V	.	.	.	.
8.417	0.2944	0.53	.Q	V	.	.	.	.
8.433	0.2951	0.53	.Q	V	.	.	.	.
8.450	0.2958	0.53	.Q	V	.	.	.	.
8.467	0.2966	0.53	.Q	V	.	.	.	.
8.483	0.2973	0.53	.Q	V	.	.	.	.
8.500	0.2980	0.53	.Q	V	.	.	.	.
8.517	0.2988	0.53	.Q	V	.	.	.	.
8.533	0.2995	0.53	.Q	V	.	.	.	.
8.550	0.3002	0.53	.Q	V	.	.	.	.
8.567	0.3010	0.53	.Q	V	.	.	.	.
8.583	0.3017	0.53	.Q	V	.	.	.	.
8.600	0.3024	0.53	.Q	V	.	.	.	.
8.617	0.3032	0.53	.Q	V	.	.	.	.
8.633	0.3039	0.53	.Q	V	.	.	.	.
8.650	0.3046	0.54	.Q	V	.	.	.	.
8.667	0.3054	0.54	.Q	V	.	.	.	.
8.683	0.3061	0.54	.Q	V	.	.	.	.
8.700	0.3069	0.54	.Q	V	.	.	.	.
8.717	0.3076	0.54	.Q	V	.	.	.	.
8.733	0.3083	0.54	.Q	V	.	.	.	.
8.750	0.3091	0.54	.Q	V	.	.	.	.

8.767	0.3098	0.54	.Q	V	.	.	.
8.783	0.3106	0.54	.Q	V	.	.	.
8.800	0.3113	0.54	.Q	V	.	.	.
8.817	0.3121	0.54	.Q	V	.	.	.
8.833	0.3128	0.54	.Q	V	.	.	.
8.850	0.3136	0.54	.Q	V	.	.	.
8.867	0.3143	0.54	. Q	V	.	.	.
8.883	0.3151	0.55	. Q	V	.	.	.
8.900	0.3158	0.55	. Q	V	.	.	.
8.917	0.3166	0.55	. Q	V	.	.	.
8.933	0.3173	0.55	. Q	V	.	.	.
8.950	0.3181	0.55	. Q	V	.	.	.
8.967	0.3188	0.55	. Q	V	.	.	.
8.983	0.3196	0.55	. Q	V	.	.	.
9.000	0.3204	0.55	. Q	V	.	.	.
9.017	0.3211	0.55	. Q	V	.	.	.
9.033	0.3219	0.55	. Q	V	.	.	.
9.050	0.3226	0.55	. Q	V	.	.	.
9.067	0.3234	0.55	. Q	V	.	.	.
9.083	0.3241	0.55	. Q	V	.	.	.
9.100	0.3249	0.55	. Q	V	.	.	.
9.117	0.3257	0.55	. Q	V	.	.	.
9.133	0.3264	0.55	. Q	V	.	.	.
9.150	0.3272	0.55	. Q	V	.	.	.
9.167	0.3280	0.55	. Q	V	.	.	.
9.183	0.3287	0.56	. Q	V	.	.	.
9.200	0.3295	0.56	. Q	V	.	.	.
9.217	0.3303	0.56	. Q	V	.	.	.
9.233	0.3310	0.56	. Q	V	.	.	.
9.250	0.3318	0.56	. Q	V	.	.	.
9.267	0.3326	0.56	. Q	V	.	.	.
9.283	0.3333	0.56	. Q	V	.	.	.
9.300	0.3341	0.56	. Q	V	.	.	.
9.317	0.3349	0.56	. Q	V	.	.	.
9.333	0.3357	0.56	. Q	V	.	.	.
9.350	0.3364	0.56	. Q	V	.	.	.
9.367	0.3372	0.56	. Q	V	.	.	.
9.383	0.3380	0.57	. Q	V	.	.	.
9.400	0.3388	0.57	. Q	V	.	.	.
9.417	0.3396	0.57	. Q	V	.	.	.
9.433	0.3403	0.57	. Q	V	.	.	.
9.450	0.3411	0.57	. Q	V	.	.	.
9.467	0.3419	0.57	. Q	V	.	.	.
9.483	0.3427	0.57	. Q	V	.	.	.
9.500	0.3435	0.57	. Q	V	.	.	.
9.517	0.3443	0.57	. Q	V	.	.	.
9.533	0.3450	0.57	. Q	V	.	.	.
9.550	0.3458	0.57	. Q	V	.	.	.
9.567	0.3466	0.57	. Q	V.	.	.	.
9.583	0.3474	0.57	. Q	V.	.	.	.

9.600	0.3482	0.57	. Q	V.	.	.	.
9.617	0.3490	0.57	. Q	V.	.	.	.
9.633	0.3498	0.58	. Q	V.	.	.	.
9.650	0.3506	0.58	. Q	V.	.	.	.
9.667	0.3514	0.58	. Q	V.	.	.	.
9.683	0.3522	0.58	. Q	V.	.	.	.
9.700	0.3530	0.58	. Q	V.	.	.	.
9.717	0.3538	0.58	. Q	V.	.	.	.
9.733	0.3546	0.58	. Q	V.	.	.	.
9.750	0.3554	0.58	. Q	V.	.	.	.
9.767	0.3562	0.58	. Q	V.	.	.	.
9.783	0.3570	0.58	. Q	V.	.	.	.
9.800	0.3578	0.58	. Q	V.	.	.	.
9.817	0.3586	0.58	. Q	V.	.	.	.
9.833	0.3594	0.59	. Q	V.	.	.	.
9.850	0.3602	0.59	. Q	V.	.	.	.
9.867	0.3610	0.59	. Q	V.	.	.	.
9.883	0.3618	0.59	. Q	V.	.	.	.
9.900	0.3626	0.59	. Q	V.	.	.	.
9.917	0.3634	0.59	. Q	V.	.	.	.
9.933	0.3642	0.59	. Q	V.	.	.	.
9.950	0.3650	0.59	. Q	V.	.	.	.
9.967	0.3659	0.59	. Q	V.	.	.	.
9.983	0.3667	0.59	. Q	V.	.	.	.
10.000	0.3675	0.59	. Q	V.	.	.	.
10.017	0.3683	0.59	. Q	V.	.	.	.
10.033	0.3691	0.59	. Q	V.	.	.	.
10.050	0.3699	0.59	. Q	V.	.	.	.
10.067	0.3708	0.60	. Q	V.	.	.	.
10.083	0.3716	0.60	. Q	V.	.	.	.
10.100	0.3724	0.60	. Q	V.	.	.	.
10.117	0.3732	0.60	. Q	V.	.	.	.
10.133	0.3740	0.60	. Q	V.	.	.	.
10.150	0.3749	0.60	. Q	V.	.	.	.
10.167	0.3757	0.60	. Q	V.	.	.	.
10.183	0.3765	0.60	. Q	V.	.	.	.
10.200	0.3774	0.60	. Q	V.	.	.	.
10.217	0.3782	0.60	. Q	V.	.	.	.
10.233	0.3790	0.61	. Q	V.	.	.	.
10.250	0.3799	0.61	. Q	V.	.	.	.
10.267	0.3807	0.61	. Q	V.	.	.	.
10.283	0.3815	0.61	. Q	V.	.	.	.
10.300	0.3824	0.61	. Q	V.	.	.	.
10.317	0.3832	0.61	. Q	V.	.	.	.
10.333	0.3841	0.61	. Q	V.	.	.	.
10.350	0.3849	0.61	. Q	V.	.	.	.
10.367	0.3857	0.61	. Q	V	.	.	.
10.383	0.3866	0.61	. Q	V	.	.	.
10.400	0.3874	0.61	. Q	V	.	.	.
10.417	0.3883	0.61	. Q	V	.	.	.

10.433	0.3891	0.61	. Q	V	.	.	.
10.450	0.3899	0.61	. Q	V	.	.	.
10.467	0.3908	0.62	. Q	V	.	.	.
10.483	0.3916	0.62	. Q	V	.	.	.
10.500	0.3925	0.62	. Q	V	.	.	.
10.517	0.3933	0.62	. Q	V	.	.	.
10.533	0.3942	0.62	. Q	V	.	.	.
10.550	0.3951	0.62	. Q	V	.	.	.
10.567	0.3959	0.62	. Q	V	.	.	.
10.583	0.3968	0.62	. Q	V	.	.	.
10.600	0.3976	0.63	. Q	V	.	.	.
10.617	0.3985	0.63	. Q	V	.	.	.
10.633	0.3994	0.63	. Q	V	.	.	.
10.650	0.4002	0.63	. Q	V	.	.	.
10.667	0.4011	0.63	. Q	V	.	.	.
10.683	0.4020	0.63	. Q	V	.	.	.
10.700	0.4028	0.63	. Q	V	.	.	.
10.717	0.4037	0.63	. Q	V	.	.	.
10.733	0.4046	0.63	. Q	V	.	.	.
10.750	0.4054	0.63	. Q	V	.	.	.
10.767	0.4063	0.63	. Q	V	.	.	.
10.783	0.4072	0.63	. Q	V	.	.	.
10.800	0.4081	0.63	. Q	V	.	.	.
10.817	0.4089	0.63	. Q	V	.	.	.
10.833	0.4098	0.64	. Q	V	.	.	.
10.850	0.4107	0.64	. Q	V	.	.	.
10.867	0.4116	0.64	. Q	V	.	.	.
10.883	0.4124	0.64	. Q	V	.	.	.
10.900	0.4133	0.64	. Q	V	.	.	.
10.917	0.4142	0.64	. Q	V	.	.	.
10.933	0.4151	0.64	. Q	V	.	.	.
10.950	0.4160	0.64	. Q	V	.	.	.
10.967	0.4169	0.65	. Q	V	.	.	.
10.983	0.4178	0.65	. Q	V	.	.	.
11.000	0.4187	0.65	. Q	V	.	.	.
11.017	0.4196	0.65	. Q	V	.	.	.
11.033	0.4205	0.65	. Q	V	.	.	.
11.050	0.4214	0.65	. Q	V	.	.	.
11.067	0.4223	0.65	. Q	V	.	.	.
11.083	0.4232	0.65	. Q	V	.	.	.
11.100	0.4241	0.66	. Q	.V	.	.	.
11.117	0.4250	0.66	. Q	.V	.	.	.
11.133	0.4259	0.66	. Q	.V	.	.	.
11.150	0.4268	0.66	. Q	.V	.	.	.
11.167	0.4277	0.66	. Q	.V	.	.	.
11.183	0.4286	0.66	. Q	.V	.	.	.
11.200	0.4295	0.66	. Q	.V	.	.	.
11.217	0.4304	0.66	. Q	.V	.	.	.
11.233	0.4313	0.66	. Q	.V	.	.	.
11.250	0.4322	0.66	. Q	.V	.	.	.

11.267	0.4331	0.66	. Q	.V	.	.	.
11.283	0.4341	0.66	. Q	.V	.	.	.
11.300	0.4350	0.67	. Q	.V	.	.	.
11.317	0.4359	0.67	. Q	.V	.	.	.
11.333	0.4368	0.67	. Q	.V	.	.	.
11.350	0.4377	0.67	. Q	.V	.	.	.
11.367	0.4387	0.67	. Q	.V	.	.	.
11.383	0.4396	0.67	. Q	.V	.	.	.
11.400	0.4405	0.68	. Q	.V	.	.	.
11.417	0.4415	0.68	. Q	.V	.	.	.
11.433	0.4424	0.68	. Q	.V	.	.	.
11.450	0.4433	0.68	. Q	.V	.	.	.
11.467	0.4443	0.68	. Q	.V	.	.	.
11.483	0.4452	0.68	. Q	.V	.	.	.
11.500	0.4461	0.68	. Q	.V	.	.	.
11.517	0.4471	0.69	. Q	.V	.	.	.
11.533	0.4480	0.69	. Q	.V	.	.	.
11.550	0.4490	0.69	. Q	.V	.	.	.
11.567	0.4499	0.69	. Q	.V	.	.	.
11.583	0.4509	0.69	. Q	.V	.	.	.
11.600	0.4518	0.69	. Q	.V	.	.	.
11.617	0.4528	0.69	. Q	.V	.	.	.
11.633	0.4537	0.69	. Q	.V	.	.	.
11.650	0.4547	0.69	. Q	.V	.	.	.
11.667	0.4556	0.69	. Q	.V	.	.	.
11.683	0.4566	0.69	. Q	.V	.	.	.
11.700	0.4575	0.69	. Q	.V	.	.	.
11.717	0.4585	0.70	. Q	.V	.	.	.
11.733	0.4595	0.70	. Q	.V	.	.	.
11.750	0.4604	0.70	. Q	.V	.	.	.
11.767	0.4614	0.70	. Q	.V	.	.	.
11.783	0.4624	0.70	. Q	. V	.	.	.
11.800	0.4633	0.70	. Q	. V	.	.	.
11.817	0.4643	0.71	. Q	. V	.	.	.
11.833	0.4653	0.71	. Q	. V	.	.	.
11.850	0.4663	0.71	. Q	. V	.	.	.
11.867	0.4672	0.71	. Q	. V	.	.	.
11.883	0.4682	0.71	. Q	. V	.	.	.
11.900	0.4692	0.72	. Q	. V	.	.	.
11.917	0.4702	0.72	. Q	. V	.	.	.
11.933	0.4712	0.72	. Q	. V	.	.	.
11.950	0.4722	0.72	. Q	. V	.	.	.
11.967	0.4732	0.72	. Q	. V	.	.	.
11.983	0.4742	0.72	. Q	. V	.	.	.
12.000	0.4752	0.72	. Q	. V	.	.	.
12.017	0.4762	0.72	. Q	. V	.	.	.
12.033	0.4772	0.72	. Q	. V	.	.	.
12.050	0.4782	0.73	. Q	. V	.	.	.
12.067	0.4792	0.73	. Q	. V	.	.	.
12.083	0.4802	0.73	. Q	. V	.	.	.

12.100	0.4812	0.73	. Q	. V	.	.	.
12.117	0.4822	0.73	. Q	. V	.	.	.
12.133	0.4832	0.73	. Q	. V	.	.	.
12.150	0.4842	0.73	. Q	. V	.	.	.
12.167	0.4852	0.73	. Q	. V	.	.	.
12.183	0.4862	0.73	. Q	. V	.	.	.
12.200	0.4872	0.73	. Q	. V	.	.	.
12.217	0.4882	0.73	. Q	. V	.	.	.
12.233	0.4892	0.73	. Q	. V	.	.	.
12.250	0.4902	0.73	. Q	. V	.	.	.
12.267	0.4912	0.73	. Q	. V	.	.	.
12.283	0.4922	0.73	. Q	. V	.	.	.
12.300	0.4932	0.73	. Q	. V	.	.	.
12.317	0.4942	0.73	. Q	. V	.	.	.
12.333	0.4952	0.73	. Q	. V	.	.	.
12.350	0.4963	0.73	. Q	. V	.	.	.
12.367	0.4973	0.73	. Q	. V	.	.	.
12.383	0.4983	0.73	. Q	. V	.	.	.
12.400	0.4993	0.73	. Q	. V	.	.	.
12.417	0.5003	0.73	. Q	. V	.	.	.
12.433	0.5013	0.74	. Q	. V	.	.	.
12.450	0.5023	0.74	. Q	. V	.	.	.
12.467	0.5033	0.74	. Q	. V	.	.	.
12.483	0.5043	0.74	. Q	. V	.	.	.
12.500	0.5054	0.74	. Q	. V	.	.	.
12.517	0.5064	0.74	. Q	. V	.	.	.
12.533	0.5074	0.74	. Q	. V	.	.	.
12.550	0.5084	0.74	. Q	. V	.	.	.
12.567	0.5095	0.74	. Q	. V	.	.	.
12.583	0.5105	0.75	. Q	. V	.	.	.
12.600	0.5115	0.75	. Q	. V	.	.	.
12.617	0.5126	0.75	. Q	. V	.	.	.
12.633	0.5136	0.75	. Q	. V	.	.	.
12.650	0.5146	0.76	. Q	. V	.	.	.
12.667	0.5157	0.76	. Q	. V	.	.	.
12.683	0.5167	0.76	. Q	. V	.	.	.
12.700	0.5178	0.76	. Q	. V	.	.	.
12.717	0.5188	0.77	. Q	. V	.	.	.
12.733	0.5199	0.77	. Q	. V	.	.	.
12.750	0.5210	0.77	. Q	. V	.	.	.
12.767	0.5220	0.77	. Q	. V	.	.	.
12.783	0.5231	0.78	. Q	. V	.	.	.
12.800	0.5242	0.78	. Q	. V	.	.	.
12.817	0.5253	0.78	. Q	. V	.	.	.
12.833	0.5263	0.78	. Q	. V	.	.	.
12.850	0.5274	0.78	. Q	. V	.	.	.
12.867	0.5285	0.78	. Q	. V	.	.	.
12.883	0.5296	0.79	. Q	. V	.	.	.
12.900	0.5307	0.79	. Q	. V	.	.	.
12.917	0.5317	0.79	. Q	. V	.	.	.

12.933	0.5328	0.79	. Q	. V	.	.	.
12.950	0.5339	0.79	. Q	. V	.	.	.
12.967	0.5350	0.79	. Q	. V	.	.	.
12.983	0.5361	0.79	. Q	. V	.	.	.
13.000	0.5372	0.80	. Q	. V	.	.	.
13.017	0.5383	0.80	. Q	. V	.	.	.
13.033	0.5394	0.80	. Q	. V	.	.	.
13.050	0.5405	0.80	. Q	. V	.	.	.
13.067	0.5416	0.81	. Q	. V	.	.	.
13.083	0.5427	0.81	. Q	. V	.	.	.
13.100	0.5439	0.81	. Q	. V	.	.	.
13.117	0.5450	0.82	. Q	. V	.	.	.
13.133	0.5461	0.82	. Q	. V	.	.	.
13.150	0.5472	0.82	. Q	. V	.	.	.
13.167	0.5484	0.83	. Q	. V	.	.	.
13.183	0.5495	0.83	. Q	. V	.	.	.
13.200	0.5507	0.83	. Q	. V	.	.	.
13.217	0.5518	0.84	. Q	. V	.	.	.
13.233	0.5530	0.84	. Q	. V	.	.	.
13.250	0.5541	0.84	. Q	. V	.	.	.
13.267	0.5553	0.84	. Q	. V	.	.	.
13.283	0.5565	0.84	. Q	. V	.	.	.
13.300	0.5576	0.84	. Q	. V	.	.	.
13.317	0.5588	0.85	. Q	. V	.	.	.
13.333	0.5599	0.85	. Q	. V	.	.	.
13.350	0.5611	0.85	. Q	. V	.	.	.
13.367	0.5623	0.85	. Q	. V	.	.	.
13.383	0.5635	0.85	. Q	. V	.	.	.
13.400	0.5646	0.85	. Q	. V	.	.	.
13.417	0.5658	0.86	. Q	. V	.	.	.
13.433	0.5670	0.86	. Q	. V	.	.	.
13.450	0.5682	0.86	. Q	. V	.	.	.
13.467	0.5694	0.87	. Q	. V	.	.	.
13.483	0.5706	0.87	. Q	. V	.	.	.
13.500	0.5718	0.87	. Q	. V	.	.	.
13.517	0.5730	0.88	. Q	. V	.	.	.
13.533	0.5742	0.88	. Q	. V	.	.	.
13.550	0.5754	0.89	. Q	. V	.	.	.
13.567	0.5767	0.89	. Q	. V	.	.	.
13.583	0.5779	0.89	. Q	. V	.	.	.
13.600	0.5791	0.90	. Q	. V	.	.	.
13.617	0.5804	0.90	. Q	. V	.	.	.
13.633	0.5816	0.91	. Q	. V	.	.	.
13.650	0.5829	0.91	. Q	. V	.	.	.
13.667	0.5841	0.91	. Q	. V	.	.	.
13.683	0.5854	0.91	. Q	. V	.	.	.
13.700	0.5866	0.91	. Q	. V	.	.	.
13.717	0.5879	0.92	. Q	. V	.	.	.
13.733	0.5892	0.92	. Q	. V	.	.	.
13.750	0.5904	0.92	. Q	. V	.	.	.

13.767	0.5917	0.92	.	Q	.	V	.	.	.
13.783	0.5930	0.93	.	Q	.	V	.	.	.
13.800	0.5943	0.93	.	Q	.	V	.	.	.
13.817	0.5955	0.93	.	Q	.	V	.	.	.
13.833	0.5968	0.93	.	Q	.	V	.	.	.
13.850	0.5981	0.93	.	Q	.	V	.	.	.
13.867	0.5994	0.94	.	Q	.	V	.	.	.
13.883	0.6007	0.94	.	Q	.	V	.	.	.
13.900	0.6020	0.95	.	Q	.	V	.	.	.
13.917	0.6033	0.95	.	Q	.	V	.	.	.
13.933	0.6046	0.96	.	Q	.	V	.	.	.
13.950	0.6060	0.96	.	Q	.	V	.	.	.
13.967	0.6073	0.97	.	Q	.	V	.	.	.
13.983	0.6086	0.97	.	Q	.	V	.	.	.
14.000	0.6100	0.98	.	Q	.	V	.	.	.
14.017	0.6114	0.98	.	Q	.	V	.	.	.
14.033	0.6127	0.99	.	Q	.	V	.	.	.
14.050	0.6141	0.99	.	Q	.	V	.	.	.
14.067	0.6155	1.00	.	Q	.	V	.	.	.
14.083	0.6168	1.00	.	Q	.	V	.	.	.
14.100	0.6182	1.00	.	Q	.	V	.	.	.
14.117	0.6196	1.00	.	Q	.	V	.	.	.
14.133	0.6210	0.99	.	Q	.	V	.	.	.
14.150	0.6223	0.99	.	Q	.	V	.	.	.
14.167	0.6237	0.99	.	Q	.	V	.	.	.
14.183	0.6250	0.99	.	Q	.	V	.	.	.
14.200	0.6264	0.99	.	Q	.	V	.	.	.
14.217	0.6278	0.98	.	Q	.	V	.	.	.
14.233	0.6291	0.98	.	Q	.	V	.	.	.
14.250	0.6305	0.98	.	Q	.	V	.	.	.
14.267	0.6318	0.98	.	Q	.	V	.	.	.
14.283	0.6331	0.97	.	Q	.	V	.	.	.
14.300	0.6345	0.98	.	Q	.	V	.	.	.
14.317	0.6358	0.99	.	Q	.	V	.	.	.
14.333	0.6372	0.99	.	Q	.	V	.	.	.
14.350	0.6386	1.00	.	Q	.	V	.	.	.
14.367	0.6400	1.01	.	Q	.	V	.	.	.
14.383	0.6414	1.01	.	Q	.	V	.	.	.
14.400	0.6428	1.02	.	Q	.	V	.	.	.
14.417	0.6442	1.03	.	Q	.	V	.	.	.
14.433	0.6456	1.03	.	Q	.	V	.	.	.
14.450	0.6470	1.04	.	Q	.	V	.	.	.
14.467	0.6485	1.05	.	Q	.	V	.	.	.
14.483	0.6499	1.05	.	Q	.	V	.	.	.
14.500	0.6514	1.06	.	Q	.	V	.	.	.
14.517	0.6529	1.06	.	Q	.	V	.	.	.
14.533	0.6543	1.07	.	Q	.	V	.	.	.
14.550	0.6558	1.07	.	Q	.	V	.	.	.
14.567	0.6573	1.08	.	Q	.	V	.	.	.
14.583	0.6588	1.08	.	Q	.	V	.	.	.

14.600	0.6603	1.09	.	Q	.	V	.	.	.
14.617	0.6618	1.09	.	Q	.	V	.	.	.
14.633	0.6633	1.09	.	Q	.	V	.	.	.
14.650	0.6648	1.10	.	Q	.	V	.	.	.
14.667	0.6663	1.10	.	Q	.	V	.	.	.
14.683	0.6678	1.11	.	Q	.	V	.	.	.
14.700	0.6694	1.11	.	Q	.	V	.	.	.
14.717	0.6709	1.12	.	Q	.	V	.	.	.
14.733	0.6725	1.13	.	Q	.	V	.	.	.
14.750	0.6740	1.14	.	Q	.	V	.	.	.
14.767	0.6756	1.15	.	Q	.	V	.	.	.
14.783	0.6772	1.16	.	Q	.	V	.	.	.
14.800	0.6788	1.17	.	Q	.	V	.	.	.
14.817	0.6805	1.18	.	Q	.	V	.	.	.
14.833	0.6821	1.19	.	Q	.	V	.	.	.
14.850	0.6837	1.20	.	Q	.	V	.	.	.
14.867	0.6854	1.21	.	Q	.	V	.	.	.
14.883	0.6871	1.22	.	Q	.	V	.	.	.
14.900	0.6888	1.23	.	Q	.	V	.	.	.
14.917	0.6905	1.25	.	Q	.	V	.	.	.
14.933	0.6923	1.26	.	Q	.	V	.	.	.
14.950	0.6940	1.26	.	Q	.	V	.	.	.
14.967	0.6957	1.27	.	Q	.	V	.	.	.
14.983	0.6975	1.28	.	Q	.	V	.	.	.
15.000	0.6993	1.28	.	Q	.	V	.	.	.
15.017	0.7010	1.29	.	Q	.	V	.	.	.
15.033	0.7028	1.30	.	Q	.	V	.	.	.
15.050	0.7046	1.31	.	Q	.	V	.	.	.
15.067	0.7064	1.31	.	Q	.	V	.	.	.
15.083	0.7083	1.32	.	Q	.	V	.	.	.
15.100	0.7101	1.33	.	Q	.	V	.	.	.
15.117	0.7119	1.33	.	Q	.	V	.	.	.
15.133	0.7138	1.34	.	Q	.	V	.	.	.
15.150	0.7156	1.35	.	Q	.	V	.	.	.
15.167	0.7175	1.37	.	Q	.	V	.	.	.
15.183	0.7194	1.39	.	Q	.	V	.	.	.
15.200	0.7214	1.41	.	Q	.	V	.	.	.
15.217	0.7233	1.43	.	Q	.	V	.	.	.
15.233	0.7253	1.45	.	Q	.	V	.	.	.
15.250	0.7274	1.47	.	Q	.	V	.	.	.
15.267	0.7294	1.49	.	Q	.	V	.	.	.
15.283	0.7315	1.51	.	Q	.	V	.	.	.
15.300	0.7336	1.53	.	Q	.	V	.	.	.
15.317	0.7357	1.55	.	Q	.	V	.	.	.
15.333	0.7379	1.57	.	Q	.	V	.	.	.
15.350	0.7401	1.59	.	Q	.	V	.	.	.
15.367	0.7423	1.61	.	Q	.	V	.	.	.
15.383	0.7446	1.67	.	Q	.	V	.	.	.
15.400	0.7469	1.72	.	Q	.	V	.	.	.
15.417	0.7494	1.77	.	Q	.	V	.	.	.

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15.433      0.7519      1.82  .     Q   .        V.         .         .
15.450      0.7545      1.87  .     Q   .        V.         .         .
15.467      0.7571      1.92  .      Q  .        V.         .         .
15.483      0.7598      1.98  .      Q  .        V.         .         .
15.500      0.7626      2.03  .      Q  .        V.         .         .
15.517      0.7655      2.08  .      Q  .        V.         .         .
15.533      0.7684      2.13  .      Q  .        V.         .         .
15.550      0.7714      2.18  .       Q .         V         .         .
15.567      0.7745      2.23  .       Q .         V         .         .
15.583      0.7777      2.29  .       Q .         V         .         .
15.600      0.7809      2.35  .       Q .         V         .         .
15.617      0.7842      2.41  .       Q .         V         .         .
15.633      0.7876      2.47  .        Q.         V         .         .
15.650      0.7911      2.53  .        Q.         V         .         .
15.667      0.7947      2.59  .        Q.         V         .         .
15.683      0.7983      2.65  .        Q.         V         .         .
15.700      0.8020      2.71  .        Q.         V         .         .
15.717      0.8058      2.76  .         Q         V         .         .
15.733      0.8097      2.82  .         Q         .V        .         .
15.750      0.8137      2.88  .         Q         .V        .         .
15.767      0.8178      2.94  .         Q         .V        .         .
15.783      0.8219      3.00  .         .Q        .V        .         .
15.800      0.8261      3.06  .         .Q        .V        .         .
15.817      0.8304      3.12  .         .Q        .V        .         .
15.833      0.8348      3.18  .         .Q        .V        .         .
15.850      0.8392      3.24  .         .Q        .V        .         .
15.867      0.8438      3.29  .         . Q       .V        .         .
15.883      0.8484      3.35  .         . Q       . V       .         .
15.900      0.8531      3.41  .         . Q       . V       .         .
15.917      0.8579      3.47  .         . Q       . V       .         .
15.933      0.8627      3.53  .         . Q       . V       .         .
15.950      0.8677      3.58  .         .  Q      . V       .         .
15.967      0.8727      3.64  .         .  Q      . V       .         .
15.983      0.8778      3.70  .         .  Q      . V       .         .
16.000      0.8830      3.76  .         .  Q      . V       .         .
16.017      0.8886      4.06  .         .   Q     .  V      .         .
16.033      0.8949      4.61  .         .     Q   .  V      .         .
16.050      0.9020      5.16  .         .       Q .  V      .         .
16.067      0.9099      5.71  .         .         Q  V      .         .
16.083      0.9185      6.26  .         .         .  Q      .         .
16.100      0.9279      6.81  .         .         .   VQ    .         .
16.117      0.9380      7.36  .         .         .   V  Q  .         .
16.133      0.9489      7.91  .         .         .   V    Q.         .
16.150      0.9606      8.46  .         .         .   V     .Q        .
16.167      0.9730      9.01  .         .         .    V    .  Q      .
16.183      0.9862      9.56  .         .         .    V    .    Q    .
16.200      1.0001     10.11  .         .         .    V    .      Q  .
16.217      1.0151     10.89  .         .         .     V   .        Q
16.233      1.0296     10.52  .         .         .     V   .       Q .
16.250      1.0432      9.89  .         .         .      V  .     Q   .
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16.267      1.0560      9.26  .         .         .      V  .   Q     .
16.283      1.0679      8.63  .         .         .      V  .Q        .
16.300      1.0789      8.01  .         .         .       VQ.         .
16.317      1.0891      7.38  .         .         .      QV .         .
16.333      1.0984      6.75  .         .         .   Q   V .         .
16.350      1.1068      6.12  .         .         . Q     V .         .
16.367      1.1144      5.49  .         .         Q       V .         .
16.383      1.1211      4.87  .         .      Q  .        V.         .
16.400      1.1269      4.24  .         .    Q    .        V.         .
16.417      1.1319      3.61  .         .  Q      .        V.         .
16.433      1.1360      2.99  .         Q         .        V.         .
16.450      1.1397      2.71  .        Q.         .        V.         .
16.467      1.1433      2.61  .        Q.         .        V.         .
16.483      1.1468      2.51  .        Q.         .        V.         .
16.500      1.1501      2.40  .       Q .         .        V.         .
16.517      1.1533      2.30  .       Q .         .        V.         .
16.533      1.1563      2.20  .       Q .         .         V         .
16.550      1.1592      2.10  .      Q  .         .         V         .
16.567      1.1619      1.99  .      Q  .         .         V         .
16.583      1.1645      1.89  .     Q   .         .         V         .
16.600      1.1670      1.79  .     Q   .         .         V         .
16.617      1.1693      1.69  .     Q   .         .         V         .
16.633      1.1715      1.58  .    Q    .         .         V         .
16.650      1.1736      1.49  .    Q    .         .         V         .
16.667      1.1755      1.44  .    Q    .         .         V         .
16.683      1.1775      1.42  .    Q    .         .         V         .
16.700      1.1794      1.40  .    Q    .         .         V         .
16.717      1.1813      1.38  .    Q    .         .         V         .
16.733      1.1832      1.36  .   Q     .         .         V         .
16.750      1.1850      1.33  .   Q     .         .         V         .
16.767      1.1868      1.31  .   Q     .         .         V         .
16.783      1.1886      1.29  .   Q     .         .         V         .
16.800      1.1904      1.27  .   Q     .         .         V         .
16.817      1.1921      1.25  .   Q     .         .         V         .
16.833      1.1938      1.23  .   Q     .         .         .V        .
16.850      1.1954      1.20  .   Q     .         .         .V        .
16.867      1.1971      1.18  .   Q     .         .         .V        .
16.883      1.1987      1.17  .   Q     .         .         .V        .
16.900      1.2003      1.16  .   Q     .         .         .V        .
16.917      1.2018      1.14  .   Q     .         .         .V        .
16.933      1.2034      1.13  .   Q     .         .         .V        .
16.950      1.2049      1.12  .   Q     .         .         .V        .
16.967      1.2065      1.10  .   Q     .         .         .V        .
16.983      1.2080      1.09  .   Q     .         .         .V        .
17.000      1.2094      1.08  .  Q      .         .         .V        .
17.017      1.2109      1.07  .  Q      .         .         .V        .
17.033      1.2124      1.05  .  Q      .         .         .V        .
17.050      1.2138      1.04  .  Q      .         .         .V        .
17.067      1.2152      1.03  .  Q      .         .         .V        .
17.083      1.2166      1.01  .  Q      .         .         .V        .
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17.100	1.2180	1.01	.	Q	.	.	.V	.
17.117	1.2194	1.01	.	Q	.	.	.V	.
17.133	1.2208	1.00	.	Q	.	.	.V	.
17.150	1.2221	1.00	.	Q	.	.	.V	.
17.167	1.2235	1.00	.	Q	.	.	.V	.
17.183	1.2249	0.99	.	Q	.	.	.V	.
17.200	1.2262	0.99	.	Q	.	.	.V	.
17.217	1.2276	0.98	.	Q	.	.	.V	.
17.233	1.2289	0.98	.	Q	.	.	.V	.
17.250	1.2303	0.98	.	Q	.	.	.V	.
17.267	1.2316	0.97	.	Q	.	.	.V	.
17.283	1.2330	0.97	.	Q	.	.	. V	.
17.300	1.2343	0.97	.	Q	.	.	. V	.
17.317	1.2356	0.96	.	Q	.	.	. V	.
17.333	1.2369	0.95	.	Q	.	.	. V	.
17.350	1.2382	0.95	.	Q	.	.	. V	.
17.367	1.2395	0.94	.	Q	.	.	. V	.
17.383	1.2408	0.93	.	Q	.	.	. V	.
17.400	1.2421	0.93	.	Q	.	.	. V	.
17.417	1.2434	0.92	.	Q	.	.	. V	.
17.433	1.2446	0.91	.	Q	.	.	. V	.
17.450	1.2459	0.91	.	Q	.	.	. V	.
17.467	1.2471	0.90	.	Q	.	.	. V	.
17.483	1.2483	0.89	.	Q	.	.	. V	.
17.500	1.2496	0.89	.	Q	.	.	. V	.
17.517	1.2508	0.88	.	Q	.	.	. V	.
17.533	1.2520	0.88	.	Q	.	.	. V	.
17.550	1.2532	0.87	.	Q	.	.	. V	.
17.567	1.2544	0.86	.	Q	.	.	. V	.
17.583	1.2555	0.86	.	Q	.	.	. V	.
17.600	1.2567	0.85	.	Q	.	.	. V	.
17.617	1.2579	0.85	.	Q	.	.	. V	.
17.633	1.2591	0.84	.	Q	.	.	. V	.
17.650	1.2602	0.84	.	Q	.	.	. V	.
17.667	1.2614	0.83	.	Q	.	.	. V	.
17.683	1.2625	0.83	.	Q	.	.	. V	.
17.700	1.2636	0.82	.	Q	.	.	. V	.
17.717	1.2648	0.82	.	Q	.	.	. V	.
17.733	1.2659	0.81	.	Q	.	.	. V	.
17.750	1.2670	0.81	.	Q	.	.	. V	.
17.767	1.2681	0.80	.	Q	.	.	. V	.
17.783	1.2692	0.80	.	Q	.	.	. V	.
17.800	1.2703	0.80	.	Q	.	.	. V	.
17.817	1.2714	0.79	.	Q	.	.	. V	.
17.833	1.2725	0.79	.	Q	.	.	. V	.
17.850	1.2736	0.78	.	Q	.	.	. V	.
17.867	1.2746	0.78	.	Q	.	.	. V	.
17.883	1.2757	0.78	.	Q	.	.	. V	.
17.900	1.2768	0.77	.	Q	.	.	. V	.
17.917	1.2778	0.77	.	Q	.	.	. V	.

17.933	1.2789	0.76	.	Q	.	.	V	.
17.950	1.2799	0.76	.	Q	.	.	V	.
17.967	1.2810	0.76	.	Q	.	.	V	.
17.983	1.2820	0.75	.	Q	.	.	V	.
18.000	1.2830	0.75	.	Q	.	.	V	.
18.017	1.2841	0.75	.	Q	.	.	V	.
18.033	1.2851	0.74	.	Q	.	.	V	.
18.050	1.2861	0.74	.	Q	.	.	V	.
18.067	1.2871	0.74	.	Q	.	.	V	.
18.083	1.2881	0.73	.	Q	.	.	V	.
18.100	1.2891	0.73	.	Q	.	.	V	.
18.117	1.2901	0.73	.	Q	.	.	V	.
18.133	1.2911	0.72	.	Q	.	.	V	.
18.150	1.2921	0.72	.	Q	.	.	V	.
18.167	1.2931	0.72	.	Q	.	.	V	.
18.183	1.2941	0.72	.	Q	.	.	V	.
18.200	1.2951	0.72	.	Q	.	.	V	.
18.217	1.2961	0.72	.	Q	.	.	V	.
18.233	1.2971	0.71	.	Q	.	.	V	.
18.250	1.2980	0.71	.	Q	.	.	V	.
18.267	1.2990	0.71	.	Q	.	.	V	.
18.283	1.3000	0.71	.	Q	.	.	V	.
18.300	1.3010	0.71	.	Q	.	.	V	.
18.317	1.3019	0.71	.	Q	.	.	V	.
18.333	1.3029	0.71	.	Q	.	.	V	.
18.350	1.3039	0.71	.	Q	.	.	V	.
18.367	1.3049	0.71	.	Q	.	.	V	.
18.383	1.3058	0.70	.	Q	.	.	V	.
18.400	1.3068	0.70	.	Q	.	.	V	.
18.417	1.3078	0.70	.	Q	.	.	V	.
18.433	1.3087	0.70	.	Q	.	.	V	.
18.450	1.3097	0.69	.	Q	.	.	V	.
18.467	1.3106	0.69	.	Q	.	.	V	.
18.483	1.3116	0.69	.	Q	.	.	V	.
18.500	1.3125	0.69	.	Q	.	.	V	.
18.517	1.3135	0.68	.	Q	.	.	V	.
18.533	1.3144	0.68	.	Q	.	.	V	.
18.550	1.3154	0.68	.	Q	.	.	V	.
18.567	1.3163	0.68	.	Q	.	.	V	.
18.583	1.3172	0.67	.	Q	.	.	V	.
18.600	1.3181	0.67	.	Q	.	.	V	.
18.617	1.3191	0.67	.	Q	.	.	V	.
18.633	1.3200	0.67	.	Q	.	.	V	.
18.650	1.3209	0.67	.	Q	.	.	V	.
18.667	1.3218	0.66	.	Q	.	.	V	.
18.683	1.3227	0.66	.	Q	.	.	V	.
18.700	1.3236	0.66	.	Q	.	.	V	.
18.717	1.3245	0.66	.	Q	.	.	V	.
18.733	1.3254	0.65	.	Q	.	.	V	.
18.750	1.3263	0.65	.	Q	.	.	V	.

18.767	1.3272	0.65	.	Q	.	.	V	.
18.783	1.3281	0.65	.	Q	.	.	V	.
18.800	1.3290	0.65	.	Q	.	.	V	.
18.817	1.3299	0.64	.	Q	.	.	V	.
18.833	1.3308	0.64	.	Q	.	.	V	.
18.850	1.3317	0.64	.	Q	.	.	V	.
18.867	1.3325	0.64	.	Q	.	.	V	.
18.883	1.3334	0.64	.	Q	.	.	V	.
18.900	1.3343	0.63	.	Q	.	.	V	.
18.917	1.3352	0.63	.	Q	.	.	V	.
18.933	1.3360	0.63	.	Q	.	.	V	.
18.950	1.3369	0.63	.	Q	.	.	V	.
18.967	1.3378	0.63	.	Q	.	.	V	.
18.983	1.3386	0.62	.	Q	.	.	V	.
19.000	1.3395	0.62	.	Q	.	.	V	.
19.017	1.3403	0.62	.	Q	.	.	V	.
19.033	1.3412	0.62	.	Q	.	.	V	.
19.050	1.3420	0.62	.	Q	.	.	V	.
19.067	1.3429	0.61	.	Q	.	.	V	.
19.083	1.3437	0.61	.	Q	.	.	V	.
19.100	1.3446	0.61	.	Q	.	.	V	.
19.117	1.3454	0.61	.	Q	.	.	V	.
19.133	1.3462	0.61	.	Q	.	.	V	.
19.150	1.3471	0.61	.	Q	.	.	V	.
19.167	1.3479	0.60	.	Q	.	.	V	.
19.183	1.3487	0.60	.	Q	.	.	V	.
19.200	1.3496	0.60	.	Q	.	.	V	.
19.217	1.3504	0.60	.	Q	.	.	V	.
19.233	1.3512	0.60	.	Q	.	.	V	.
19.250	1.3520	0.60	.	Q	.	.	V	.
19.267	1.3528	0.59	.	Q	.	.	V	.
19.283	1.3537	0.59	.	Q	.	.	V	.
19.300	1.3545	0.59	.	Q	.	.	V	.
19.317	1.3553	0.59	.	Q	.	.	V	.
19.333	1.3561	0.59	.	Q	.	.	V	.
19.350	1.3569	0.59	.	Q	.	.	V	.
19.367	1.3577	0.58	.	Q	.	.	V	.
19.383	1.3585	0.58	.	Q	.	.	V	.
19.400	1.3593	0.58	.	Q	.	.	V	.
19.417	1.3601	0.58	.	Q	.	.	V	.
19.433	1.3609	0.58	.	Q	.	.	V	.
19.450	1.3617	0.58	.	Q	.	.	V	.
19.467	1.3625	0.58	.	Q	.	.	V	.
19.483	1.3633	0.57	.	Q	.	.	V	.
19.500	1.3641	0.57	.	Q	.	.	V	.
19.517	1.3649	0.57	.	Q	.	.	V	.
19.533	1.3656	0.57	.	Q	.	.	V	.
19.550	1.3664	0.57	.	Q	.	.	V	.
19.567	1.3672	0.57	.	Q	.	.	V	.
19.583	1.3680	0.57	.	Q	.	.	V	.

19.600	1.3688	0.56	. Q	.	.	.	V	.
19.617	1.3695	0.56	. Q	.	.	.	V	.
19.633	1.3703	0.56	. Q	.	.	.	V	.
19.650	1.3711	0.56	. Q	.	.	.	V	.
19.667	1.3718	0.56	. Q	.	.	.	V	.
19.683	1.3726	0.56	. Q	.	.	.	V	.
19.700	1.3734	0.56	. Q	.	.	.	V	.
19.717	1.3741	0.55	. Q	.	.	.	V	.
19.733	1.3749	0.55	. Q	.	.	.	V	.
19.750	1.3757	0.55	. Q	.	.	.	V	.
19.767	1.3764	0.55	. Q	.	.	.	V	.
19.783	1.3772	0.55	. Q	.	.	.	V	.
19.800	1.3779	0.55	. Q	.	.	.	V	.
19.817	1.3787	0.55	. Q	.	.	.	V	.
19.833	1.3794	0.55	. Q	.	.	.	V	.
19.850	1.3802	0.54	.Q	.	.	.	V	.
19.867	1.3809	0.54	.Q	.	.	.	V	.
19.883	1.3817	0.54	.Q	.	.	.	V	.
19.900	1.3824	0.54	.Q	.	.	.	V	.
19.917	1.3832	0.54	.Q	.	.	.	V	.
19.933	1.3839	0.54	.Q	.	.	.	V	.
19.950	1.3846	0.54	.Q	.	.	.	V	.
19.967	1.3854	0.54	.Q	.	.	.	V	.
19.983	1.3861	0.53	.Q	.	.	.	V	.
20.000	1.3869	0.53	.Q	.	.	.	V	.
20.017	1.3876	0.53	.Q	.	.	.	V	.
20.033	1.3883	0.53	.Q	.	.	.	V	.
20.050	1.3890	0.53	.Q	.	.	.	V	.
20.067	1.3898	0.53	.Q	.	.	.	V	.
20.083	1.3905	0.53	.Q	.	.	.	V	.
20.100	1.3912	0.53	.Q	.	.	.	V	.
20.117	1.3919	0.52	.Q	.	.	.	V	.
20.133	1.3927	0.52	.Q	.	.	.	V	.
20.150	1.3934	0.52	.Q	.	.	.	V	.
20.167	1.3941	0.52	.Q	.	.	.	V	.
20.183	1.3948	0.52	.Q	.	.	.	V	.
20.200	1.3955	0.52	.Q	.	.	.	V	.
20.217	1.3963	0.52	.Q	.	.	.	V	.
20.233	1.3970	0.52	.Q	.	.	.	V	.
20.250	1.3977	0.52	.Q	.	.	.	V	.
20.267	1.3984	0.52	.Q	.	.	.	V	.
20.283	1.3991	0.51	.Q	.	.	.	V	.
20.300	1.3998	0.51	.Q	.	.	.	V	.
20.317	1.4005	0.51	.Q	.	.	.	V	.
20.333	1.4012	0.51	.Q	.	.	.	V	.
20.350	1.4019	0.51	.Q	.	.	.	V	.
20.367	1.4026	0.51	.Q	.	.	.	V	.
20.383	1.4033	0.51	.Q	.	.	.	V	.
20.400	1.4040	0.51	.Q	.	.	.	V	.
20.417	1.4047	0.51	.Q	.	.	.	V	.

20.433	1.4054	0.50	.Q	.	.	.	V	.
20.450	1.4061	0.50	.Q	.	.	.	V	.
20.467	1.4068	0.50	.Q	.	.	.	V	.
20.483	1.4075	0.50	.Q	.	.	.	V	.
20.500	1.4082	0.50	.Q	.	.	.	V	.
20.517	1.4089	0.50	.Q	.	.	.	V	.
20.533	1.4095	0.50	.Q	.	.	.	V	.
20.550	1.4102	0.50	.Q	.	.	.	V	.
20.567	1.4109	0.50	.Q	.	.	.	V	.
20.583	1.4116	0.50	.Q	.	.	.	V	.
20.600	1.4123	0.50	.Q	.	.	.	V	.
20.617	1.4130	0.49	.Q	.	.	.	V	.
20.633	1.4136	0.49	.Q	.	.	.	V	.
20.650	1.4143	0.49	.Q	.	.	.	V	.
20.667	1.4150	0.49	.Q	.	.	.	V	.
20.683	1.4157	0.49	.Q	.	.	.	V	.
20.700	1.4163	0.49	.Q	.	.	.	V	.
20.717	1.4170	0.49	.Q	.	.	.	V	.
20.733	1.4177	0.49	.Q	.	.	.	V	.
20.750	1.4184	0.49	.Q	.	.	.	V	.
20.767	1.4190	0.49	.Q	.	.	.	V	.
20.783	1.4197	0.48	.Q	.	.	.	V	.
20.800	1.4204	0.48	.Q	.	.	.	V	.
20.817	1.4210	0.48	.Q	.	.	.	V	.
20.833	1.4217	0.48	.Q	.	.	.	V	.
20.850	1.4224	0.48	.Q	.	.	.	V	.
20.867	1.4230	0.48	.Q	.	.	.	V	.
20.883	1.4237	0.48	.Q	.	.	.	V	.
20.900	1.4243	0.48	.Q	.	.	.	V	.
20.917	1.4250	0.48	.Q	.	.	.	V	.
20.933	1.4257	0.48	.Q	.	.	.	V	.
20.950	1.4263	0.48	.Q	.	.	.	V	.
20.967	1.4270	0.48	.Q	.	.	.	V	.
20.983	1.4276	0.47	.Q	.	.	.	V	.
21.000	1.4283	0.47	.Q	.	.	.	V	.
21.017	1.4289	0.47	.Q	.	.	.	V	.
21.033	1.4296	0.47	.Q	.	.	.	V	.
21.050	1.4302	0.47	.Q	.	.	.	V	.
21.067	1.4309	0.47	.Q	.	.	.	V	.
21.083	1.4315	0.47	.Q	.	.	.	V	.
21.100	1.4322	0.47	.Q	.	.	.	V	.
21.117	1.4328	0.47	.Q	.	.	.	V	.
21.133	1.4335	0.47	.Q	.	.	.	V	.
21.150	1.4341	0.47	.Q	.	.	.	V	.
21.167	1.4347	0.47	.Q	.	.	.	V	.
21.183	1.4354	0.46	.Q	.	.	.	V	.
21.200	1.4360	0.46	.Q	.	.	.	V	.
21.217	1.4367	0.46	.Q	.	.	.	V	.
21.233	1.4373	0.46	.Q	.	.	.	V	.
21.250	1.4379	0.46	.Q	.	.	.	V	.

21.267	1.4386	0.46	.Q	.	.	.	V	.
21.283	1.4392	0.46	.Q	.	.	.	V	.
21.300	1.4398	0.46	.Q	.	.	.	V	.
21.317	1.4405	0.46	.Q	.	.	.	V	.
21.333	1.4411	0.46	.Q	.	.	.	V	.
21.350	1.4417	0.46	.Q	.	.	.	V	.
21.367	1.4424	0.46	.Q	.	.	.	V	.
21.383	1.4430	0.46	.Q	.	.	.	V	.
21.400	1.4436	0.45	.Q	.	.	.	V	.
21.417	1.4442	0.45	.Q	.	.	.	V	.
21.433	1.4449	0.45	.Q	.	.	.	V	.
21.450	1.4455	0.45	.Q	.	.	.	V	.
21.467	1.4461	0.45	.Q	.	.	.	V	.
21.483	1.4467	0.45	.Q	.	.	.	V	.
21.500	1.4473	0.45	.Q	.	.	.	V	.
21.517	1.4480	0.45	.Q	.	.	.	V	.
21.533	1.4486	0.45	.Q	.	.	.	V	.
21.550	1.4492	0.45	.Q	.	.	.	V	.
21.567	1.4498	0.45	.Q	.	.	.	V	.
21.583	1.4504	0.45	.Q	.	.	.	V	.
21.600	1.4510	0.45	.Q	.	.	.	V	.
21.617	1.4517	0.45	.Q	.	.	.	V	.
21.633	1.4523	0.44	.Q	.	.	.	V	.
21.650	1.4529	0.44	.Q	.	.	.	V	.
21.667	1.4535	0.44	.Q	.	.	.	V	.
21.683	1.4541	0.44	.Q	.	.	.	V	.
21.700	1.4547	0.44	.Q	.	.	.	V	.
21.717	1.4553	0.44	.Q	.	.	.	V	.
21.733	1.4559	0.44	.Q	.	.	.	V	.
21.750	1.4565	0.44	.Q	.	.	.	V	.
21.767	1.4571	0.44	.Q	.	.	.	V	.
21.783	1.4578	0.44	.Q	.	.	.	V	.
21.800	1.4584	0.44	.Q	.	.	.	V	.
21.817	1.4590	0.44	.Q	.	.	.	V	.
21.833	1.4596	0.44	.Q	.	.	.	V	.
21.850	1.4602	0.44	.Q	.	.	.	V	.
21.867	1.4608	0.44	.Q	.	.	.	V	.
21.883	1.4614	0.44	.Q	.	.	.	V	.
21.900	1.4620	0.43	.Q	.	.	.	V	.
21.917	1.4626	0.43	.Q	.	.	.	V	.
21.933	1.4632	0.43	.Q	.	.	.	V	.
21.950	1.4637	0.43	.Q	.	.	.	V	.
21.967	1.4643	0.43	.Q	.	.	.	V	.
21.983	1.4649	0.43	.Q	.	.	.	V	.
22.000	1.4655	0.43	.Q	.	.	.	V	.
22.017	1.4661	0.43	.Q	.	.	.	V	.
22.033	1.4667	0.43	.Q	.	.	.	V	.
22.050	1.4673	0.43	.Q	.	.	.	V	.
22.067	1.4679	0.43	.Q	.	.	.	V	.
22.083	1.4685	0.43	.Q	.	.	.	V	.

22.100	1.4691	0.43	.Q	.	.	.	V .
22.117	1.4697	0.43	.Q	.	.	.	V .
22.133	1.4702	0.43	.Q	.	.	.	V .
22.150	1.4708	0.43	.Q	.	.	.	V .
22.167	1.4714	0.42	.Q	.	.	.	V .
22.183	1.4720	0.42	.Q	.	.	.	V .
22.200	1.4726	0.42	.Q	.	.	.	V .
22.217	1.4732	0.42	.Q	.	.	.	V .
22.233	1.4737	0.42	.Q	.	.	.	V .
22.250	1.4743	0.42	.Q	.	.	.	V .
22.267	1.4749	0.42	.Q	.	.	.	V .
22.283	1.4755	0.42	.Q	.	.	.	V .
22.300	1.4761	0.42	.Q	.	.	.	V .
22.317	1.4766	0.42	.Q	.	.	.	V .
22.333	1.4772	0.42	.Q	.	.	.	V .
22.350	1.4778	0.42	.Q	.	.	.	V .
22.367	1.4784	0.42	.Q	.	.	.	V .
22.383	1.4789	0.42	.Q	.	.	.	V .
22.400	1.4795	0.42	.Q	.	.	.	V .
22.417	1.4801	0.42	.Q	.	.	.	V .
22.433	1.4807	0.42	.Q	.	.	.	V .
22.450	1.4812	0.41	.Q	.	.	.	V .
22.467	1.4818	0.41	.Q	.	.	.	V .
22.483	1.4824	0.41	.Q	.	.	.	V .
22.500	1.4829	0.41	.Q	.	.	.	V .
22.517	1.4835	0.41	.Q	.	.	.	V .
22.533	1.4841	0.41	.Q	.	.	.	V .
22.550	1.4846	0.41	.Q	.	.	.	V .
22.567	1.4852	0.41	.Q	.	.	.	V .
22.583	1.4858	0.41	.Q	.	.	.	V .
22.600	1.4863	0.41	.Q	.	.	.	V .
22.617	1.4869	0.41	.Q	.	.	.	V .
22.633	1.4875	0.41	.Q	.	.	.	V .
22.650	1.4880	0.41	.Q	.	.	.	V .
22.667	1.4886	0.41	.Q	.	.	.	V .
22.683	1.4891	0.41	.Q	.	.	.	V .
22.700	1.4897	0.41	.Q	.	.	.	V .
22.717	1.4903	0.41	.Q	.	.	.	V .
22.733	1.4908	0.41	.Q	.	.	.	V .
22.750	1.4914	0.40	.Q	.	.	.	V .
22.767	1.4919	0.40	.Q	.	.	.	V .
22.783	1.4925	0.40	.Q	.	.	.	V .
22.800	1.4930	0.40	.Q	.	.	.	V .
22.817	1.4936	0.40	.Q	.	.	.	V .
22.833	1.4942	0.40	.Q	.	.	.	V .
22.850	1.4947	0.40	.Q	.	.	.	V .
22.867	1.4953	0.40	.Q	.	.	.	V .
22.883	1.4958	0.40	.Q	.	.	.	V .
22.900	1.4964	0.40	.Q	.	.	.	V .
22.917	1.4969	0.40	.Q	.	.	.	V .

22.933	1.4975	0.40	.Q	.	.	.	V .
22.950	1.4980	0.40	.Q	.	.	.	V .
22.967	1.4986	0.40	.Q	.	.	.	V .
22.983	1.4991	0.40	.Q	.	.	.	V .
23.000	1.4997	0.40	.Q	.	.	.	V .
23.017	1.5002	0.40	.Q	.	.	.	V .
23.033	1.5008	0.40	.Q	.	.	.	V .
23.050	1.5013	0.40	.Q	.	.	.	V .
23.067	1.5018	0.40	.Q	.	.	.	V.
23.083	1.5024	0.39	.Q	.	.	.	V.
23.100	1.5029	0.39	.Q	.	.	.	V.
23.117	1.5035	0.39	.Q	.	.	.	V.
23.133	1.5040	0.39	.Q	.	.	.	V.
23.150	1.5046	0.39	.Q	.	.	.	V.
23.167	1.5051	0.39	.Q	.	.	.	V.
23.183	1.5056	0.39	.Q	.	.	.	V.
23.200	1.5062	0.39	.Q	.	.	.	V.
23.217	1.5067	0.39	.Q	.	.	.	V.
23.233	1.5073	0.39	.Q	.	.	.	V.
23.250	1.5078	0.39	.Q	.	.	.	V.
23.267	1.5083	0.39	.Q	.	.	.	V.
23.283	1.5089	0.39	.Q	.	.	.	V.
23.300	1.5094	0.39	.Q	.	.	.	V.
23.317	1.5099	0.39	.Q	.	.	.	V.
23.333	1.5105	0.39	.Q	.	.	.	V.
23.350	1.5110	0.39	.Q	.	.	.	V.
23.367	1.5115	0.39	.Q	.	.	.	V.
23.383	1.5121	0.39	.Q	.	.	.	V.
23.400	1.5126	0.39	.Q	.	.	.	V.
23.417	1.5131	0.39	.Q	.	.	.	V.
23.433	1.5137	0.39	.Q	.	.	.	V.
23.450	1.5142	0.38	.Q	.	.	.	V.
23.467	1.5147	0.38	.Q	.	.	.	V.
23.483	1.5152	0.38	.Q	.	.	.	V.
23.500	1.5158	0.38	.Q	.	.	.	V.
23.517	1.5163	0.38	.Q	.	.	.	V.
23.533	1.5168	0.38	.Q	.	.	.	V.
23.550	1.5174	0.38	.Q	.	.	.	V.
23.567	1.5179	0.38	.Q	.	.	.	V.
23.583	1.5184	0.38	.Q	.	.	.	V.
23.600	1.5189	0.38	.Q	.	.	.	V.
23.617	1.5195	0.38	.Q	.	.	.	V.
23.633	1.5200	0.38	.Q	.	.	.	V.
23.650	1.5205	0.38	.Q	.	.	.	V.
23.667	1.5210	0.38	.Q	.	.	.	V.
23.683	1.5215	0.38	.Q	.	.	.	V.
23.700	1.5221	0.38	.Q	.	.	.	V.
23.717	1.5226	0.38	.Q	.	.	.	V.
23.733	1.5231	0.38	.Q	.	.	.	V.
23.750	1.5236	0.38	.Q	.	.	.	V.

23.767	1.5241	0.38	.Q	.	.	.	V.
23.783	1.5247	0.38	.Q	.	.	.	V.
23.800	1.5252	0.38	.Q	.	.	.	V.
23.817	1.5257	0.38	.Q	.	.	.	V.
23.833	1.5262	0.37	.Q	.	.	.	V.
23.850	1.5267	0.37	.Q	.	.	.	V.
23.867	1.5272	0.37	.Q	.	.	.	V.
23.883	1.5278	0.37	.Q	.	.	.	V.
23.900	1.5283	0.37	.Q	.	.	.	V.
23.917	1.5288	0.37	.Q	.	.	.	V.
23.933	1.5293	0.37	.Q	.	.	.	V.
23.950	1.5298	0.37	.Q	.	.	.	V.
23.967	1.5303	0.37	.Q	.	.	.	V.
23.983	1.5308	0.37	.Q	.	.	.	V.
24.000	1.5313	0.37	.Q	.	.	.	V.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1441.0
10%	715.0
20%	300.0
30%	170.0
40%	110.0
50%	95.0
60%	75.0
70%	55.0
80%	35.0
90%	20.0

****
FLOW PROCESS FROM NODE 110.00 TO NODE 110.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

STREAM HYDROGRAPH IN ONE-MINUTE UNIT INTERVALS(CFS)
(Notes: Time indicated is at END of Each Unit Intervals.
Peak 5-minute rainfall intensity is modeled as
a constant value for entire 5-minute period.)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	5.0	10.0	15.0	20.0
0.017	0.0000	0.00	Q	.	.	.	.
0.033	0.0000	0.00	Q	.	.	.	.

0.050	0.0000	0.00	Q	.	.	.	.
0.067	0.0000	0.00	Q	.	.	.	.
0.083	0.0000	0.00	Q	.	.	.	.
0.100	0.0000	0.02	Q	.	.	.	.
0.117	0.0001	0.05	Q	.	.	.	.
0.133	0.0002	0.08	Q	.	.	.	.
0.150	0.0004	0.11	Q	.	.	.	.
0.167	0.0006	0.14	Q	.	.	.	.
0.183	0.0008	0.17	Q	.	.	.	.
0.200	0.0011	0.19	Q	.	.	.	.
0.217	0.0014	0.22	Q	.	.	.	.
0.233	0.0017	0.25	Q	.	.	.	.
0.250	0.0021	0.28	Q	.	.	.	.
0.267	0.0025	0.31	Q	.	.	.	.
0.283	0.0030	0.34	Q	.	.	.	.
0.300	0.0035	0.36	Q	.	.	.	.
0.317	0.0040	0.37	Q	.	.	.	.
0.333	0.0045	0.37	Q	.	.	.	.
0.350	0.0050	0.37	Q	.	.	.	.
0.367	0.0055	0.37	Q	.	.	.	.
0.383	0.0060	0.37	Q	.	.	.	.
0.400	0.0065	0.37	Q	.	.	.	.
0.417	0.0070	0.37	Q	.	.	.	.
0.433	0.0076	0.37	Q	.	.	.	.
0.450	0.0081	0.37	Q	.	.	.	.
0.467	0.0086	0.37	Q	.	.	.	.
0.483	0.0091	0.37	Q	.	.	.	.
0.500	0.0096	0.37	Q	.	.	.	.
0.517	0.0101	0.37	Q	.	.	.	.
0.533	0.0106	0.37	Q	.	.	.	.
0.550	0.0111	0.37	Q	.	.	.	.
0.567	0.0116	0.37	Q	.	.	.	.
0.583	0.0121	0.37	Q	.	.	.	.
0.600	0.0126	0.37	Q	.	.	.	.
0.617	0.0132	0.37	Q	.	.	.	.
0.633	0.0137	0.37	Q	.	.	.	.
0.650	0.0142	0.37	Q	.	.	.	.
0.667	0.0147	0.37	Q	.	.	.	.
0.683	0.0152	0.37	Q	.	.	.	.
0.700	0.0157	0.37	Q	.	.	.	.
0.717	0.0162	0.37	Q	.	.	.	.
0.733	0.0167	0.37	Q	.	.	.	.
0.750	0.0173	0.37	Q	.	.	.	.
0.767	0.0178	0.37	Q	.	.	.	.
0.783	0.0183	0.37	Q	.	.	.	.
0.800	0.0188	0.37	Q	.	.	.	.
0.817	0.0193	0.37	Q	.	.	.	.
0.833	0.0198	0.37	Q	.	.	.	.
0.850	0.0204	0.37	Q	.	.	.	.
0.867	0.0209	0.37	Q	.	.	.	.

0.883	0.0214	0.37	Q	.	.	.	.
0.900	0.0219	0.37	Q	.	.	.	.
0.917	0.0224	0.37	Q	.	.	.	.
0.933	0.0229	0.37	Q	.	.	.	.
0.950	0.0234	0.37	Q	.	.	.	.
0.967	0.0240	0.38	Q	.	.	.	.
0.983	0.0245	0.38	Q	.	.	.	.
1.000	0.0250	0.38	Q	.	.	.	.
1.017	0.0255	0.38	Q	.	.	.	.
1.033	0.0260	0.38	Q	.	.	.	.
1.050	0.0266	0.38	Q	.	.	.	.
1.067	0.0271	0.38	Q	.	.	.	.
1.083	0.0276	0.38	Q	.	.	.	.
1.100	0.0281	0.38	Q	.	.	.	.
1.117	0.0286	0.38	Q	.	.	.	.
1.133	0.0292	0.38	Q	.	.	.	.
1.150	0.0297	0.38	Q	.	.	.	.
1.167	0.0302	0.38	Q	.	.	.	.
1.183	0.0307	0.38	Q	.	.	.	.
1.200	0.0312	0.38	Q	.	.	.	.
1.217	0.0318	0.38	Q	.	.	.	.
1.233	0.0323	0.38	Q	.	.	.	.
1.250	0.0328	0.38	Q	.	.	.	.
1.267	0.0333	0.38	Q	.	.	.	.
1.283	0.0339	0.38	Q	.	.	.	.
1.300	0.0344	0.38	Q	.	.	.	.
1.317	0.0349	0.38	Q	.	.	.	.
1.333	0.0354	0.38	Q	.	.	.	.
1.350	0.0359	0.38	Q	.	.	.	.
1.367	0.0365	0.38	Q	.	.	.	.
1.383	0.0370	0.38	Q	.	.	.	.
1.400	0.0375	0.38	Q	.	.	.	.
1.417	0.0380	0.38	Q	.	.	.	.
1.433	0.0386	0.38	QV	.	.	.	.
1.450	0.0391	0.38	QV	.	.	.	.
1.467	0.0396	0.38	QV	.	.	.	.
1.483	0.0401	0.38	QV	.	.	.	.
1.500	0.0407	0.38	QV	.	.	.	.
1.517	0.0412	0.38	QV	.	.	.	.
1.533	0.0417	0.38	QV	.	.	.	.
1.550	0.0423	0.38	QV	.	.	.	.
1.567	0.0428	0.38	QV	.	.	.	.
1.583	0.0433	0.38	QV	.	.	.	.
1.600	0.0438	0.38	QV	.	.	.	.
1.617	0.0444	0.38	QV	.	.	.	.
1.633	0.0449	0.38	QV	.	.	.	.
1.650	0.0454	0.38	QV	.	.	.	.
1.667	0.0460	0.38	QV	.	.	.	.
1.683	0.0465	0.38	QV	.	.	.	.
1.700	0.0470	0.39	QV	.	.	.	.

1.717	0.0476	0.39	QV	.	.	.	.
1.733	0.0481	0.39	QV	.	.	.	.
1.750	0.0486	0.39	QV	.	.	.	.
1.767	0.0491	0.39	QV	.	.	.	.
1.783	0.0497	0.39	QV	.	.	.	.
1.800	0.0502	0.39	QV	.	.	.	.
1.817	0.0507	0.39	QV	.	.	.	.
1.833	0.0513	0.39	QV	.	.	.	.
1.850	0.0518	0.39	QV	.	.	.	.
1.867	0.0523	0.39	QV	.	.	.	.
1.883	0.0529	0.39	QV	.	.	.	.
1.900	0.0534	0.39	QV	.	.	.	.
1.917	0.0539	0.39	QV	.	.	.	.
1.933	0.0545	0.39	QV	.	.	.	.
1.950	0.0550	0.39	QV	.	.	.	.
1.967	0.0556	0.39	QV	.	.	.	.
1.983	0.0561	0.39	QV	.	.	.	.
2.000	0.0566	0.39	QV	.	.	.	.
2.017	0.0572	0.39	QV	.	.	.	.
2.033	0.0577	0.39	QV	.	.	.	.
2.050	0.0582	0.39	QV	.	.	.	.
2.067	0.0588	0.39	QV	.	.	.	.
2.083	0.0593	0.39	QV	.	.	.	.
2.100	0.0599	0.39	QV	.	.	.	.
2.117	0.0604	0.39	QV	.	.	.	.
2.133	0.0609	0.39	QV	.	.	.	.
2.150	0.0615	0.39	QV	.	.	.	.
2.167	0.0620	0.39	QV	.	.	.	.
2.183	0.0625	0.39	QV	.	.	.	.
2.200	0.0631	0.39	QV	.	.	.	.
2.217	0.0636	0.39	QV	.	.	.	.
2.233	0.0642	0.39	QV	.	.	.	.
2.250	0.0647	0.39	QV	.	.	.	.
2.267	0.0652	0.39	QV	.	.	.	.
2.283	0.0658	0.39	QV	.	.	.	.
2.300	0.0663	0.39	QV	.	.	.	.
2.317	0.0669	0.39	QV	.	.	.	.
2.333	0.0674	0.39	QV	.	.	.	.
2.350	0.0680	0.39	QV	.	.	.	.
2.367	0.0685	0.39	QV	.	.	.	.
2.383	0.0690	0.39	QV	.	.	.	.
2.400	0.0696	0.40	QV	.	.	.	.
2.417	0.0701	0.40	QV	.	.	.	.
2.433	0.0707	0.40	QV	.	.	.	.
2.450	0.0712	0.40	QV	.	.	.	.
2.467	0.0718	0.40	QV	.	.	.	.
2.483	0.0723	0.40	QV	.	.	.	.
2.500	0.0729	0.40	QV	.	.	.	.
2.517	0.0734	0.40	QV	.	.	.	.
2.533	0.0740	0.40	QV	.	.	.	.

2.550	0.0745	0.40	QV	.	.	.	.
2.567	0.0750	0.40	QV	.	.	.	.
2.583	0.0756	0.40	QV	.	.	.	.
2.600	0.0761	0.40	QV	.	.	.	.
2.617	0.0767	0.40	QV	.	.	.	.
2.633	0.0772	0.40	Q V	.	.	.	.
2.650	0.0778	0.40	Q V	.	.	.	.
2.667	0.0783	0.40	Q V	.	.	.	.
2.683	0.0789	0.40	Q V	.	.	.	.
2.700	0.0794	0.40	Q V	.	.	.	.
2.717	0.0800	0.40	Q V	.	.	.	.
2.733	0.0805	0.40	Q V	.	.	.	.
2.750	0.0811	0.40	Q V	.	.	.	.
2.767	0.0816	0.40	Q V	.	.	.	.
2.783	0.0822	0.40	Q V	.	.	.	.
2.800	0.0827	0.40	Q V	.	.	.	.
2.817	0.0833	0.40	Q V	.	.	.	.
2.833	0.0838	0.40	Q V	.	.	.	.
2.850	0.0844	0.40	Q V	.	.	.	.
2.867	0.0850	0.40	Q V	.	.	.	.
2.883	0.0855	0.40	Q V	.	.	.	.
2.900	0.0861	0.40	Q V	.	.	.	.
2.917	0.0866	0.40	Q V	.	.	.	.
2.933	0.0872	0.40	Q V	.	.	.	.
2.950	0.0877	0.40	Q V	.	.	.	.
2.967	0.0883	0.40	Q V	.	.	.	.
2.983	0.0888	0.40	Q V	.	.	.	.
3.000	0.0894	0.40	Q V	.	.	.	.
3.017	0.0900	0.40	Q V	.	.	.	.
3.033	0.0905	0.40	Q V	.	.	.	.
3.050	0.0911	0.40	Q V	.	.	.	.
3.067	0.0916	0.40	Q V	.	.	.	.
3.083	0.0922	0.40	Q V	.	.	.	.
3.100	0.0927	0.40	Q V	.	.	.	.
3.117	0.0933	0.41	Q V	.	.	.	.
3.133	0.0939	0.41	Q V	.	.	.	.
3.150	0.0944	0.41	Q V	.	.	.	.
3.167	0.0950	0.41	Q V	.	.	.	.
3.183	0.0955	0.41	Q V	.	.	.	.
3.200	0.0961	0.41	Q V	.	.	.	.
3.217	0.0967	0.41	Q V	.	.	.	.
3.233	0.0972	0.41	Q V	.	.	.	.
3.250	0.0978	0.41	Q V	.	.	.	.
3.267	0.0983	0.41	Q V	.	.	.	.
3.283	0.0989	0.41	Q V	.	.	.	.
3.300	0.0995	0.41	Q V	.	.	.	.
3.317	0.1000	0.41	Q V	.	.	.	.
3.333	0.1006	0.41	Q V	.	.	.	.
3.350	0.1012	0.41	Q V	.	.	.	.
3.367	0.1017	0.41	Q V	.	.	.	.

3.383	0.1023	0.41	Q	V	.	.	.	.
3.400	0.1029	0.41	Q	V	.	.	.	.
3.417	0.1034	0.41	Q	V	.	.	.	.
3.433	0.1040	0.41	Q	V	.	.	.	.
3.450	0.1046	0.41	Q	V	.	.	.	.
3.467	0.1051	0.41	Q	V	.	.	.	.
3.483	0.1057	0.41	Q	V	.	.	.	.
3.500	0.1063	0.41	Q	V	.	.	.	.
3.517	0.1068	0.41	Q	V	.	.	.	.
3.533	0.1074	0.41	Q	V	.	.	.	.
3.550	0.1080	0.41	Q	V	.	.	.	.
3.567	0.1085	0.41	Q	V	.	.	.	.
3.583	0.1091	0.41	Q	V	.	.	.	.
3.600	0.1097	0.41	Q	V	.	.	.	.
3.617	0.1102	0.41	Q	V	.	.	.	.
3.633	0.1108	0.41	Q	V	.	.	.	.
3.650	0.1114	0.41	Q	V	.	.	.	.
3.667	0.1119	0.41	Q	V	.	.	.	.
3.683	0.1125	0.42	Q	V	.	.	.	.
3.700	0.1131	0.42	Q	V	.	.	.	.
3.717	0.1137	0.42	Q	V	.	.	.	.
3.733	0.1142	0.42	Q	V	.	.	.	.
3.750	0.1148	0.42	Q	V	.	.	.	.
3.767	0.1154	0.42	Q	V	.	.	.	.
3.783	0.1160	0.42	Q	V	.	.	.	.
3.800	0.1165	0.42	Q	V	.	.	.	.
3.817	0.1171	0.42	Q	V	.	.	.	.
3.833	0.1177	0.42	Q	V	.	.	.	.
3.850	0.1183	0.42	Q	V	.	.	.	.
3.867	0.1188	0.42	Q	V	.	.	.	.
3.883	0.1194	0.42	Q	V	.	.	.	.
3.900	0.1200	0.42	Q	V	.	.	.	.
3.917	0.1206	0.42	Q	V	.	.	.	.
3.933	0.1211	0.42	Q	V	.	.	.	.
3.950	0.1217	0.42	Q	V	.	.	.	.
3.967	0.1223	0.42	Q	V	.	.	.	.
3.983	0.1229	0.42	Q	V	.	.	.	.
4.000	0.1235	0.42	Q	V	.	.	.	.
4.017	0.1240	0.42	Q	V	.	.	.	.
4.033	0.1246	0.42	Q	V	.	.	.	.
4.050	0.1252	0.42	Q	V	.	.	.	.
4.067	0.1258	0.42	Q	V	.	.	.	.
4.083	0.1264	0.42	Q	V	.	.	.	.
4.100	0.1269	0.42	Q	V	.	.	.	.
4.117	0.1275	0.42	Q	V	.	.	.	.
4.133	0.1281	0.42	Q	V	.	.	.	.
4.150	0.1287	0.42	Q	V	.	.	.	.
4.167	0.1293	0.42	Q	V	.	.	.	.
4.183	0.1299	0.42	Q	V	.	.	.	.
4.200	0.1304	0.42	Q	V	.	.	.	.

4.217	0.1310	0.42	Q	V	.	.	.	.
4.233	0.1316	0.42	Q	V	.	.	.	.
4.250	0.1322	0.42	Q	V	.	.	.	.
4.267	0.1328	0.43	Q	V	.	.	.	.
4.283	0.1334	0.43	Q	V	.	.	.	.
4.300	0.1340	0.43	Q	V	.	.	.	.
4.317	0.1345	0.43	Q	V	.	.	.	.
4.333	0.1351	0.43	Q	V	.	.	.	.
4.350	0.1357	0.43	Q	V	.	.	.	.
4.367	0.1363	0.43	Q	V	.	.	.	.
4.383	0.1369	0.43	Q	V	.	.	.	.
4.400	0.1375	0.43	Q	V	.	.	.	.
4.417	0.1381	0.43	Q	V	.	.	.	.
4.433	0.1387	0.43	Q	V	.	.	.	.
4.450	0.1392	0.43	Q	V	.	.	.	.
4.467	0.1398	0.43	Q	V	.	.	.	.
4.483	0.1404	0.43	Q	V	.	.	.	.
4.500	0.1410	0.43	Q	V	.	.	.	.
4.517	0.1416	0.43	Q	V	.	.	.	.
4.533	0.1422	0.43	Q	V	.	.	.	.
4.550	0.1428	0.43	Q	V	.	.	.	.
4.567	0.1434	0.43	Q	V	.	.	.	.
4.583	0.1440	0.43	Q	V	.	.	.	.
4.600	0.1446	0.43	Q	V	.	.	.	.
4.617	0.1452	0.43	Q	V	.	.	.	.
4.633	0.1458	0.43	Q	V	.	.	.	.
4.650	0.1464	0.43	Q	V	.	.	.	.
4.667	0.1470	0.43	Q	V	.	.	.	.
4.683	0.1476	0.43	Q	V	.	.	.	.
4.700	0.1481	0.43	Q	V	.	.	.	.
4.717	0.1487	0.43	Q	V	.	.	.	.
4.733	0.1493	0.43	Q	V	.	.	.	.
4.750	0.1499	0.43	Q	V	.	.	.	.
4.767	0.1505	0.43	Q	V	.	.	.	.
4.783	0.1511	0.43	Q	V	.	.	.	.
4.800	0.1517	0.43	Q	V	.	.	.	.
4.817	0.1523	0.43	Q	V	.	.	.	.
4.833	0.1529	0.44	Q	V	.	.	.	.
4.850	0.1535	0.44	Q	V	.	.	.	.
4.867	0.1541	0.44	Q	V	.	.	.	.
4.883	0.1547	0.44	Q	V	.	.	.	.
4.900	0.1553	0.44	Q	V	.	.	.	.
4.917	0.1559	0.44	Q	V	.	.	.	.
4.933	0.1565	0.44	Q	V	.	.	.	.
4.950	0.1571	0.44	Q	V	.	.	.	.
4.967	0.1577	0.44	Q	V	.	.	.	.
4.983	0.1584	0.44	Q	V	.	.	.	.
5.000	0.1590	0.44	Q	V	.	.	.	.
5.017	0.1596	0.44	Q	V	.	.	.	.
5.033	0.1602	0.44	Q	V	.	.	.	.

5.050	0.1608	0.44	Q	V	.	.	.	.
5.067	0.1614	0.44	Q	V	.	.	.	.
5.083	0.1620	0.44	Q	V	.	.	.	.
5.100	0.1626	0.44	Q	V	.	.	.	.
5.117	0.1632	0.44	Q	V	.	.	.	.
5.133	0.1638	0.44	Q	V	.	.	.	.
5.150	0.1644	0.44	Q	V	.	.	.	.
5.167	0.1650	0.44	Q	V	.	.	.	.
5.183	0.1656	0.44	Q	V	.	.	.	.
5.200	0.1663	0.44	Q	V	.	.	.	.
5.217	0.1669	0.44	Q	V	.	.	.	.
5.233	0.1675	0.44	Q	V	.	.	.	.
5.250	0.1681	0.44	Q	V	.	.	.	.
5.267	0.1687	0.44	Q	V	.	.	.	.
5.283	0.1693	0.44	Q	V	.	.	.	.
5.300	0.1699	0.44	Q	V	.	.	.	.
5.317	0.1705	0.45	Q	V	.	.	.	.
5.333	0.1711	0.45	Q	V	.	.	.	.
5.350	0.1718	0.45	Q	V	.	.	.	.
5.367	0.1724	0.45	Q	V	.	.	.	.
5.383	0.1730	0.45	Q	V	.	.	.	.
5.400	0.1736	0.45	Q	V	.	.	.	.
5.417	0.1742	0.45	Q	V	.	.	.	.
5.433	0.1748	0.45	Q	V	.	.	.	.
5.450	0.1755	0.45	Q	V	.	.	.	.
5.467	0.1761	0.45	Q	V	.	.	.	.
5.483	0.1767	0.45	Q	V	.	.	.	.
5.500	0.1773	0.45	Q	V	.	.	.	.
5.517	0.1779	0.45	Q	V	.	.	.	.
5.533	0.1786	0.45	Q	V	.	.	.	.
5.550	0.1792	0.45	Q	V	.	.	.	.
5.567	0.1798	0.45	Q	V	.	.	.	.
5.583	0.1804	0.45	Q	V	.	.	.	.
5.600	0.1810	0.45	Q	V	.	.	.	.
5.617	0.1817	0.45	Q	V	.	.	.	.
5.633	0.1823	0.45	Q	V	.	.	.	.
5.650	0.1829	0.45	Q	V	.	.	.	.
5.667	0.1835	0.45	Q	V	.	.	.	.
5.683	0.1842	0.45	Q	V	.	.	.	.
5.700	0.1848	0.45	Q	V	.	.	.	.
5.717	0.1854	0.45	Q	V	.	.	.	.
5.733	0.1860	0.45	Q	V	.	.	.	.
5.750	0.1867	0.45	Q	V	.	.	.	.
5.767	0.1873	0.45	Q	V	.	.	.	.
5.783	0.1879	0.46	Q	V	.	.	.	.
5.800	0.1885	0.46	Q	V	.	.	.	.
5.817	0.1892	0.46	Q	V	.	.	.	.
5.833	0.1898	0.46	Q	V	.	.	.	.
5.850	0.1904	0.46	Q	V	.	.	.	.
5.867	0.1911	0.46	Q	V	.	.	.	.

5.883	0.1917	0.46	Q	V	.	.	.	.
5.900	0.1923	0.46	Q	V	.	.	.	.
5.917	0.1930	0.46	Q	V	.	.	.	.
5.933	0.1936	0.46	Q	V	.	.	.	.
5.950	0.1942	0.46	Q	V	.	.	.	.
5.967	0.1948	0.46	Q	V	.	.	.	.
5.983	0.1955	0.46	Q	V	.	.	.	.
6.000	0.1961	0.46	Q	V	.	.	.	.
6.017	0.1968	0.46	Q	V	.	.	.	.
6.033	0.1974	0.46	Q	V	.	.	.	.
6.050	0.1980	0.46	Q	V	.	.	.	.
6.067	0.1987	0.46	Q	V	.	.	.	.
6.083	0.1993	0.46	Q	V	.	.	.	.
6.100	0.1999	0.46	Q	V	.	.	.	.
6.117	0.2006	0.46	Q	V	.	.	.	.
6.133	0.2012	0.46	Q	V	.	.	.	.
6.150	0.2018	0.46	Q	V	.	.	.	.
6.167	0.2025	0.46	Q	V	.	.	.	.
6.183	0.2031	0.46	Q	V	.	.	.	.
6.200	0.2038	0.46	Q	V	.	.	.	.
6.217	0.2044	0.47	Q	V	.	.	.	.
6.233	0.2050	0.47	Q	V	.	.	.	.
6.250	0.2057	0.47	Q	V	.	.	.	.
6.267	0.2063	0.47	Q	V	.	.	.	.
6.283	0.2070	0.47	Q	V	.	.	.	.
6.300	0.2076	0.47	Q	V	.	.	.	.
6.317	0.2083	0.47	Q	V	.	.	.	.
6.333	0.2089	0.47	Q	V	.	.	.	.
6.350	0.2096	0.47	Q	V	.	.	.	.
6.367	0.2102	0.47	Q	V	.	.	.	.
6.383	0.2108	0.47	Q	V	.	.	.	.
6.400	0.2115	0.47	Q	V	.	.	.	.
6.417	0.2121	0.47	Q	V	.	.	.	.
6.433	0.2128	0.47	Q	V	.	.	.	.
6.450	0.2134	0.47	Q	V	.	.	.	.
6.467	0.2141	0.47	Q	V	.	.	.	.
6.483	0.2147	0.47	Q	V	.	.	.	.
6.500	0.2154	0.47	Q	V	.	.	.	.
6.517	0.2160	0.47	Q	V	.	.	.	.
6.533	0.2167	0.47	Q	V	.	.	.	.
6.550	0.2173	0.47	Q	V	.	.	.	.
6.567	0.2180	0.47	Q	V	.	.	.	.
6.583	0.2186	0.47	Q	V	.	.	.	.
6.600	0.2193	0.47	Q	V	.	.	.	.
6.617	0.2199	0.47	Q	V	.	.	.	.
6.633	0.2206	0.48	Q	V	.	.	.	.
6.650	0.2213	0.48	Q	V	.	.	.	.
6.667	0.2219	0.48	Q	V	.	.	.	.
6.683	0.2226	0.48	Q	V	.	.	.	.
6.700	0.2232	0.48	Q	V	.	.	.	.

6.717	0.2239	0.48	Q	V	.	.	.	.
6.733	0.2245	0.48	Q	V	.	.	.	.
6.750	0.2252	0.48	Q	V	.	.	.	.
6.767	0.2259	0.48	Q	V	.	.	.	.
6.783	0.2265	0.48	Q	V	.	.	.	.
6.800	0.2272	0.48	Q	V	.	.	.	.
6.817	0.2279	0.48	Q	V	.	.	.	.
6.833	0.2285	0.48	Q	V	.	.	.	.
6.850	0.2292	0.48	Q	V	.	.	.	.
6.867	0.2298	0.48	Q	V	.	.	.	.
6.883	0.2305	0.48	Q	V	.	.	.	.
6.900	0.2312	0.48	Q	V	.	.	.	.
6.917	0.2318	0.48	Q	V	.	.	.	.
6.933	0.2325	0.48	Q	V	.	.	.	.
6.950	0.2332	0.48	Q	V	.	.	.	.
6.967	0.2338	0.48	Q	V	.	.	.	.
6.983	0.2345	0.48	Q	V	.	.	.	.
7.000	0.2352	0.48	Q	V	.	.	.	.
7.017	0.2358	0.48	Q	V	.	.	.	.
7.033	0.2365	0.49	Q	V	.	.	.	.
7.050	0.2372	0.49	Q	V	.	.	.	.
7.067	0.2378	0.49	Q	V	.	.	.	.
7.083	0.2385	0.49	Q	V	.	.	.	.
7.100	0.2392	0.49	Q	V	.	.	.	.
7.117	0.2399	0.49	Q	V	.	.	.	.
7.133	0.2405	0.49	Q	V	.	.	.	.
7.150	0.2412	0.49	Q	V	.	.	.	.
7.167	0.2419	0.49	Q	V	.	.	.	.
7.183	0.2426	0.49	Q	V	.	.	.	.
7.200	0.2432	0.49	Q	V	.	.	.	.
7.217	0.2439	0.49	Q	V	.	.	.	.
7.233	0.2446	0.49	Q	V	.	.	.	.
7.250	0.2453	0.49	Q	V	.	.	.	.
7.267	0.2459	0.49	Q	V	.	.	.	.
7.283	0.2466	0.49	Q	V	.	.	.	.
7.300	0.2473	0.49	Q	V	.	.	.	.
7.317	0.2480	0.49	Q	V	.	.	.	.
7.333	0.2487	0.49	Q	V	.	.	.	.
7.350	0.2493	0.49	Q	V	.	.	.	.
7.367	0.2500	0.49	Q	V	.	.	.	.
7.383	0.2507	0.49	Q	V	.	.	.	.
7.400	0.2514	0.50	Q	V	.	.	.	.
7.417	0.2521	0.50	Q	V	.	.	.	.
7.433	0.2528	0.50	Q	V	.	.	.	.
7.450	0.2534	0.50	Q	V	.	.	.	.
7.467	0.2541	0.50	Q	V	.	.	.	.
7.483	0.2548	0.50	Q	V	.	.	.	.
7.500	0.2555	0.50	Q	V	.	.	.	.
7.517	0.2562	0.50	Q	V	.	.	.	.
7.533	0.2569	0.50	.Q	V	.	.	.	.

7.550	0.2576	0.50	.Q	V	.	.	.	.
7.567	0.2583	0.50	.Q	V	.	.	.	.
7.583	0.2589	0.50	.Q	V	.	.	.	.
7.600	0.2596	0.50	.Q	V	.	.	.	.
7.617	0.2603	0.50	.Q	V	.	.	.	.
7.633	0.2610	0.50	.Q	V	.	.	.	.
7.650	0.2617	0.50	.Q	V	.	.	.	.
7.667	0.2624	0.50	.Q	V	.	.	.	.
7.683	0.2631	0.50	.Q	V	.	.	.	.
7.700	0.2638	0.51	.Q	V	.	.	.	.
7.717	0.2645	0.51	.Q	V	.	.	.	.
7.733	0.2652	0.51	.Q	V	.	.	.	.
7.750	0.2659	0.51	.Q	V	.	.	.	.
7.767	0.2666	0.51	.Q	V	.	.	.	.
7.783	0.2673	0.51	.Q	V	.	.	.	.
7.800	0.2680	0.51	.Q	V	.	.	.	.
7.817	0.2687	0.51	.Q	V	.	.	.	.
7.833	0.2694	0.51	.Q	V	.	.	.	.
7.850	0.2701	0.51	.Q	V	.	.	.	.
7.867	0.2708	0.51	.Q	V	.	.	.	.
7.883	0.2715	0.51	.Q	V	.	.	.	.
7.900	0.2722	0.51	.Q	V	.	.	.	.
7.917	0.2729	0.51	.Q	V	.	.	.	.
7.933	0.2736	0.51	.Q	V	.	.	.	.
7.950	0.2743	0.51	.Q	V	.	.	.	.
7.967	0.2750	0.51	.Q	V	.	.	.	.
7.983	0.2757	0.51	.Q	V	.	.	.	.
8.000	0.2764	0.51	.Q	V	.	.	.	.
8.017	0.2771	0.52	.Q	V	.	.	.	.
8.033	0.2779	0.52	.Q	V	.	.	.	.
8.050	0.2786	0.52	.Q	V	.	.	.	.
8.067	0.2793	0.52	.Q	V	.	.	.	.
8.083	0.2800	0.52	.Q	V	.	.	.	.
8.100	0.2807	0.52	.Q	V	.	.	.	.
8.117	0.2814	0.52	.Q	V	.	.	.	.
8.133	0.2821	0.52	.Q	V	.	.	.	.
8.150	0.2828	0.52	.Q	V	.	.	.	.
8.167	0.2836	0.52	.Q	V	.	.	.	.
8.183	0.2843	0.52	.Q	V	.	.	.	.
8.200	0.2850	0.52	.Q	V	.	.	.	.
8.217	0.2857	0.52	.Q	V	.	.	.	.
8.233	0.2864	0.52	.Q	V	.	.	.	.
8.250	0.2871	0.52	.Q	V	.	.	.	.
8.267	0.2879	0.52	.Q	V	.	.	.	.
8.283	0.2886	0.52	.Q	V	.	.	.	.
8.300	0.2893	0.52	.Q	V	.	.	.	.
8.317	0.2900	0.52	.Q	V	.	.	.	.
8.333	0.2907	0.52	.Q	V	.	.	.	.
8.350	0.2915	0.53	.Q	V	.	.	.	.
8.367	0.2922	0.53	.Q	V	.	.	.	.

8.383	0.2929	0.53	.Q	V	.	.	.	.
8.400	0.2936	0.53	.Q	V	.	.	.	.
8.417	0.2944	0.53	.Q	V	.	.	.	.
8.433	0.2951	0.53	.Q	V	.	.	.	.
8.450	0.2958	0.53	.Q	V	.	.	.	.
8.467	0.2966	0.53	.Q	V	.	.	.	.
8.483	0.2973	0.53	.Q	V	.	.	.	.
8.500	0.2980	0.53	.Q	V	.	.	.	.
8.517	0.2988	0.53	.Q	V	.	.	.	.
8.533	0.2995	0.53	.Q	V	.	.	.	.
8.550	0.3002	0.53	.Q	V	.	.	.	.
8.567	0.3010	0.53	.Q	V	.	.	.	.
8.583	0.3017	0.53	.Q	V	.	.	.	.
8.600	0.3024	0.53	.Q	V	.	.	.	.
8.617	0.3032	0.53	.Q	V	.	.	.	.
8.633	0.3039	0.53	.Q	V	.	.	.	.
8.650	0.3046	0.54	.Q	V	.	.	.	.
8.667	0.3054	0.54	.Q	V	.	.	.	.
8.683	0.3061	0.54	.Q	V	.	.	.	.
8.700	0.3069	0.54	.Q	V	.	.	.	.
8.717	0.3076	0.54	.Q	V	.	.	.	.
8.733	0.3083	0.54	.Q	V	.	.	.	.
8.750	0.3091	0.54	.Q	V	.	.	.	.
8.767	0.3098	0.54	.Q	V	.	.	.	.
8.783	0.3106	0.54	.Q	V	.	.	.	.
8.800	0.3113	0.54	.Q	V	.	.	.	.
8.817	0.3121	0.54	.Q	V	.	.	.	.
8.833	0.3128	0.54	.Q	V	.	.	.	.
8.850	0.3136	0.54	.Q	V	.	.	.	.
8.867	0.3143	0.54	.Q	V	.	.	.	.
8.883	0.3151	0.55	.Q	V	.	.	.	.
8.900	0.3158	0.55	.Q	V	.	.	.	.
8.917	0.3166	0.55	.Q	V	.	.	.	.
8.933	0.3173	0.55	.Q	V	.	.	.	.
8.950	0.3181	0.55	.Q	V	.	.	.	.
8.967	0.3188	0.55	.Q	V	.	.	.	.
8.983	0.3196	0.55	.Q	V	.	.	.	.
9.000	0.3204	0.55	.Q	V	.	.	.	.
9.017	0.3211	0.55	.Q	V	.	.	.	.
9.033	0.3219	0.55	.Q	V	.	.	.	.
9.050	0.3226	0.55	.Q	V	.	.	.	.
9.067	0.3234	0.55	.Q	V	.	.	.	.
9.083	0.3241	0.55	.Q	V	.	.	.	.
9.100	0.3249	0.55	.Q	V	.	.	.	.
9.117	0.3257	0.55	.Q	V	.	.	.	.
9.133	0.3264	0.55	.Q	V	.	.	.	.
9.150	0.3272	0.55	.Q	V	.	.	.	.
9.167	0.3280	0.55	.Q	V	.	.	.	.
9.183	0.3287	0.56	.Q	V	.	.	.	.
9.200	0.3295	0.56	.Q	V	.	.	.	.

9.217	0.3303	0.56	.Q	V .	.	.	.
9.233	0.3310	0.56	.Q	V .	.	.	.
9.250	0.3318	0.56	.Q	V .	.	.	.
9.267	0.3326	0.56	.Q	V .	.	.	.
9.283	0.3333	0.56	.Q	V .	.	.	.
9.300	0.3341	0.56	.Q	V .	.	.	.
9.317	0.3349	0.56	.Q	V .	.	.	.
9.333	0.3357	0.56	.Q	V .	.	.	.
9.350	0.3364	0.56	.Q	V .	.	.	.
9.367	0.3372	0.56	.Q	V .	.	.	.
9.383	0.3380	0.57	.Q	V .	.	.	.
9.400	0.3388	0.57	.Q	V .	.	.	.
9.417	0.3396	0.57	.Q	V .	.	.	.
9.433	0.3403	0.57	.Q	V .	.	.	.
9.450	0.3411	0.57	.Q	V .	.	.	.
9.467	0.3419	0.57	.Q	V .	.	.	.
9.483	0.3427	0.57	.Q	V .	.	.	.
9.500	0.3435	0.57	.Q	V .	.	.	.
9.517	0.3443	0.57	.Q	V .	.	.	.
9.533	0.3450	0.57	.Q	V .	.	.	.
9.550	0.3458	0.57	.Q	V .	.	.	.
9.567	0.3466	0.57	.Q	V.	.	.	.
9.583	0.3474	0.57	.Q	V.	.	.	.
9.600	0.3482	0.57	.Q	V.	.	.	.
9.617	0.3490	0.57	.Q	V.	.	.	.
9.633	0.3498	0.58	.Q	V.	.	.	.
9.650	0.3506	0.58	.Q	V.	.	.	.
9.667	0.3514	0.58	.Q	V.	.	.	.
9.683	0.3522	0.58	.Q	V.	.	.	.
9.700	0.3530	0.58	.Q	V.	.	.	.
9.717	0.3538	0.58	.Q	V.	.	.	.
9.733	0.3546	0.58	.Q	V.	.	.	.
9.750	0.3554	0.58	.Q	V.	.	.	.
9.767	0.3562	0.58	.Q	V.	.	.	.
9.783	0.3570	0.58	.Q	V.	.	.	.
9.800	0.3578	0.58	.Q	V.	.	.	.
9.817	0.3586	0.58	.Q	V.	.	.	.
9.833	0.3594	0.59	.Q	V.	.	.	.
9.850	0.3602	0.59	.Q	V.	.	.	.
9.867	0.3610	0.59	.Q	V.	.	.	.
9.883	0.3618	0.59	.Q	V.	.	.	.
9.900	0.3626	0.59	.Q	V.	.	.	.
9.917	0.3634	0.59	.Q	V.	.	.	.
9.933	0.3642	0.59	.Q	V.	.	.	.
9.950	0.3650	0.59	.Q	V.	.	.	.
9.967	0.3659	0.59	.Q	V.	.	.	.
9.983	0.3667	0.59	.Q	V.	.	.	.
10.000	0.3675	0.59	.Q	V.	.	.	.
10.017	0.3683	0.59	.Q	V.	.	.	.
10.033	0.3691	0.59	.Q	V.	.	.	.

10.050	0.3699	0.59	.Q	V.	.	.	.
10.067	0.3708	0.60	.Q	V.	.	.	.
10.083	0.3716	0.60	.Q	V.	.	.	.
10.100	0.3724	0.60	.Q	V.	.	.	.
10.117	0.3732	0.60	.Q	V.	.	.	.
10.133	0.3740	0.60	.Q	V.	.	.	.
10.150	0.3749	0.60	.Q	V.	.	.	.
10.167	0.3757	0.60	.Q	V.	.	.	.
10.183	0.3765	0.60	.Q	V.	.	.	.
10.200	0.3774	0.60	.Q	V.	.	.	.
10.217	0.3782	0.60	.Q	V.	.	.	.
10.233	0.3790	0.61	.Q	V.	.	.	.
10.250	0.3799	0.61	.Q	V.	.	.	.
10.267	0.3807	0.61	.Q	V.	.	.	.
10.283	0.3815	0.61	.Q	V.	.	.	.
10.300	0.3824	0.61	.Q	V.	.	.	.
10.317	0.3832	0.61	.Q	V.	.	.	.
10.333	0.3841	0.61	.Q	V.	.	.	.
10.350	0.3849	0.61	.Q	V.	.	.	.
10.367	0.3857	0.61	.Q	V	.	.	.
10.383	0.3866	0.61	.Q	V	.	.	.
10.400	0.3874	0.61	.Q	V	.	.	.
10.417	0.3883	0.61	.Q	V	.	.	.
10.433	0.3891	0.61	.Q	V	.	.	.
10.450	0.3899	0.61	.Q	V	.	.	.
10.467	0.3908	0.62	.Q	V	.	.	.
10.483	0.3916	0.62	.Q	V	.	.	.
10.500	0.3925	0.62	.Q	V	.	.	.
10.517	0.3933	0.62	.Q	V	.	.	.
10.533	0.3942	0.62	.Q	V	.	.	.
10.550	0.3951	0.62	.Q	V	.	.	.
10.567	0.3959	0.62	.Q	V	.	.	.
10.583	0.3968	0.62	.Q	V	.	.	.
10.600	0.3976	0.63	.Q	V	.	.	.
10.617	0.3985	0.63	.Q	V	.	.	.
10.633	0.3994	0.63	.Q	V	.	.	.
10.650	0.4002	0.63	.Q	V	.	.	.
10.667	0.4011	0.63	.Q	V	.	.	.
10.683	0.4020	0.63	.Q	V	.	.	.
10.700	0.4028	0.63	.Q	V	.	.	.
10.717	0.4037	0.63	.Q	V	.	.	.
10.733	0.4046	0.63	.Q	V	.	.	.
10.750	0.4054	0.63	.Q	V	.	.	.
10.767	0.4063	0.63	.Q	V	.	.	.
10.783	0.4072	0.63	.Q	V	.	.	.
10.800	0.4081	0.63	.Q	V	.	.	.
10.817	0.4089	0.63	.Q	V	.	.	.
10.833	0.4098	0.64	.Q	V	.	.	.
10.850	0.4107	0.64	.Q	V	.	.	.
10.867	0.4116	0.64	.Q	V	.	.	.

10.883	0.4124	0.64	.Q	V	.	.	.
10.900	0.4133	0.64	.Q	V	.	.	.
10.917	0.4142	0.64	.Q	V	.	.	.
10.933	0.4151	0.64	.Q	V	.	.	.
10.950	0.4160	0.64	.Q	V	.	.	.
10.967	0.4169	0.65	.Q	V	.	.	.
10.983	0.4178	0.65	.Q	V	.	.	.
11.000	0.4187	0.65	.Q	V	.	.	.
11.017	0.4196	0.65	.Q	V	.	.	.
11.033	0.4205	0.65	.Q	V	.	.	.
11.050	0.4214	0.65	.Q	V	.	.	.
11.067	0.4223	0.65	.Q	V	.	.	.
11.083	0.4232	0.65	.Q	V	.	.	.
11.100	0.4241	0.66	.Q	.V	.	.	.
11.117	0.4250	0.66	.Q	.V	.	.	.
11.133	0.4259	0.66	.Q	.V	.	.	.
11.150	0.4268	0.66	.Q	.V	.	.	.
11.167	0.4277	0.66	.Q	.V	.	.	.
11.183	0.4286	0.66	.Q	.V	.	.	.
11.200	0.4295	0.66	.Q	.V	.	.	.
11.217	0.4304	0.66	.Q	.V	.	.	.
11.233	0.4313	0.66	.Q	.V	.	.	.
11.250	0.4322	0.66	.Q	.V	.	.	.
11.267	0.4331	0.66	.Q	.V	.	.	.
11.283	0.4341	0.66	.Q	.V	.	.	.
11.300	0.4350	0.67	.Q	.V	.	.	.
11.317	0.4359	0.67	.Q	.V	.	.	.
11.333	0.4368	0.67	.Q	.V	.	.	.
11.350	0.4377	0.67	.Q	.V	.	.	.
11.367	0.4387	0.67	.Q	.V	.	.	.
11.383	0.4396	0.67	.Q	.V	.	.	.
11.400	0.4405	0.68	.Q	.V	.	.	.
11.417	0.4415	0.68	.Q	.V	.	.	.
11.433	0.4424	0.68	.Q	.V	.	.	.
11.450	0.4433	0.68	.Q	.V	.	.	.
11.467	0.4443	0.68	.Q	.V	.	.	.
11.483	0.4452	0.68	.Q	.V	.	.	.
11.500	0.4461	0.68	.Q	.V	.	.	.
11.517	0.4471	0.69	.Q	.V	.	.	.
11.533	0.4480	0.69	.Q	.V	.	.	.
11.550	0.4490	0.69	.Q	.V	.	.	.
11.567	0.4499	0.69	.Q	.V	.	.	.
11.583	0.4509	0.69	.Q	.V	.	.	.
11.600	0.4518	0.69	.Q	.V	.	.	.
11.617	0.4528	0.69	.Q	.V	.	.	.
11.633	0.4537	0.69	.Q	.V	.	.	.
11.650	0.4547	0.69	.Q	.V	.	.	.
11.667	0.4556	0.69	.Q	.V	.	.	.
11.683	0.4566	0.69	.Q	.V	.	.	.
11.700	0.4575	0.69	.Q	.V	.	.	.

11.717	0.4585	0.70	.Q	.V	.	.	.
11.733	0.4595	0.70	.Q	.V	.	.	.
11.750	0.4604	0.70	.Q	.V	.	.	.
11.767	0.4614	0.70	.Q	.V	.	.	.
11.783	0.4624	0.70	.Q	. V	.	.	.
11.800	0.4633	0.70	.Q	. V	.	.	.
11.817	0.4643	0.71	.Q	. V	.	.	.
11.833	0.4653	0.71	.Q	. V	.	.	.
11.850	0.4663	0.71	.Q	. V	.	.	.
11.867	0.4672	0.71	.Q	. V	.	.	.
11.883	0.4682	0.71	.Q	. V	.	.	.
11.900	0.4692	0.72	.Q	. V	.	.	.
11.917	0.4702	0.72	.Q	. V	.	.	.
11.933	0.4712	0.72	.Q	. V	.	.	.
11.950	0.4722	0.72	.Q	. V	.	.	.
11.967	0.4732	0.72	.Q	. V	.	.	.
11.983	0.4742	0.72	.Q	. V	.	.	.
12.000	0.4752	0.72	.Q	. V	.	.	.
12.017	0.4762	0.72	.Q	. V	.	.	.
12.033	0.4772	0.72	.Q	. V	.	.	.
12.050	0.4782	0.73	.Q	. V	.	.	.
12.067	0.4792	0.73	.Q	. V	.	.	.
12.083	0.4802	0.73	.Q	. V	.	.	.
12.100	0.4812	0.73	.Q	. V	.	.	.
12.117	0.4822	0.73	.Q	. V	.	.	.
12.133	0.4832	0.73	.Q	. V	.	.	.
12.150	0.4842	0.73	.Q	. V	.	.	.
12.167	0.4852	0.73	.Q	. V	.	.	.
12.183	0.4862	0.73	.Q	. V	.	.	.
12.200	0.4872	0.73	.Q	. V	.	.	.
12.217	0.4882	0.73	.Q	. V	.	.	.
12.233	0.4892	0.73	.Q	. V	.	.	.
12.250	0.4902	0.73	.Q	. V	.	.	.
12.267	0.4912	0.73	.Q	. V	.	.	.
12.283	0.4922	0.73	.Q	. V	.	.	.
12.300	0.4932	0.73	.Q	. V	.	.	.
12.317	0.4942	0.73	.Q	. V	.	.	.
12.333	0.4952	0.73	.Q	. V	.	.	.
12.350	0.4963	0.73	.Q	. V	.	.	.
12.367	0.4973	0.73	.Q	. V	.	.	.
12.383	0.4983	0.73	.Q	. V	.	.	.
12.400	0.4993	0.73	.Q	. V	.	.	.
12.417	0.5003	0.73	.Q	. V	.	.	.
12.433	0.5013	0.74	.Q	. V	.	.	.
12.450	0.5023	0.74	.Q	. V	.	.	.
12.467	0.5033	0.74	.Q	. V	.	.	.
12.483	0.5043	0.74	.Q	. V	.	.	.
12.500	0.5054	0.74	.Q	. V	.	.	.
12.517	0.5064	0.74	.Q	. V	.	.	.
12.533	0.5074	0.74	.Q	. V	.	.	.

12.550	0.5084	0.74	.Q	.	V	.	.	.
12.567	0.5095	0.74	.Q	.	V	.	.	.
12.583	0.5105	0.75	.Q	.	V	.	.	.
12.600	0.5115	0.75	.Q	.	V	.	.	.
12.617	0.5126	0.75	.Q	.	V	.	.	.
12.633	0.5136	0.75	.Q	.	V	.	.	.
12.650	0.5146	0.76	.Q	.	V	.	.	.
12.667	0.5157	0.76	.Q	.	V	.	.	.
12.683	0.5167	0.76	.Q	.	V	.	.	.
12.700	0.5178	0.76	.Q	.	V	.	.	.
12.717	0.5188	0.77	.Q	.	V	.	.	.
12.733	0.5199	0.77	.Q	.	V	.	.	.
12.750	0.5210	0.77	.Q	.	V	.	.	.
12.767	0.5220	0.77	.Q	.	V	.	.	.
12.783	0.5231	0.78	.Q	.	V	.	.	.
12.800	0.5242	0.78	.Q	.	V	.	.	.
12.817	0.5253	0.78	.Q	.	V	.	.	.
12.833	0.5263	0.78	.Q	.	V	.	.	.
12.850	0.5274	0.78	.Q	.	V	.	.	.
12.867	0.5285	0.78	.Q	.	V	.	.	.
12.883	0.5296	0.79	.Q	.	V	.	.	.
12.900	0.5307	0.79	.Q	.	V	.	.	.
12.917	0.5317	0.79	.Q	.	V	.	.	.
12.933	0.5328	0.79	.Q	.	V	.	.	.
12.950	0.5339	0.79	.Q	.	V	.	.	.
12.967	0.5350	0.79	.Q	.	V	.	.	.
12.983	0.5361	0.79	.Q	.	V	.	.	.
13.000	0.5372	0.80	.Q	.	V	.	.	.
13.017	0.5383	0.80	.Q	.	V	.	.	.
13.033	0.5394	0.80	.Q	.	V	.	.	.
13.050	0.5405	0.80	.Q	.	V	.	.	.
13.067	0.5416	0.81	.Q	.	V	.	.	.
13.083	0.5427	0.81	.Q	.	V	.	.	.
13.100	0.5439	0.81	.Q	.	V	.	.	.
13.117	0.5450	0.82	.Q	.	V	.	.	.
13.133	0.5461	0.82	.Q	.	V	.	.	.
13.150	0.5472	0.82	.Q	.	V	.	.	.
13.167	0.5484	0.83	.Q	.	V	.	.	.
13.183	0.5495	0.83	.Q	.	V	.	.	.
13.200	0.5507	0.83	.Q	.	V	.	.	.
13.217	0.5518	0.84	.Q	.	V	.	.	.
13.233	0.5530	0.84	.Q	.	V	.	.	.
13.250	0.5541	0.84	.Q	.	V	.	.	.
13.267	0.5553	0.84	.Q	.	V	.	.	.
13.283	0.5565	0.84	.Q	.	V	.	.	.
13.300	0.5576	0.84	.Q	.	V	.	.	.
13.317	0.5588	0.85	.Q	.	V	.	.	.
13.333	0.5599	0.85	.Q	.	V	.	.	.
13.350	0.5611	0.85	.Q	.	V	.	.	.
13.367	0.5623	0.85	.Q	.	V	.	.	.

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13.383      0.5635      0.85  .Q        .   V     .         .         .
13.400      0.5646      0.85  .Q        .   V     .         .         .
13.417      0.5658      0.86  .Q        .   V     .         .         .
13.433      0.5670      0.86  .Q        .   V     .         .         .
13.450      0.5682      0.86  .Q        .   V     .         .         .
13.467      0.5694      0.87  .Q        .   V     .         .         .
13.483      0.5706      0.87  .Q        .   V     .         .         .
13.500      0.5718      0.87  .Q        .   V     .         .         .
13.517      0.5730      0.88  .Q        .   V     .         .         .
13.533      0.5742      0.88  .Q        .   V     .         .         .
13.550      0.5754      0.89  .Q        .   V     .         .         .
13.567      0.5767      0.89  .Q        .   V     .         .         .
13.583      0.5779      0.89  .Q        .    V    .         .         .
13.600      0.5791      0.90  .Q        .    V    .         .         .
13.617      0.5804      0.90  .Q        .    V    .         .         .
13.633      0.5816      0.91  .Q        .    V    .         .         .
13.650      0.5829      0.91  .Q        .    V    .         .         .
13.667      0.5841      0.91  .Q        .    V    .         .         .
13.683      0.5854      0.91  .Q        .    V    .         .         .
13.700      0.5866      0.91  .Q        .    V    .         .         .
13.717      0.5879      0.92  .Q        .    V    .         .         .
13.733      0.5892      0.92  .Q        .    V    .         .         .
13.750      0.5904      0.92  .Q        .    V    .         .         .
13.767      0.5917      0.92  .Q        .    V    .         .         .
13.783      0.5930      0.93  .Q        .    V    .         .         .
13.800      0.5943      0.93  .Q        .    V    .         .         .
13.817      0.5955      0.93  .Q        .    V    .         .         .
13.833      0.5968      0.93  .Q        .    V    .         .         .
13.850      0.5981      0.93  .Q        .    V    .         .         .
13.867      0.5994      0.94  .Q        .    V    .         .         .
13.883      0.6007      0.94  .Q        .    V    .         .         .
13.900      0.6020      0.95  .Q        .    V    .         .         .
13.917      0.6033      0.95  .Q        .    V    .         .         .
13.933      0.6046      0.96  .Q        .    V    .         .         .
13.950      0.6060      0.96  .Q        .    V    .         .         .
13.967      0.6073      0.97  .Q        .    V    .         .         .
13.983      0.6086      0.97  .Q        .    V    .         .         .
14.000      0.6100      0.98  .Q        .    V    .         .         .
14.017      0.6114      0.98  .Q        .    V    .         .         .
14.033      0.6127      0.99  .Q        .    V    .         .         .
14.050      0.6141      0.99  .Q        .    V    .         .         .
14.067      0.6155      1.00  .Q        .    V    .         .         .
14.083      0.6168      1.00  .Q        .     V   .         .         .
14.100      0.6182      1.00  .Q        .     V   .         .         .
14.117      0.6196      1.00  .Q        .     V   .         .         .
14.133      0.6210      0.99  .Q        .     V   .         .         .
14.150      0.6223      0.99  .Q        .     V   .         .         .
14.167      0.6237      0.99  .Q        .     V   .         .         .
14.183      0.6250      0.99  .Q        .     V   .         .         .
14.200      0.6264      0.99  .Q        .     V   .         .         .
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14.217      0.6278      0.98  .Q        .     V   .         .         .
14.233      0.6291      0.98  .Q        .     V   .         .         .
14.250      0.6305      0.98  .Q        .     V   .         .         .
14.267      0.6318      0.98  .Q        .     V   .         .         .
14.283      0.6331      0.97  .Q        .     V   .         .         .
14.300      0.6345      0.98  .Q        .     V   .         .         .
14.317      0.6358      0.99  .Q        .     V   .         .         .
14.333      0.6372      0.99  .Q        .     V   .         .         .
14.350      0.6386      1.00  .Q        .     V   .         .         .
14.367      0.6400      1.01  . Q       .     V   .         .         .
14.383      0.6414      1.01  . Q       .     V   .         .         .
14.400      0.6428      1.02  . Q       .     V   .         .         .
14.417      0.6442      1.03  . Q       .     V   .         .         .
14.433      0.6456      1.03  . Q       .     V   .         .         .
14.450      0.6470      1.04  . Q       .     V   .         .         .
14.467      0.6485      1.05  . Q       .     V   .         .         .
14.483      0.6499      1.05  . Q       .     V   .         .         .
14.500      0.6514      1.06  . Q       .     V   .         .         .
14.517      0.6529      1.06  . Q       .     V   .         .         .
14.533      0.6543      1.07  . Q       .     V   .         .         .
14.550      0.6558      1.07  . Q       .      V  .         .         .
14.567      0.6573      1.08  . Q       .      V  .         .         .
14.583      0.6588      1.08  . Q       .      V  .         .         .
14.600      0.6603      1.09  . Q       .      V  .         .         .
14.617      0.6618      1.09  . Q       .      V  .         .         .
14.633      0.6633      1.09  . Q       .      V  .         .         .
14.650      0.6648      1.10  . Q       .      V  .         .         .
14.667      0.6663      1.10  . Q       .      V  .         .         .
14.683      0.6678      1.11  . Q       .      V  .         .         .
14.700      0.6694      1.11  . Q       .      V  .         .         .
14.717      0.6709      1.12  . Q       .      V  .         .         .
14.733      0.6725      1.13  . Q       .      V  .         .         .
14.750      0.6740      1.14  . Q       .      V  .         .         .
14.767      0.6756      1.15  . Q       .      V  .         .         .
14.783      0.6772      1.16  . Q       .      V  .         .         .
14.800      0.6788      1.17  . Q       .      V  .         .         .
14.817      0.6805      1.18  . Q       .      V  .         .         .
14.833      0.6821      1.19  . Q       .      V  .         .         .
14.850      0.6837      1.20  . Q       .      V  .         .         .
14.867      0.6854      1.21  . Q       .      V  .         .         .
14.883      0.6871      1.22  . Q       .      V  .         .         .
14.900      0.6888      1.23  . Q       .      V  .         .         .
14.917      0.6905      1.25  . Q       .      V  .         .         .
14.933      0.6923      1.26  . Q       .      V  .         .         .
14.950      0.6940      1.26  . Q       .       V .         .         .
14.967      0.6957      1.27  . Q       .       V .         .         .
14.983      0.6975      1.28  . Q       .       V .         .         .
15.000      0.6993      1.28  . Q       .       V .         .         .
15.017      0.7010      1.29  . Q       .       V .         .         .
15.033      0.7028      1.30  . Q       .       V .         .         .
```

15.050	0.7046	1.31	.	Q	.	V	.	.	.	.
15.067	0.7064	1.31	.	Q	.	V	.	.	.	.
15.083	0.7083	1.32	.	Q	.	V	.	.	.	.
15.100	0.7101	1.33	.	Q	.	V	.	.	.	.
15.117	0.7119	1.33	.	Q	.	V	.	.	.	.
15.133	0.7138	1.34	.	Q	.	V	.	.	.	.
15.150	0.7156	1.35	.	Q	.	V	.	.	.	.
15.167	0.7175	1.37	.	Q	.	V	.	.	.	.
15.183	0.7194	1.39	.	Q	.	V	.	.	.	.
15.200	0.7214	1.41	.	Q	.	V	.	.	.	.
15.217	0.7233	1.43	.	Q	.	V	.	.	.	.
15.233	0.7253	1.45	.	Q	.	V	.	.	.	.
15.250	0.7274	1.47	.	Q	.	V	.	.	.	.
15.267	0.7294	1.49	.	Q	.	V	.	.	.	.
15.283	0.7315	1.51	.	Q	.	V	.	.	.	.
15.300	0.7336	1.53	.	Q	.	V.	.	.	.	.
15.317	0.7357	1.55	.	Q	.	V.	.	.	.	.
15.333	0.7379	1.57	.	Q	.	V.	.	.	.	.
15.350	0.7401	1.59	.	Q	.	V.	.	.	.	.
15.367	0.7423	1.61	.	Q	.	V.	.	.	.	.
15.383	0.7446	1.67	.	Q	.	V.	.	.	.	.
15.400	0.7469	1.72	.	Q	.	V.	.	.	.	.
15.417	0.7494	1.77	.	Q	.	V.	.	.	.	.
15.433	0.7519	1.82	.	Q	.	V.	.	.	.	.
15.450	0.7545	1.87	.	Q	.	V.	.	.	.	.
15.467	0.7571	1.92	.	Q	.	V.	.	.	.	.
15.483	0.7598	1.98	.	Q	.	V.	.	.	.	.
15.500	0.7626	2.03	.	Q	.	V.	.	.	.	.
15.517	0.7655	2.08	.	Q	.	V.	.	.	.	.
15.533	0.7684	2.13	.	Q	.	V.	.	.	.	.
15.550	0.7714	2.18	.	Q	.	V	.	.	.	.
15.567	0.7745	2.23	.	Q	.	V	.	.	.	.
15.583	0.7777	2.29	.	Q	.	V	.	.	.	.
15.600	0.7809	2.35	.	Q	.	V	.	.	.	.
15.617	0.7842	2.41	.	Q	.	V	.	.	.	.
15.633	0.7876	2.47	.	Q	.	V	.	.	.	.
15.650	0.7911	2.53	.	Q	.	V	.	.	.	.
15.667	0.7947	2.59	.	Q	.	V	.	.	.	.
15.683	0.7983	2.65	.	Q	.	V	.	.	.	.
15.700	0.8020	2.71	.	Q	.	V	.	.	.	.
15.717	0.8058	2.76	.	Q	.	V	.	.	.	.
15.733	0.8097	2.82	.	Q	.	.V	.	.	.	.
15.750	0.8137	2.88	.	Q	.	.V	.	.	.	.
15.767	0.8178	2.94	.	Q	.	.V	.	.	.	.
15.783	0.8219	3.00	.	Q	.	.V	.	.	.	.
15.800	0.8261	3.06	.	Q	.	.V	.	.	.	.
15.817	0.8304	3.12	.	Q	.	.V	.	.	.	.
15.833	0.8348	3.18	.	Q	.	.V	.	.	.	.
15.850	0.8392	3.24	.	Q	.	.V	.	.	.	.
15.867	0.8438	3.29	.	Q	.	.V	.	.	.	.

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15.883      0.8484      3.35  .     Q   .         . V       .         .
15.900      0.8531      3.41  .     Q   .         . V       .         .
15.917      0.8579      3.47  .     Q   .         . V       .         .
15.933      0.8627      3.53  .      Q  .         . V       .         .
15.950      0.8677      3.58  .      Q  .         . V       .         .
15.967      0.8727      3.64  .      Q  .         . V       .         .
15.983      0.8778      3.70  .      Q  .         . V       .         .
16.000      0.8830      3.76  .      Q  .         . V       .         .
16.017      0.8886      4.06  .       Q .         .  V      .         .
16.033      0.8949      4.61  .        Q.         .  V      .         .
16.050      0.9020      5.16  .         Q         .  V      .         .
16.067      0.9099      5.71  .         .Q        .  V      .         .
16.083      0.9185      6.26  .         . Q       .  V      .         .
16.100      0.9279      6.81  .         .  Q      .   V     .         .
16.117      0.9380      7.36  .         .   Q     .   V     .         .
16.133      0.9489      7.91  .         .    Q    .   V     .         .
16.150      0.9606      8.46  .         .     Q   .   V     .         .
16.167      0.9730      9.01  .         .       Q .    V    .         .
16.183      0.9862      9.56  .         .        Q.    V    .         .
16.200      1.0001     10.11  .         .         Q    V    .         .
16.217      1.0151     10.89  .         .         .Q    V   .         .
16.233      1.0296     10.52  .         .         .Q    V   .         .
16.250      1.0432      9.89  .         .        Q.      V  .         .
16.267      1.0560      9.26  .         .       Q .      V  .         .
16.283      1.0679      8.63  .         .      Q  .      V  .         .
16.300      1.0789      8.01  .         .     Q   .       V .         .
16.317      1.0891      7.38  .         .   Q     .       V .         .
16.333      1.0984      6.75  .         .  Q      .       V .         .
16.350      1.1068      6.12  .         . Q       .       V .         .
16.367      1.1144      5.49  .         Q         .       V .         .
16.383      1.1211      4.87  .        Q.         .        V.         .
16.400      1.1269      4.24  .       Q .         .        V.         .
16.417      1.1319      3.61  .      Q  .         .        V.         .
16.433      1.1360      2.99  .    Q    .         .        V.         .
16.450      1.1397      2.71  .    Q    .         .        V.         .
16.467      1.1433      2.61  .    Q    .         .        V.         .
16.483      1.1468      2.51  .    Q    .         .        V.         .
16.500      1.1501      2.40  .   Q     .         .        V.         .
16.517      1.1533      2.30  .   Q     .         .        V.         .
16.533      1.1563      2.20  .   Q     .         .         V         .
16.550      1.1592      2.10  .   Q     .         .         V         .
16.567      1.1619      1.99  .  Q      .         .         V         .
16.583      1.1645      1.89  .  Q      .         .         V         .
16.600      1.1670      1.79  .  Q      .         .         V         .
16.617      1.1693      1.69  .  Q      .         .         V         .
16.633      1.1715      1.58  .  Q      .         .         V         .
16.650      1.1736      1.49  . Q       .         .         V         .
16.667      1.1755      1.44  . Q       .         .         V         .
16.683      1.1775      1.42  . Q       .         .         V         .
16.700      1.1794      1.40  . Q       .         .         V         .
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16.717	1.1813	1.38	. Q	.	.	V	.
16.733	1.1832	1.36	. Q	.	.	V	.
16.750	1.1850	1.33	. Q	.	.	V	.
16.767	1.1868	1.31	. Q	.	.	V	.
16.783	1.1886	1.29	. Q	.	.	V	.
16.800	1.1904	1.27	. Q	.	.	V	.
16.817	1.1921	1.25	. Q	.	.	V	.
16.833	1.1938	1.23	. Q	.	.	.V	.
16.850	1.1954	1.20	. Q	.	.	.V	.
16.867	1.1971	1.18	. Q	.	.	.V	.
16.883	1.1987	1.17	. Q	.	.	.V	.
16.900	1.2003	1.16	. Q	.	.	.V	.
16.917	1.2018	1.14	. Q	.	.	.V	.
16.933	1.2034	1.13	. Q	.	.	.V	.
16.950	1.2049	1.12	. Q	.	.	.V	.
16.967	1.2065	1.10	. Q	.	.	.V	.
16.983	1.2080	1.09	. Q	.	.	.V	.
17.000	1.2094	1.08	. Q	.	.	.V	.
17.017	1.2109	1.07	. Q	.	.	.V	.
17.033	1.2124	1.05	. Q	.	.	.V	.
17.050	1.2138	1.04	. Q	.	.	.V	.
17.067	1.2152	1.03	. Q	.	.	.V	.
17.083	1.2166	1.01	. Q	.	.	.V	.
17.100	1.2180	1.01	. Q	.	.	.V	.
17.117	1.2194	1.01	. Q	.	.	.V	.
17.133	1.2208	1.00	. Q	.	.	.V	.
17.150	1.2221	1.00	.Q	.	.	.V	.
17.167	1.2235	1.00	.Q	.	.	.V	.
17.183	1.2249	0.99	.Q	.	.	.V	.
17.200	1.2262	0.99	.Q	.	.	.V	.
17.217	1.2276	0.98	.Q	.	.	.V	.
17.233	1.2289	0.98	.Q	.	.	.V	.
17.250	1.2303	0.98	.Q	.	.	.V	.
17.267	1.2316	0.97	.Q	.	.	.V	.
17.283	1.2330	0.97	.Q	.	.	. V	.
17.300	1.2343	0.97	.Q	.	.	. V	.
17.317	1.2356	0.96	.Q	.	.	. V	.
17.333	1.2369	0.95	.Q	.	.	. V	.
17.350	1.2382	0.95	.Q	.	.	. V	.
17.367	1.2395	0.94	.Q	.	.	. V	.
17.383	1.2408	0.93	.Q	.	.	. V	.
17.400	1.2421	0.93	.Q	.	.	. V	.
17.417	1.2434	0.92	.Q	.	.	. V	.
17.433	1.2446	0.91	.Q	.	.	. V	.
17.450	1.2459	0.91	.Q	.	.	. V	.
17.467	1.2471	0.90	.Q	.	.	. V	.
17.483	1.2483	0.89	.Q	.	.	. V	.
17.500	1.2496	0.89	.Q	.	.	. V	.
17.517	1.2508	0.88	.Q	.	.	. V	.
17.533	1.2520	0.88	.Q	.	.	. V	.

17.550	1.2532	0.87	.Q	.	.	.	V	.
17.567	1.2544	0.86	.Q	.	.	.	V	.
17.583	1.2555	0.86	.Q	.	.	.	V	.
17.600	1.2567	0.85	.Q	.	.	.	V	.
17.617	1.2579	0.85	.Q	.	.	.	V	.
17.633	1.2591	0.84	.Q	.	.	.	V	.
17.650	1.2602	0.84	.Q	.	.	.	V	.
17.667	1.2614	0.83	.Q	.	.	.	V	.
17.683	1.2625	0.83	.Q	.	.	.	V	.
17.700	1.2636	0.82	.Q	.	.	.	V	.
17.717	1.2648	0.82	.Q	.	.	.	V	.
17.733	1.2659	0.81	.Q	.	.	.	V	.
17.750	1.2670	0.81	.Q	.	.	.	V	.
17.767	1.2681	0.80	.Q	.	.	.	V	.
17.783	1.2692	0.80	.Q	.	.	.	V	.
17.800	1.2703	0.80	.Q	.	.	.	V	.
17.817	1.2714	0.79	.Q	.	.	.	V	.
17.833	1.2725	0.79	.Q	.	.	.	V	.
17.850	1.2736	0.78	.Q	.	.	.	V	.
17.867	1.2746	0.78	.Q	.	.	.	V	.
17.883	1.2757	0.78	.Q	.	.	.	V	.
17.900	1.2768	0.77	.Q	.	.	.	V	.
17.917	1.2778	0.77	.Q	.	.	.	V	.
17.933	1.2789	0.76	.Q	.	.	.	V	.
17.950	1.2799	0.76	.Q	.	.	.	V	.
17.967	1.2810	0.76	.Q	.	.	.	V	.
17.983	1.2820	0.75	.Q	.	.	.	V	.
18.000	1.2830	0.75	.Q	.	.	.	V	.
18.017	1.2841	0.75	.Q	.	.	.	V	.
18.033	1.2851	0.74	.Q	.	.	.	V	.
18.050	1.2861	0.74	.Q	.	.	.	V	.
18.067	1.2871	0.74	.Q	.	.	.	V	.
18.083	1.2881	0.73	.Q	.	.	.	V	.
18.100	1.2891	0.73	.Q	.	.	.	V	.
18.117	1.2901	0.73	.Q	.	.	.	V	.
18.133	1.2911	0.72	.Q	.	.	.	V	.
18.150	1.2921	0.72	.Q	.	.	.	V	.
18.167	1.2931	0.72	.Q	.	.	.	V	.
18.183	1.2941	0.72	.Q	.	.	.	V	.
18.200	1.2951	0.72	.Q	.	.	.	V	.
18.217	1.2961	0.72	.Q	.	.	.	V	.
18.233	1.2971	0.71	.Q	.	.	.	V	.
18.250	1.2980	0.71	.Q	.	.	.	V	.
18.267	1.2990	0.71	.Q	.	.	.	V	.
18.283	1.3000	0.71	.Q	.	.	.	V	.
18.300	1.3010	0.71	.Q	.	.	.	V	.
18.317	1.3019	0.71	.Q	.	.	.	V	.
18.333	1.3029	0.71	.Q	.	.	.	V	.
18.350	1.3039	0.71	.Q	.	.	.	V	.
18.367	1.3049	0.71	.Q	.	.	.	V	.

18.383	1.3058	0.70	.Q	.	.	.	V	.
18.400	1.3068	0.70	.Q	.	.	.	V	.
18.417	1.3078	0.70	.Q	.	.	.	V	.
18.433	1.3087	0.70	.Q	.	.	.	V	.
18.450	1.3097	0.69	.Q	.	.	.	V	.
18.467	1.3106	0.69	.Q	.	.	.	V	.
18.483	1.3116	0.69	.Q	.	.	.	V	.
18.500	1.3125	0.69	.Q	.	.	.	V	.
18.517	1.3135	0.68	.Q	.	.	.	V	.
18.533	1.3144	0.68	.Q	.	.	.	V	.
18.550	1.3154	0.68	.Q	.	.	.	V	.
18.567	1.3163	0.68	.Q	.	.	.	V	.
18.583	1.3172	0.67	.Q	.	.	.	V	.
18.600	1.3181	0.67	.Q	.	.	.	V	.
18.617	1.3191	0.67	.Q	.	.	.	V	.
18.633	1.3200	0.67	.Q	.	.	.	V	.
18.650	1.3209	0.67	.Q	.	.	.	V	.
18.667	1.3218	0.66	.Q	.	.	.	V	.
18.683	1.3227	0.66	.Q	.	.	.	V	.
18.700	1.3236	0.66	.Q	.	.	.	V	.
18.717	1.3245	0.66	.Q	.	.	.	V	.
18.733	1.3254	0.65	.Q	.	.	.	V	.
18.750	1.3263	0.65	.Q	.	.	.	V	.
18.767	1.3272	0.65	.Q	.	.	.	V	.
18.783	1.3281	0.65	.Q	.	.	.	V	.
18.800	1.3290	0.65	.Q	.	.	.	V	.
18.817	1.3299	0.64	.Q	.	.	.	V	.
18.833	1.3308	0.64	.Q	.	.	.	V	.
18.850	1.3317	0.64	.Q	.	.	.	V	.
18.867	1.3325	0.64	.Q	.	.	.	V	.
18.883	1.3334	0.64	.Q	.	.	.	V	.
18.900	1.3343	0.63	.Q	.	.	.	V	.
18.917	1.3352	0.63	.Q	.	.	.	V	.
18.933	1.3360	0.63	.Q	.	.	.	V	.
18.950	1.3369	0.63	.Q	.	.	.	V	.
18.967	1.3378	0.63	.Q	.	.	.	V	.
18.983	1.3386	0.62	.Q	.	.	.	V	.
19.000	1.3395	0.62	.Q	.	.	.	V	.
19.017	1.3403	0.62	.Q	.	.	.	V	.
19.033	1.3412	0.62	.Q	.	.	.	V	.
19.050	1.3420	0.62	.Q	.	.	.	V	.
19.067	1.3429	0.61	.Q	.	.	.	V	.
19.083	1.3437	0.61	.Q	.	.	.	V	.
19.100	1.3446	0.61	.Q	.	.	.	V	.
19.117	1.3454	0.61	.Q	.	.	.	V	.
19.133	1.3462	0.61	.Q	.	.	.	V	.
19.150	1.3471	0.61	.Q	.	.	.	V	.
19.167	1.3479	0.60	.Q	.	.	.	V	.
19.183	1.3487	0.60	.Q	.	.	.	V	.
19.200	1.3496	0.60	.Q	.	.	.	V	.

19.217	1.3504	0.60	.Q	.	.	.	V	.
19.233	1.3512	0.60	.Q	.	.	.	V	.
19.250	1.3520	0.60	.Q	.	.	.	V	.
19.267	1.3528	0.59	.Q	.	.	.	V	.
19.283	1.3537	0.59	.Q	.	.	.	V	.
19.300	1.3545	0.59	.Q	.	.	.	V	.
19.317	1.3553	0.59	.Q	.	.	.	V	.
19.333	1.3561	0.59	.Q	.	.	.	V	.
19.350	1.3569	0.59	.Q	.	.	.	V	.
19.367	1.3577	0.58	.Q	.	.	.	V	.
19.383	1.3585	0.58	.Q	.	.	.	V	.
19.400	1.3593	0.58	.Q	.	.	.	V	.
19.417	1.3601	0.58	.Q	.	.	.	V	.
19.433	1.3609	0.58	.Q	.	.	.	V	.
19.450	1.3617	0.58	.Q	.	.	.	V	.
19.467	1.3625	0.58	.Q	.	.	.	V	.
19.483	1.3633	0.57	.Q	.	.	.	V	.
19.500	1.3641	0.57	.Q	.	.	.	V	.
19.517	1.3649	0.57	.Q	.	.	.	V	.
19.533	1.3656	0.57	.Q	.	.	.	V	.
19.550	1.3664	0.57	.Q	.	.	.	V	.
19.567	1.3672	0.57	.Q	.	.	.	V	.
19.583	1.3680	0.57	.Q	.	.	.	V	.
19.600	1.3688	0.56	.Q	.	.	.	V	.
19.617	1.3695	0.56	.Q	.	.	.	V	.
19.633	1.3703	0.56	.Q	.	.	.	V	.
19.650	1.3711	0.56	.Q	.	.	.	V	.
19.667	1.3718	0.56	.Q	.	.	.	V	.
19.683	1.3726	0.56	.Q	.	.	.	V	.
19.700	1.3734	0.56	.Q	.	.	.	V	.
19.717	1.3741	0.55	.Q	.	.	.	V	.
19.733	1.3749	0.55	.Q	.	.	.	V	.
19.750	1.3757	0.55	.Q	.	.	.	V	.
19.767	1.3764	0.55	.Q	.	.	.	V	.
19.783	1.3772	0.55	.Q	.	.	.	V	.
19.800	1.3779	0.55	.Q	.	.	.	V	.
19.817	1.3787	0.55	.Q	.	.	.	V	.
19.833	1.3794	0.55	.Q	.	.	.	V	.
19.850	1.3802	0.54	.Q	.	.	.	V	.
19.867	1.3809	0.54	.Q	.	.	.	V	.
19.883	1.3817	0.54	.Q	.	.	.	V	.
19.900	1.3824	0.54	.Q	.	.	.	V	.
19.917	1.3832	0.54	.Q	.	.	.	V	.
19.933	1.3839	0.54	.Q	.	.	.	V	.
19.950	1.3846	0.54	.Q	.	.	.	V	.
19.967	1.3854	0.54	.Q	.	.	.	V	.
19.983	1.3861	0.53	.Q	.	.	.	V	.
20.000	1.3869	0.53	.Q	.	.	.	V	.
20.017	1.3876	0.53	.Q	.	.	.	V	.
20.033	1.3883	0.53	.Q	.	.	.	V	.

20.050	1.3890	0.53	.Q	.	.	.	V	.
20.067	1.3898	0.53	.Q	.	.	.	V	.
20.083	1.3905	0.53	.Q	.	.	.	V	.
20.100	1.3912	0.53	.Q	.	.	.	V	.
20.117	1.3919	0.52	.Q	.	.	.	V	.
20.133	1.3927	0.52	.Q	.	.	.	V	.
20.150	1.3934	0.52	.Q	.	.	.	V	.
20.167	1.3941	0.52	.Q	.	.	.	V	.
20.183	1.3948	0.52	.Q	.	.	.	V	.
20.200	1.3955	0.52	.Q	.	.	.	V	.
20.217	1.3963	0.52	.Q	.	.	.	V	.
20.233	1.3970	0.52	.Q	.	.	.	V	.
20.250	1.3977	0.52	.Q	.	.	.	V	.
20.267	1.3984	0.52	.Q	.	.	.	V	.
20.283	1.3991	0.51	.Q	.	.	.	V	.
20.300	1.3998	0.51	.Q	.	.	.	V	.
20.317	1.4005	0.51	.Q	.	.	.	V	.
20.333	1.4012	0.51	.Q	.	.	.	V	.
20.350	1.4019	0.51	.Q	.	.	.	V	.
20.367	1.4026	0.51	.Q	.	.	.	V	.
20.383	1.4033	0.51	.Q	.	.	.	V	.
20.400	1.4040	0.51	.Q	.	.	.	V	.
20.417	1.4047	0.51	.Q	.	.	.	V	.
20.433	1.4054	0.50	.Q	.	.	.	V	.
20.450	1.4061	0.50	.Q	.	.	.	V	.
20.467	1.4068	0.50	.Q	.	.	.	V	.
20.483	1.4075	0.50	.Q	.	.	.	V	.
20.500	1.4082	0.50	.Q	.	.	.	V	.
20.517	1.4089	0.50	Q	.	.	.	V	.
20.533	1.4095	0.50	Q	.	.	.	V	.
20.550	1.4102	0.50	Q	.	.	.	V	.
20.567	1.4109	0.50	Q	.	.	.	V	.
20.583	1.4116	0.50	Q	.	.	.	V	.
20.600	1.4123	0.50	Q	.	.	.	V	.
20.617	1.4130	0.49	Q	.	.	.	V	.
20.633	1.4136	0.49	Q	.	.	.	V	.
20.650	1.4143	0.49	Q	.	.	.	V	.
20.667	1.4150	0.49	Q	.	.	.	V	.
20.683	1.4157	0.49	Q	.	.	.	V	.
20.700	1.4163	0.49	Q	.	.	.	V	.
20.717	1.4170	0.49	Q	.	.	.	V	.
20.733	1.4177	0.49	Q	.	.	.	V	.
20.750	1.4184	0.49	Q	.	.	.	V	.
20.767	1.4190	0.49	Q	.	.	.	V	.
20.783	1.4197	0.48	Q	.	.	.	V	.
20.800	1.4204	0.48	Q	.	.	.	V	.
20.817	1.4210	0.48	Q	.	.	.	V	.
20.833	1.4217	0.48	Q	.	.	.	V	.
20.850	1.4224	0.48	Q	.	.	.	V	.
20.867	1.4230	0.48	Q	.	.	.	V	.

20.883	1.4237	0.48	Q	.	.	.	V	.
20.900	1.4243	0.48	Q	.	.	.	V	.
20.917	1.4250	0.48	Q	.	.	.	V	.
20.933	1.4257	0.48	Q	.	.	.	V	.
20.950	1.4263	0.48	Q	.	.	.	V	.
20.967	1.4270	0.48	Q	.	.	.	V	.
20.983	1.4276	0.47	Q	.	.	.	V	.
21.000	1.4283	0.47	Q	.	.	.	V	.
21.017	1.4289	0.47	Q	.	.	.	V	.
21.033	1.4296	0.47	Q	.	.	.	V	.
21.050	1.4302	0.47	Q	.	.	.	V	.
21.067	1.4309	0.47	Q	.	.	.	V	.
21.083	1.4315	0.47	Q	.	.	.	V	.
21.100	1.4322	0.47	Q	.	.	.	V	.
21.117	1.4328	0.47	Q	.	.	.	V	.
21.133	1.4335	0.47	Q	.	.	.	V	.
21.150	1.4341	0.47	Q	.	.	.	V	.
21.167	1.4347	0.47	Q	.	.	.	V	.
21.183	1.4354	0.46	Q	.	.	.	V	.
21.200	1.4360	0.46	Q	.	.	.	V	.
21.217	1.4367	0.46	Q	.	.	.	V	.
21.233	1.4373	0.46	Q	.	.	.	V	.
21.250	1.4379	0.46	Q	.	.	.	V	.
21.267	1.4386	0.46	Q	.	.	.	V	.
21.283	1.4392	0.46	Q	.	.	.	V	.
21.300	1.4398	0.46	Q	.	.	.	V	.
21.317	1.4405	0.46	Q	.	.	.	V	.
21.333	1.4411	0.46	Q	.	.	.	V	.
21.350	1.4417	0.46	Q	.	.	.	V	.
21.367	1.4424	0.46	Q	.	.	.	V	.
21.383	1.4430	0.46	Q	.	.	.	V	.
21.400	1.4436	0.45	Q	.	.	.	V	.
21.417	1.4442	0.45	Q	.	.	.	V	.
21.433	1.4449	0.45	Q	.	.	.	V	.
21.450	1.4455	0.45	Q	.	.	.	V	.
21.467	1.4461	0.45	Q	.	.	.	V	.
21.483	1.4467	0.45	Q	.	.	.	V	.
21.500	1.4473	0.45	Q	.	.	.	V	.
21.517	1.4480	0.45	Q	.	.	.	V	.
21.533	1.4486	0.45	Q	.	.	.	V	.
21.550	1.4492	0.45	Q	.	.	.	V	.
21.567	1.4498	0.45	Q	.	.	.	V	.
21.583	1.4504	0.45	Q	.	.	.	V	.
21.600	1.4510	0.45	Q	.	.	.	V	.
21.617	1.4517	0.45	Q	.	.	.	V	.
21.633	1.4523	0.44	Q	.	.	.	V	.
21.650	1.4529	0.44	Q	.	.	.	V	.
21.667	1.4535	0.44	Q	.	.	.	V	.
21.683	1.4541	0.44	Q	.	.	.	V	.
21.700	1.4547	0.44	Q	.	.	.	V	.

21.717	1.4553	0.44	Q	.	.	.	V .
21.733	1.4559	0.44	Q	.	.	.	V .
21.750	1.4565	0.44	Q	.	.	.	V .
21.767	1.4571	0.44	Q	.	.	.	V .
21.783	1.4578	0.44	Q	.	.	.	V .
21.800	1.4584	0.44	Q	.	.	.	V .
21.817	1.4590	0.44	Q	.	.	.	V .
21.833	1.4596	0.44	Q	.	.	.	V .
21.850	1.4602	0.44	Q	.	.	.	V .
21.867	1.4608	0.44	Q	.	.	.	V .
21.883	1.4614	0.44	Q	.	.	.	V .
21.900	1.4620	0.43	Q	.	.	.	V .
21.917	1.4626	0.43	Q	.	.	.	V .
21.933	1.4632	0.43	Q	.	.	.	V .
21.950	1.4637	0.43	Q	.	.	.	V .
21.967	1.4643	0.43	Q	.	.	.	V .
21.983	1.4649	0.43	Q	.	.	.	V .
22.000	1.4655	0.43	Q	.	.	.	V .
22.017	1.4661	0.43	Q	.	.	.	V .
22.033	1.4667	0.43	Q	.	.	.	V .
22.050	1.4673	0.43	Q	.	.	.	V .
22.067	1.4679	0.43	Q	.	.	.	V .
22.083	1.4685	0.43	Q	.	.	.	V .
22.100	1.4691	0.43	Q	.	.	.	V .
22.117	1.4697	0.43	Q	.	.	.	V .
22.133	1.4702	0.43	Q	.	.	.	V .
22.150	1.4708	0.43	Q	.	.	.	V .
22.167	1.4714	0.42	Q	.	.	.	V .
22.183	1.4720	0.42	Q	.	.	.	V .
22.200	1.4726	0.42	Q	.	.	.	V .
22.217	1.4732	0.42	Q	.	.	.	V .
22.233	1.4737	0.42	Q	.	.	.	V .
22.250	1.4743	0.42	Q	.	.	.	V .
22.267	1.4749	0.42	Q	.	.	.	V .
22.283	1.4755	0.42	Q	.	.	.	V .
22.300	1.4761	0.42	Q	.	.	.	V .
22.317	1.4766	0.42	Q	.	.	.	V .
22.333	1.4772	0.42	Q	.	.	.	V .
22.350	1.4778	0.42	Q	.	.	.	V .
22.367	1.4784	0.42	Q	.	.	.	V .
22.383	1.4789	0.42	Q	.	.	.	V .
22.400	1.4795	0.42	Q	.	.	.	V .
22.417	1.4801	0.42	Q	.	.	.	V .
22.433	1.4807	0.42	Q	.	.	.	V .
22.450	1.4812	0.41	Q	.	.	.	V .
22.467	1.4818	0.41	Q	.	.	.	V .
22.483	1.4824	0.41	Q	.	.	.	V .
22.500	1.4829	0.41	Q	.	.	.	V .
22.517	1.4835	0.41	Q	.	.	.	V .
22.533	1.4841	0.41	Q	.	.	.	V .

22.550	1.4846	0.41	Q	.	.	.	V .
22.567	1.4852	0.41	Q	.	.	.	V .
22.583	1.4858	0.41	Q	.	.	.	V .
22.600	1.4863	0.41	Q	.	.	.	V .
22.617	1.4869	0.41	Q	.	.	.	V .
22.633	1.4875	0.41	Q	.	.	.	V .
22.650	1.4880	0.41	Q	.	.	.	V .
22.667	1.4886	0.41	Q	.	.	.	V .
22.683	1.4891	0.41	Q	.	.	.	V .
22.700	1.4897	0.41	Q	.	.	.	V .
22.717	1.4903	0.41	Q	.	.	.	V .
22.733	1.4908	0.41	Q	.	.	.	V .
22.750	1.4914	0.40	Q	.	.	.	V .
22.767	1.4919	0.40	Q	.	.	.	V .
22.783	1.4925	0.40	Q	.	.	.	V .
22.800	1.4930	0.40	Q	.	.	.	V .
22.817	1.4936	0.40	Q	.	.	.	V .
22.833	1.4942	0.40	Q	.	.	.	V .
22.850	1.4947	0.40	Q	.	.	.	V .
22.867	1.4953	0.40	Q	.	.	.	V .
22.883	1.4958	0.40	Q	.	.	.	V .
22.900	1.4964	0.40	Q	.	.	.	V .
22.917	1.4969	0.40	Q	.	.	.	V .
22.933	1.4975	0.40	Q	.	.	.	V .
22.950	1.4980	0.40	Q	.	.	.	V .
22.967	1.4986	0.40	Q	.	.	.	V .
22.983	1.4991	0.40	Q	.	.	.	V .
23.000	1.4997	0.40	Q	.	.	.	V .
23.017	1.5002	0.40	Q	.	.	.	V .
23.033	1.5008	0.40	Q	.	.	.	V .
23.050	1.5013	0.40	Q	.	.	.	V .
23.067	1.5018	0.40	Q	.	.	.	V.
23.083	1.5024	0.39	Q	.	.	.	V.
23.100	1.5029	0.39	Q	.	.	.	V.
23.117	1.5035	0.39	Q	.	.	.	V.
23.133	1.5040	0.39	Q	.	.	.	V.
23.150	1.5046	0.39	Q	.	.	.	V.
23.167	1.5051	0.39	Q	.	.	.	V.
23.183	1.5056	0.39	Q	.	.	.	V.
23.200	1.5062	0.39	Q	.	.	.	V.
23.217	1.5067	0.39	Q	.	.	.	V.
23.233	1.5073	0.39	Q	.	.	.	V.
23.250	1.5078	0.39	Q	.	.	.	V.
23.267	1.5083	0.39	Q	.	.	.	V.
23.283	1.5089	0.39	Q	.	.	.	V.
23.300	1.5094	0.39	Q	.	.	.	V.
23.317	1.5099	0.39	Q	.	.	.	V.
23.333	1.5105	0.39	Q	.	.	.	V.
23.350	1.5110	0.39	Q	.	.	.	V.
23.367	1.5115	0.39	Q	.	.	.	V.

23.383	1.5121	0.39	Q	.	.	.	V.
23.400	1.5126	0.39	Q	.	.	.	V.
23.417	1.5131	0.39	Q	.	.	.	V.
23.433	1.5137	0.39	Q	.	.	.	V.
23.450	1.5142	0.38	Q	.	.	.	V.
23.467	1.5147	0.38	Q	.	.	.	V.
23.483	1.5152	0.38	Q	.	.	.	V.
23.500	1.5158	0.38	Q	.	.	.	V.
23.517	1.5163	0.38	Q	.	.	.	V.
23.533	1.5168	0.38	Q	.	.	.	V.
23.550	1.5174	0.38	Q	.	.	.	V.
23.567	1.5179	0.38	Q	.	.	.	V.
23.583	1.5184	0.38	Q	.	.	.	V.
23.600	1.5189	0.38	Q	.	.	.	V.
23.617	1.5195	0.38	Q	.	.	.	V.
23.633	1.5200	0.38	Q	.	.	.	V.
23.650	1.5205	0.38	Q	.	.	.	V.
23.667	1.5210	0.38	Q	.	.	.	V.
23.683	1.5215	0.38	Q	.	.	.	V.
23.700	1.5221	0.38	Q	.	.	.	V.
23.717	1.5226	0.38	Q	.	.	.	V.
23.733	1.5231	0.38	Q	.	.	.	V.
23.750	1.5236	0.38	Q	.	.	.	V.
23.767	1.5241	0.38	Q	.	.	.	V.
23.783	1.5247	0.38	Q	.	.	.	V.
23.800	1.5252	0.38	Q	.	.	.	V.
23.817	1.5257	0.38	Q	.	.	.	V.
23.833	1.5262	0.37	Q	.	.	.	V.
23.850	1.5267	0.37	Q	.	.	.	V.
23.867	1.5272	0.37	Q	.	.	.	V.
23.883	1.5278	0.37	Q	.	.	.	V.
23.900	1.5283	0.37	Q	.	.	.	V.
23.917	1.5288	0.37	Q	.	.	.	V.
23.933	1.5293	0.37	Q	.	.	.	V.
23.950	1.5298	0.37	Q	.	.	.	V.
23.967	1.5303	0.37	Q	.	.	.	V.
23.983	1.5308	0.37	Q	.	.	.	V.
24.000	1.5313	0.37	Q	.	.	.	V.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1441.0
10%	715.0
20%	300.0
30%	170.0

40%	110.0
50%	95.0
60%	75.0
70%	55.0
80%	35.0
90%	20.0

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END OF FLOODSCx ROUTING ANALYSIS

Cherry Outpost

(Proposed Condition) Small Area Hydrograph Loss Rates

Subarea	Area (acres)	Soil Type	Land Use	A_p	A_i	F_p (in/hr) Adj. Infiltration Rate	F_m	Runoff Index (RI)	$\bar{y}$ Storm Event - Year
									100
								AMC	P_{24} (Inches)
								II	5.87
A-1	0.218	A	Natural or Agriculture	1.00	0.00	0.742	0.74	32	0.004
A-1	0.010	C	Natural or Agriculture	1.00	0.00	0.373	0.37	69	0.004
A-1	1.664	A	Commercial	0.10	0.90	0.141	0.14	32	1.440
A-1	0.285	C	Commercial	0.10	0.90	0.071	0.07	69	0.259
A-1.1	0.327	A	Natural or Agriculture	1.00	0.00	0.742	0.74	32	0.006
A-1.1	0.254	C	Natural or Agriculture	1.00	0.00	0.373	0.37	69	0.113
A-1.1	0.673	A	Commercial	0.10	0.90	0.141	0.14	32	0.582
A-1.1	0.327	C	Commercial	0.10	0.90	0.071	0.07	69	0.297
A-2	0.108	A	Natural or Agriculture	1.00	0.00	0.742	0.74	32	0.002
A-2	0.432	C	Natural or Agriculture	1.00	0.00	0.373	0.37	69	0.192
A-2.1	0.006	A	Natural or Agriculture	1.00	0.00	0.742	0.74	32	0.000
A-2.1	0.015	C	Natural or Agriculture	1.00	0.00	0.373	0.37	69	0.007
A-2.1	0.158	A	Commercial	0.10	0.90	0.141	0.14	32	0.137
A-2.1	0.712	C	Commercial	0.10	0.90	0.071	0.07	69	0.646
A-2.2	0.025	A	Natural or Agriculture	1.00	0.00	0.742	0.74	32	0.000
A-2.2	0.096	A	Commercial	0.10	0.90	0.141	0.14	32	0.083
A-2.2	0.064	C	Commercial	0.10	0.90	0.071	0.07	69	0.058
A-2.3	0.063	A	Natural or Agriculture	1.00	0.00	0.742	0.74	32	0.001
A-2.3	0.059	C	Natural or Agriculture	1.00	0.00	0.373	0.37	69	0.026
A-2.3	0.166	A	Commercial	0.10	0.90	0.141	0.14	32	0.144
A-2.3	0.287	C	Commercial	0.10	0.90	0.071	0.07	69	0.261
Total =	5.95						0.227		0.283

Cherry Outpost

(Proposed Condition) Loss Rates Summary

	STORM EVENT
	100-YR
Tc =	11.180
Area =	5.949
$\bar{y}$ =	0.283
F_m =	0.227

PROPOSED BASIN A

Rating Table

	Stage (feet)	Depth (feet)	Headwater Elevation* (ft)	Surface Area (ft^2)	Surface Area (acres)	Storage Volume (ac-ft)		Storage Volume (ft^3)	Oulet Discharge (cfs)
						i	S	S	
1	1396.00	0.00	0.00	3697	0.08		0.00	0	0.0
2	1396.50	0.50	0.00	4149	0.10	0.045	0.045	1961	0.0
3	1397.00	1.00	0.50	4821	0.11	0.051	0.097	4204	2.7
4	1398.00	2.00	1.50	6155	0.14	0.126	0.222	9692	4.8
5	1399.00	3.00	2.50	7535	0.17	0.157	0.380	16537	6.1
6	1400.00	4.00	3.50	8852	0.20	0.188	0.568	24730	7.3

Nyloplast Inlet Capacity Table

DISCLAIMER: SAFETY FACTORS ARE NOT INCLUDED IN THESE CALCULATIONS. ACTUAL CALCULATIONS SHOULD BE CARRIED OUT AND VERIFIED BY THE DESIGN ENGINEER TAKING INTO ACCOUNT ALL LOCAL CONDITIONS. NYLOPLAST RECOMMENDS USING A MINIMUM SAFETY FACTOR OF 1.25 FOR PAVED AREAS AND 2.0 FOR TURF AREAS. ADS/NYLOPLAST IS NOT RESPONSIBLE FOR MISUSE OF THIS TOOL.

Input	
Type of Grate	18" Standard
Head (ft)	0.5

Properties	
Orifice Flow Area (in)	**116.72**
Orifice Flow Area (ft)	**0.81**
Weir Flow Perimeter (in)	**52.04**
Weir Flow Perimeter (ft)	**4.34**

Solution	
Capacity (cfs)	**2.74**
Capacity (gpm)	**1230.13**

$$Q_{weir} = CLH^{3/2}$$

$C = 3.33\ Weir\ Discharge\ Coefficient$

$L = Perimeter\ of\ Grate\ Opening\ (ft)$

$H = Flow\ Height\ of\ Water\ Surface\ Above\ Weir\ (ft)$

$$Q_{orifice} = CA\sqrt{2gh}$$

$C = 0.60\ Orifice\ Discharge\ Coefficient$

$A = Area\ of\ the\ Orifice\ (ft^2)$

$g = Gravitational\ Constant\ \left(32.2\frac{ft}{s^2}\right)$

$H = Depth\ of\ Water\ Above\ Center\ of\ Orifice\ (ft)$

REV 5.4.12

Nyloplast Inlet Capacity Table

DISCLAIMER: SAFETY FACTORS ARE NOT INCLUDED IN THESE CALCULATIONS. ACTUAL CALCULATIONS SHOULD BE CARRIED OUT AND VERIFIED BY THE DESIGN ENGINEER TAKING INTO ACCOUNT ALL LOCAL CONDITIONS. NYLOPLAST RECOMMENDS USING A MINIMUM SAFETY FACTOR OF 1.25 FOR PAVED AREAS AND 2.0 FOR TURF AREAS. ADS/NYLOPLAST IS NOT RESPONSIBLE FOR MISUSE OF THIS TOOL.

Input	
Type of Grate	18" Standard
Head (ft)	1.5

Properties	
Orifice Flow Area (in)	**116.72**
Orifice Flow Area (ft)	**0.81**
Weir Flow Perimeter (in)	**52.04**
Weir Flow Perimeter (ft)	**4.34**

Solution	
Capacity (cfs)	**4.75**
Capacity (gpm)	**2130.65**

$$Q_{weir} = CLH^{3/2}$$

$C = 3.33\ Weir\ Discharge\ Coefficient$

$L = Perimeter\ of\ Grate\ Opening\ (ft)$

$H = Flow\ Height\ of\ Water\ Surface\ Above\ Weir\ (ft)$

$$Q_{orifice} = CA\sqrt{2gh}$$

$C = 0.60\ Orifice\ Discharge\ Coefficient$

$A = Area\ of\ the\ Orifice\ (ft^2)$

$g = Gravitational\ Constant\ \left(32.2\frac{ft}{s^2}\right)$

$H = Depth\ of\ Water\ Above\ Center\ of\ Orifice\ (ft)$

REV 5.4.12

Nyloplast Inlet Capacity Table

DISCLAIMER: SAFETY FACTORS ARE NOT INCLUDED IN THESE CALCULATIONS. ACTUAL CALCULATIONS SHOULD BE CARRIED OUT AND VERIFIED BY THE DESIGN ENGINEER TAKING INTO ACCOUNT ALL LOCAL CONDITIONS. NYLOPLAST RECOMMENDS USING A MINIMUM SAFETY FACTOR OF 1.25 FOR PAVED AREAS AND 2.0 FOR TURF AREAS. ADS/NYLOPLAST IS NOT RESPONSIBLE FOR MISUSE OF THIS TOOL.

Input	
Type of Grate	18" Standard
Head (ft)	2.5

Properties	
Orifice Flow Area (in)	**116.72**
Orifice Flow Area (ft)	**0.81**
Weir Flow Perimeter (in)	**52.04**
Weir Flow Perimeter (ft)	**4.34**

Solution	
Capacity (cfs)	**6.13**
Capacity (gpm)	**2750.65**

$$Q_{weir} = CLH^{3/2}$$

$C = 3.33\ Weir\ Discharge\ Coefficient$

$L = Perimeter\ of\ Grate\ Opening\ (ft)$

$H = Flow\ Height\ of\ Water\ Surface\ Above\ Weir\ (ft)$

$$Q_{orifice} = CA\sqrt{2gh}$$

$C = 0.60\ Orifice\ Discharge\ Coefficient$

$A = Area\ of\ the\ Orifice\ (ft^2)$

$g = Gravitational\ Constant\ \left(32.2\frac{ft}{s^2}\right)$

$H = Depth\ of\ Water\ Above\ Center\ of\ Orifice\ (ft)$

REV 5.4.12

Nyloplast Inlet Capacity Table

DISCLAIMER: SAFETY FACTORS ARE NOT INCLUDED IN THESE CALCULATIONS. ACTUAL CALCULATIONS SHOULD BE CARRIED OUT AND VERIFIED BY THE DESIGN ENGINEER TAKING INTO ACCOUNT ALL LOCAL CONDITIONS. NYLOPLAST RECOMMENDS USING A MINIMUM SAFETY FACTOR OF 1.25 FOR PAVED AREAS AND 2.0 FOR TURF AREAS. ADS/NYLOPLAST IS NOT RESPONSIBLE FOR MISUSE OF THIS TOOL.

Input	
Type of Grate	18" Standard
Head (ft)	3.5

Properties	
Orifice Flow Area (in)	**116.72**
Orifice Flow Area (ft)	**0.81**
Weir Flow Perimeter (in)	**52.04**
Weir Flow Perimeter (ft)	**4.34**

Solution	
Capacity (cfs)	**7.25**
Capacity (gpm)	**3254.62**

$$Q_{weir} = CLH^{3/2}$$

$C = 3.33\ Weir\ Discharge\ Coefficient$

$L = Perimeter\ of\ Grate\ Opening\ (ft)$

$H = Flow\ Height\ of\ Water\ Surface\ Above\ Weir\ (ft)$

$$Q_{orifice} = CA\sqrt{2gh}$$

$C = 0.60\ Orifice\ Discharge\ Coefficient$

$A = Area\ of\ the\ Orifice\ (ft^2)$

$g = Gravitational\ Constant\ \left(32.2\frac{ft}{s^2}\right)$

$H = Depth\ of\ Water\ Above\ Center\ of\ Orifice\ (ft)$

REV 5.4.12

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************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
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                         Analysis prepared by:




 ************************* DESCRIPTION OF STUDY *************************
* SP8997 - WILDOMAR CHERRY OUTPOST                                      *
* PROPOSED CONDITION SMALL AREA UNIT HYDROGRAPH                         *
* 100-YEAR STORM EVENT FLOW THROUGH BASIN                               *
 ************************************************************************

  FILE NAME: 100YRPRH.DAT
  TIME/DATE OF STUDY: 15:39 04/30/2024

   The Small Area Unit Hydrograph Procedures in Section J
   of the Hydrology Manual provides estimates of runoff
   hydrograph and runoff volume for watersheds whose time of
   concentration is less than 25 minutes. The PROGRAM User
   should check the applicability of using the small area unit
   hydrograph procedures, and follow the guidelines in
   Sections J and K.5 in complex watershed modeling.


************************************************************************
  FLOW PROCESS FROM NODE     10.00 TO NODE    110.00 IS CODE = 1.2
------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
========================================================================

  (SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

    RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
    TOTAL CATCHMENT AREA(ACRES) =    5.95
    SOIL-LOSS RATE, Fm,(INCH/HR) =  0.227
    LOW LOSS FRACTION = 0.283
    TIME OF CONCENTRATION(MIN.) = 11.18
    SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
    USER SPECIFIED RAINFALL VALUES ARE USED:
    RETURN FREQUENCY(YEARS) = 100
       5-MINUTE POINT RAINFALL VALUE(INCHES) =  0.31
      30-MINUTE POINT RAINFALL VALUE(INCHES) =  0.85
       1-HOUR   POINT RAINFALL VALUE(INCHES) =  1.31
       3-HOUR   POINT RAINFALL VALUE(INCHES) =  2.13
       6-HOUR   POINT RAINFALL VALUE(INCHES) =  2.96
      24-HOUR   POINT RAINFALL VALUE(INCHES) =  5.87

------------------------------------------------------------------------
    TOTAL CATCHMENT   RUNOFF  VOLUME(ACRE-FEET) =     1.93
    TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) =     0.98
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------------------------------------------------------------------------
♠
========================================================================

                    2 4 - H O U R    S T O R M
                 R U N O F F    H Y D R O G R A P H

========================================================================
              HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
       (Notes: Time indicated is at END of Each Unit Intervals.
               Peak 5-minute rainfall intensity is modeled as
               a constant value for entire 5-minute period.)
------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.        3.2       6.4       9.6      12.8
------------------------------------------------------------------------
   0.017      0.0000      0.02  Q         .         .         .         .
   0.033      0.0001      0.07  Q         .         .         .         .
   0.050      0.0003      0.12  Q         .         .         .         .
   0.067      0.0005      0.17  Q         .         .         .         .
   0.083      0.0008      0.22  Q         .         .         .         .
   0.100      0.0012      0.26  Q         .         .         .         .
   0.117      0.0016      0.31  Q         .         .         .         .
   0.133      0.0021      0.36  VQ        .         .         .         .
   0.150      0.0027      0.41  VQ        .         .         .         .
   0.167      0.0033      0.45  VQ        .         .         .         .
   0.183      0.0039      0.46  VQ        .         .         .         .
   0.200      0.0046      0.46  VQ        .         .         .         .
   0.217      0.0052      0.46  VQ        .         .         .         .
   0.233      0.0059      0.47  VQ        .         .         .         .
   0.250      0.0065      0.47  VQ        .         .         .         .
   0.267      0.0071      0.47  VQ        .         .         .         .
   0.283      0.0078      0.47  VQ        .         .         .         .
   0.300      0.0084      0.47  VQ        .         .         .         .
   0.317      0.0091      0.47  VQ        .         .         .         .
   0.333      0.0097      0.47  VQ        .         .         .         .
   0.350      0.0103      0.47  VQ        .         .         .         .
   0.367      0.0110      0.47  VQ        .         .         .         .
   0.383      0.0116      0.47  VQ        .         .         .         .
   0.400      0.0123      0.47  VQ        .         .         .         .
   0.417      0.0129      0.47  VQ        .         .         .         .
   0.433      0.0136      0.47  VQ        .         .         .         .
   0.450      0.0142      0.47  VQ        .         .         .         .
   0.467      0.0149      0.47  VQ        .         .         .         .
   0.483      0.0155      0.47  VQ        .         .         .         .
   0.500      0.0161      0.47  VQ        .         .         .         .
   0.517      0.0168      0.47  VQ        .         .         .         .
   0.533      0.0174      0.47  VQ        .         .         .         .
   0.550      0.0181      0.47  VQ        .         .         .         .
   0.567      0.0187      0.47  VQ        .         .         .         .
   0.583      0.0194      0.47  VQ        .         .         .         .
   0.600      0.0200      0.47  VQ        .         .         .         .
   0.617      0.0207      0.47  VQ        .         .         .         .
   0.633      0.0213      0.47  VQ        .         .         .         .
   0.650      0.0220      0.47  VQ        .         .         .         .
   0.667      0.0226      0.47  VQ        .         .         .         .
   0.683      0.0233      0.47  VQ        .         .         .         .
   0.700      0.0239      0.47  VQ        .         .         .         .
   0.717      0.0246      0.47  VQ        .         .         .         .
```

0.733	0.0252	0.47	VQ	.	.	.	.
0.750	0.0259	0.47	VQ	.	.	.	.
0.767	0.0265	0.47	VQ	.	.	.	.
0.783	0.0272	0.47	VQ	.	.	.	.
0.800	0.0278	0.47	VQ	.	.	.	.
0.817	0.0285	0.47	VQ	.	.	.	.
0.833	0.0291	0.47	VQ	.	.	.	.
0.850	0.0298	0.47	VQ	.	.	.	.
0.867	0.0304	0.47	VQ	.	.	.	.
0.883	0.0311	0.48	VQ	.	.	.	.
0.900	0.0317	0.48	VQ	.	.	.	.
0.917	0.0324	0.48	VQ	.	.	.	.
0.933	0.0331	0.48	VQ	.	.	.	.
0.950	0.0337	0.48	VQ	.	.	.	.
0.967	0.0344	0.48	VQ	.	.	.	.
0.983	0.0350	0.48	VQ	.	.	.	.
1.000	0.0357	0.48	VQ	.	.	.	.
1.017	0.0363	0.48	VQ	.	.	.	.
1.033	0.0370	0.48	VQ	.	.	.	.
1.050	0.0377	0.48	VQ	.	.	.	.
1.067	0.0383	0.48	VQ	.	.	.	.
1.083	0.0390	0.48	VQ	.	.	.	.
1.100	0.0396	0.48	VQ	.	.	.	.
1.117	0.0403	0.48	VQ	.	.	.	.
1.133	0.0409	0.48	VQ	.	.	.	.
1.150	0.0416	0.48	VQ	.	.	.	.
1.167	0.0423	0.48	VQ	.	.	.	.
1.183	0.0429	0.48	VQ	.	.	.	.
1.200	0.0436	0.48	VQ	.	.	.	.
1.217	0.0442	0.48	VQ	.	.	.	.
1.233	0.0449	0.48	VQ	.	.	.	.
1.250	0.0456	0.48	VQ	.	.	.	.
1.267	0.0462	0.48	VQ	.	.	.	.
1.283	0.0469	0.48	VQ	.	.	.	.
1.300	0.0476	0.48	VQ	.	.	.	.
1.317	0.0482	0.48	.Q	.	.	.	.
1.333	0.0489	0.48	.Q	.	.	.	.
1.350	0.0496	0.48	.Q	.	.	.	.
1.367	0.0502	0.48	.Q	.	.	.	.
1.383	0.0509	0.48	.Q	.	.	.	.
1.400	0.0516	0.48	.Q	.	.	.	.
1.417	0.0522	0.48	.Q	.	.	.	.
1.433	0.0529	0.48	.Q	.	.	.	.
1.450	0.0535	0.48	.Q	.	.	.	.
1.467	0.0542	0.48	.Q	.	.	.	.
1.483	0.0549	0.48	.Q	.	.	.	.
1.500	0.0555	0.48	.Q	.	.	.	.
1.517	0.0562	0.48	.Q	.	.	.	.
1.533	0.0569	0.49	.Q	.	.	.	.
1.550	0.0576	0.49	.Q	.	.	.	.
1.567	0.0582	0.49	.Q	.	.	.	.
1.583	0.0589	0.49	.Q	.	.	.	.
1.600	0.0596	0.49	.Q	.	.	.	.
1.617	0.0602	0.49	.Q	.	.	.	.
1.633	0.0609	0.49	.Q	.	.	.	.
1.650	0.0616	0.49	.Q	.	.	.	.
1.667	0.0622	0.49	.Q	.	.	.	.
1.683	0.0629	0.49	.Q	.	.	.	.
1.700	0.0636	0.49	.Q	.	.	.	.
1.717	0.0643	0.49	.Q	.	.	.	.
1.733	0.0649	0.49	.Q	.	.	.	.
1.750	0.0656	0.49	.Q	.	.	.	.
1.767	0.0663	0.49	.Q	.	.	.	.
1.783	0.0670	0.49	.Q	.	.	.	.
1.800	0.0676	0.49	.Q	.	.	.	.
1.817	0.0683	0.49	.Q	.	.	.	.
1.833	0.0690	0.49	.Q	.	.	.	.
1.850	0.0697	0.49	.Q	.	.	.	.
1.867	0.0703	0.49	.Q	.	.	.	.
1.883	0.0710	0.49	.Q	.	.	.	.
1.900	0.0717	0.49	.Q	.	.	.	.
1.917	0.0724	0.49	.Q	.	.	.	.
1.933	0.0730	0.49	.Q	.	.	.	.
1.950	0.0737	0.49	.Q	.	.	.	.
1.967	0.0744	0.49	.Q	.	.	.	.
1.983	0.0751	0.49	.Q	.	.	.	.
2.000	0.0758	0.49	.Q	.	.	.	.
2.017	0.0764	0.49	.Q	.	.	.	.
2.033	0.0771	0.49	.Q	.	.	.	.
2.050	0.0778	0.49	.Q	.	.	.	.
2.067	0.0785	0.49	.Q	.	.	.	.
2.083	0.0792	0.50	.Q	.	.	.	.
2.100	0.0798	0.50	.Q	.	.	.	.
2.117	0.0805	0.50	.Q	.	.	.	.
2.133	0.0812	0.50	.Q	.	.	.	.
2.150	0.0819	0.50	.Q	.	.	.	.
2.167	0.0826	0.50	.Q	.	.	.	.
2.183	0.0833	0.50	.Q	.	.	.	.
2.200	0.0839	0.50	.Q	.	.	.	.
2.217	0.0846	0.50	.Q	.	.	.	.
2.233	0.0853	0.50	.Q	.	.	.	.
2.250	0.0860	0.50	.Q	.	.	.	.
2.267	0.0867	0.50	.Q	.	.	.	.
2.283	0.0874	0.50	.Q	.	.	.	.
2.300	0.0881	0.50	.Q	.	.	.	.
2.317	0.0887	0.50	.Q	.	.	.	.
2.333	0.0894	0.50	.Q	.	.	.	.
2.350	0.0901	0.50	.Q	.	.	.	.
2.367	0.0908	0.50	.Q	.	.	.	.
2.383	0.0915	0.50	.Q	.	.	.	.
2.400	0.0922	0.50	.Q	.	.	.	.
2.417	0.0929	0.50	.Q	.	.	.	.
2.433	0.0936	0.50	.Q	.	.	.	.
2.450	0.0943	0.50	.Q	.	.	.	.
2.467	0.0950	0.50	.Q	.	.	.	.
2.483	0.0956	0.50	.Q	.	.	.	.
2.500	0.0963	0.50	.Q	.	.	.	.
2.517	0.0970	0.50	.QV	.	.	.	.
2.533	0.0977	0.50	.QV	.	.	.	.
2.550	0.0984	0.50	.QV	.	.	.	.
2.567	0.0991	0.50	.QV	.	.	.	.
2.583	0.0998	0.50	.QV	.	.	.	.
2.600	0.1005	0.50	.QV	.	.	.	.
2.617	0.1012	0.50	.QV	.	.	.	.
2.633	0.1019	0.50	.QV	.	.	.	.
2.650	0.1026	0.50	.QV	.	.	.	.
2.667	0.1033	0.51	.QV	.	.	.	.
2.683	0.1040	0.51	.QV	.	.	.	.

2.700	0.1047	0.51	.QV	.	.	.	.
2.717	0.1054	0.51	.QV	.	.	.	.
2.733	0.1061	0.51	.QV	.	.	.	.
2.750	0.1068	0.51	.QV	.	.	.	.
2.767	0.1075	0.51	.QV	.	.	.	.
2.783	0.1082	0.51	.QV	.	.	.	.
2.800	0.1089	0.51	.QV	.	.	.	.
2.817	0.1096	0.51	.QV	.	.	.	.
2.833	0.1103	0.51	.QV	.	.	.	.
2.850	0.1110	0.51	.QV	.	.	.	.
2.867	0.1117	0.51	.QV	.	.	.	.
2.883	0.1124	0.51	.QV	.	.	.	.
2.900	0.1131	0.51	.QV	.	.	.	.
2.917	0.1138	0.51	.QV	.	.	.	.
2.933	0.1145	0.51	.QV	.	.	.	.
2.950	0.1152	0.51	.QV	.	.	.	.
2.967	0.1159	0.51	.QV	.	.	.	.
2.983	0.1166	0.51	.QV	.	.	.	.
3.000	0.1173	0.51	.QV	.	.	.	.
3.017	0.1180	0.51	.QV	.	.	.	.
3.033	0.1187	0.51	.QV	.	.	.	.
3.050	0.1194	0.51	.QV	.	.	.	.
3.067	0.1201	0.51	.QV	.	.	.	.
3.083	0.1208	0.51	.QV	.	.	.	.
3.100	0.1215	0.51	.QV	.	.	.	.
3.117	0.1222	0.51	.QV	.	.	.	.
3.133	0.1230	0.52	.QV	.	.	.	.
3.150	0.1237	0.52	.QV	.	.	.	.
3.167	0.1244	0.52	.QV	.	.	.	.
3.183	0.1251	0.52	.QV	.	.	.	.
3.200	0.1258	0.52	.QV	.	.	.	.
3.217	0.1265	0.52	.QV	.	.	.	.
3.233	0.1272	0.52	.QV	.	.	.	.
3.250	0.1279	0.52	.QV	.	.	.	.
3.267	0.1286	0.52	.QV	.	.	.	.
3.283	0.1294	0.52	.QV	.	.	.	.
3.300	0.1301	0.52	.QV	.	.	.	.
3.317	0.1308	0.52	.QV	.	.	.	.
3.333	0.1315	0.52	.QV	.	.	.	.
3.350	0.1322	0.52	.QV	.	.	.	.
3.367	0.1329	0.52	.QV	.	.	.	.
3.383	0.1336	0.52	.QV	.	.	.	.
3.400	0.1344	0.52	.QV	.	.	.	.
3.417	0.1351	0.52	.QV	.	.	.	.
3.433	0.1358	0.52	.QV	.	.	.	.
3.450	0.1365	0.52	.QV	.	.	.	.
3.467	0.1372	0.52	.QV	.	.	.	.
3.483	0.1380	0.52	.QV	.	.	.	.
3.500	0.1387	0.52	.QV	.	.	.	.
3.517	0.1394	0.52	.QV	.	.	.	.
3.533	0.1401	0.52	.QV	.	.	.	.
3.550	0.1408	0.52	.QV	.	.	.	.
3.567	0.1416	0.52	.QV	.	.	.	.
3.583	0.1423	0.52	.QV	.	.	.	.
3.600	0.1430	0.52	.QV	.	.	.	.
3.617	0.1437	0.52	.QV	.	.	.	.
3.633	0.1444	0.52	.QV	.	.	.	.
3.650	0.1452	0.53	.Q V	.	.	.	.
3.667	0.1459	0.53	.Q V	.	.	.	.
3.683	0.1466	0.53	.Q V	.	.	.	.
3.700	0.1473	0.53	.Q V	.	.	.	.
3.717	0.1481	0.53	.Q V	.	.	.	.
3.733	0.1488	0.53	.Q V	.	.	.	.
3.750	0.1495	0.53	.Q V	.	.	.	.
3.767	0.1502	0.53	.Q V	.	.	.	.
3.783	0.1510	0.53	.Q V	.	.	.	.
3.800	0.1517	0.53	.Q V	.	.	.	.
3.817	0.1524	0.53	.Q V	.	.	.	.
3.833	0.1532	0.53	.Q V	.	.	.	.
3.850	0.1539	0.53	.Q V	.	.	.	.
3.867	0.1546	0.53	.Q V	.	.	.	.
3.883	0.1553	0.53	.Q V	.	.	.	.
3.900	0.1561	0.53	.Q V	.	.	.	.
3.917	0.1568	0.53	.Q V	.	.	.	.
3.933	0.1575	0.53	.Q V	.	.	.	.
3.950	0.1583	0.53	.Q V	.	.	.	.
3.967	0.1590	0.53	.Q V	.	.	.	.
3.983	0.1597	0.53	.Q V	.	.	.	.
4.000	0.1605	0.53	.Q V	.	.	.	.
4.017	0.1612	0.53	.Q V	.	.	.	.
4.033	0.1619	0.53	.Q V	.	.	.	.
4.050	0.1627	0.53	.Q V	.	.	.	.
4.067	0.1634	0.53	.Q V	.	.	.	.
4.083	0.1641	0.53	.Q V	.	.	.	.
4.100	0.1649	0.53	.Q V	.	.	.	.
4.117	0.1656	0.53	.Q V	.	.	.	.
4.133	0.1664	0.54	.Q V	.	.	.	.
4.150	0.1671	0.54	.Q V	.	.	.	.
4.167	0.1678	0.54	.Q V	.	.	.	.
4.183	0.1686	0.54	.Q V	.	.	.	.
4.200	0.1693	0.54	.Q V	.	.	.	.
4.217	0.1701	0.54	.Q V	.	.	.	.
4.233	0.1708	0.54	.Q V	.	.	.	.
4.250	0.1715	0.54	.Q V	.	.	.	.
4.267	0.1723	0.54	.Q V	.	.	.	.
4.283	0.1730	0.54	.Q V	.	.	.	.
4.300	0.1738	0.54	.Q V	.	.	.	.
4.317	0.1745	0.54	.Q V	.	.	.	.
4.333	0.1753	0.54	.Q V	.	.	.	.
4.350	0.1760	0.54	.Q V	.	.	.	.
4.367	0.1768	0.54	.Q V	.	.	.	.
4.383	0.1775	0.54	.Q V	.	.	.	.
4.400	0.1782	0.54	.Q V	.	.	.	.
4.417	0.1790	0.54	.Q V	.	.	.	.
4.433	0.1797	0.54	.Q V	.	.	.	.
4.450	0.1805	0.54	.Q V	.	.	.	.
4.467	0.1812	0.54	.Q V	.	.	.	.
4.483	0.1820	0.54	.Q V	.	.	.	.
4.500	0.1827	0.54	.Q V	.	.	.	.
4.517	0.1835	0.54	.Q V	.	.	.	.
4.533	0.1842	0.54	.Q V	.	.	.	.
4.550	0.1850	0.55	.Q V	.	.	.	.
4.567	0.1857	0.55	.Q V	.	.	.	.
4.583	0.1865	0.55	.Q V	.	.	.	.
4.600	0.1872	0.55	.Q V	.	.	.	.
4.617	0.1880	0.55	.Q V	.	.	.	.
4.633	0.1887	0.55	.Q V	.	.	.	.
4.650	0.1895	0.55	.Q V	.	.	.	.

4.667	0.1903	0.55	.Q	V	.	.	.	.
4.683	0.1910	0.55	.Q	V	.	.	.	.
4.700	0.1918	0.55	.Q	V	.	.	.	.
4.717	0.1925	0.55	.Q	V	.	.	.	.
4.733	0.1933	0.55	.Q	V	.	.	.	.
4.750	0.1940	0.55	.Q	V	.	.	.	.
4.767	0.1948	0.55	.Q	V	.	.	.	.
4.783	0.1956	0.55	.Q	V	.	.	.	.
4.800	0.1963	0.55	.Q	V	.	.	.	.
4.817	0.1971	0.55	.Q	V	.	.	.	.
4.833	0.1978	0.55	.Q	V	.	.	.	.
4.850	0.1986	0.55	.Q	V	.	.	.	.
4.867	0.1994	0.55	.Q	V	.	.	.	.
4.883	0.2001	0.55	.Q	V	.	.	.	.
4.900	0.2009	0.55	.Q	V	.	.	.	.
4.917	0.2017	0.55	.Q	V	.	.	.	.
4.933	0.2024	0.55	.Q	V	.	.	.	.
4.950	0.2032	0.56	.Q	V	.	.	.	.
4.967	0.2039	0.56	.Q	V	.	.	.	.
4.983	0.2047	0.56	.Q	V	.	.	.	.
5.000	0.2055	0.56	.Q	V	.	.	.	.
5.017	0.2062	0.56	.Q	V	.	.	.	.
5.033	0.2070	0.56	.Q	V	.	.	.	.
5.050	0.2078	0.56	.Q	V	.	.	.	.
5.067	0.2086	0.56	.Q	V	.	.	.	.
5.083	0.2093	0.56	.Q	V	.	.	.	.
5.100	0.2101	0.56	.Q	V	.	.	.	.
5.117	0.2109	0.56	.Q	V	.	.	.	.
5.133	0.2116	0.56	.Q	V	.	.	.	.
5.150	0.2124	0.56	.Q	V	.	.	.	.
5.167	0.2132	0.56	.Q	V	.	.	.	.
5.183	0.2140	0.56	.Q	V	.	.	.	.
5.200	0.2147	0.56	.Q	V	.	.	.	.
5.217	0.2155	0.56	.Q	V	.	.	.	.
5.233	0.2163	0.56	.Q	V	.	.	.	.
5.250	0.2170	0.56	.Q	V	.	.	.	.
5.267	0.2178	0.56	.Q	V	.	.	.	.
5.283	0.2186	0.56	.Q	V	.	.	.	.
5.300	0.2194	0.56	.Q	V	.	.	.	.
5.317	0.2202	0.56	.Q	V	.	.	.	.
5.333	0.2209	0.57	.Q	V	.	.	.	.
5.350	0.2217	0.57	.Q	V	.	.	.	.
5.367	0.2225	0.57	.Q	V	.	.	.	.
5.383	0.2233	0.57	.Q	V	.	.	.	.
5.400	0.2241	0.57	.Q	V	.	.	.	.
5.417	0.2248	0.57	.Q	V	.	.	.	.
5.433	0.2256	0.57	.Q	V	.	.	.	.
5.450	0.2264	0.57	.Q	V	.	.	.	.
5.467	0.2272	0.57	.Q	V	.	.	.	.
5.483	0.2280	0.57	.Q	V	.	.	.	.
5.500	0.2288	0.57	.Q	V	.	.	.	.
5.517	0.2295	0.57	.Q	V	.	.	.	.
5.533	0.2303	0.57	.Q	V	.	.	.	.
5.550	0.2311	0.57	.Q	V	.	.	.	.
5.567	0.2319	0.57	.Q	V	.	.	.	.
5.583	0.2327	0.57	.Q	V	.	.	.	.
5.600	0.2335	0.57	.Q	V	.	.	.	.
5.617	0.2343	0.57	.Q	V	.	.	.	.
5.633	0.2350	0.57	.Q	V	.	.	.	.
5.650	0.2358	0.57	.Q	V	.	.	.	.
5.667	0.2366	0.57	.Q	V	.	.	.	.
5.683	0.2374	0.57	.Q	V	.	.	.	.
5.700	0.2382	0.58	.Q	V	.	.	.	.
5.717	0.2390	0.58	.Q	V	.	.	.	.
5.733	0.2398	0.58	.Q	V	.	.	.	.
5.750	0.2406	0.58	.Q	V	.	.	.	.
5.767	0.2414	0.58	.Q	V	.	.	.	.
5.783	0.2422	0.58	.Q	V	.	.	.	.
5.800	0.2430	0.58	.Q	V	.	.	.	.
5.817	0.2438	0.58	.Q	V	.	.	.	.
5.833	0.2446	0.58	.Q	V	.	.	.	.
5.850	0.2454	0.58	.Q	V	.	.	.	.
5.867	0.2462	0.58	.Q	V	.	.	.	.
5.883	0.2470	0.58	.Q	V	.	.	.	.
5.900	0.2478	0.58	.Q	V	.	.	.	.
5.917	0.2486	0.58	.Q	V	.	.	.	.
5.933	0.2494	0.58	.Q	V	.	.	.	.
5.950	0.2502	0.58	.Q	V	.	.	.	.
5.967	0.2510	0.58	.Q	V	.	.	.	.
5.983	0.2518	0.58	.Q	V	.	.	.	.
6.000	0.2526	0.58	.Q	V	.	.	.	.
6.017	0.2534	0.58	.Q	V	.	.	.	.
6.033	0.2542	0.58	.Q	V	.	.	.	.
6.050	0.2550	0.59	.Q	V	.	.	.	.
6.067	0.2558	0.59	.Q	V	.	.	.	.
6.083	0.2566	0.59	.Q	V	.	.	.	.
6.100	0.2574	0.59	.Q	V	.	.	.	.
6.117	0.2582	0.59	.Q	V	.	.	.	.
6.133	0.2590	0.59	.Q	V	.	.	.	.
6.150	0.2598	0.59	.Q	V	.	.	.	.
6.167	0.2607	0.59	.Q	V	.	.	.	.
6.183	0.2615	0.59	.Q	V	.	.	.	.
6.200	0.2623	0.59	.Q	V	.	.	.	.
6.217	0.2631	0.59	.Q	V	.	.	.	.
6.233	0.2639	0.59	.Q	V	.	.	.	.
6.250	0.2647	0.59	.Q	V	.	.	.	.
6.267	0.2655	0.59	.Q	V	.	.	.	.
6.283	0.2664	0.59	.Q	V	.	.	.	.
6.300	0.2672	0.59	.Q	V	.	.	.	.
6.317	0.2680	0.59	.Q	V	.	.	.	.
6.333	0.2688	0.59	.Q	V	.	.	.	.
6.350	0.2696	0.59	.Q	V	.	.	.	.
6.367	0.2704	0.59	.Q	V	.	.	.	.
6.383	0.2713	0.59	.Q	V	.	.	.	.
6.400	0.2721	0.60	.Q	V	.	.	.	.
6.417	0.2729	0.60	.Q	V	.	.	.	.
6.433	0.2737	0.60	.Q	V	.	.	.	.
6.450	0.2745	0.60	.Q	V	.	.	.	.
6.467	0.2754	0.60	.Q	V	.	.	.	.
6.483	0.2762	0.60	.Q	V	.	.	.	.
6.500	0.2770	0.60	.Q	V	.	.	.	.
6.517	0.2778	0.60	.Q	V	.	.	.	.
6.533	0.2787	0.60	.Q	V	.	.	.	.
6.550	0.2795	0.60	.Q	V	.	.	.	.
6.567	0.2803	0.60	.Q	V	.	.	.	.
6.583	0.2812	0.60	.Q	V	.	.	.	.
6.600	0.2820	0.60	.Q	V	.	.	.	.
6.617	0.2828	0.60	.Q	V	.	.	.	.

6.633	0.2836	0.60	.Q	V	.	.	.	.
6.650	0.2845	0.60	.Q	V	.	.	.	.
6.667	0.2853	0.60	.Q	V	.	.	.	.
6.683	0.2861	0.60	.Q	V	.	.	.	.
6.700	0.2870	0.60	.Q	V	.	.	.	.
6.717	0.2878	0.60	.Q	V	.	.	.	.
6.733	0.2886	0.61	.Q	V	.	.	.	.
6.750	0.2895	0.61	.Q	V	.	.	.	.
6.767	0.2903	0.61	.Q	V	.	.	.	.
6.783	0.2911	0.61	.Q	V	.	.	.	.
6.800	0.2920	0.61	.Q	V	.	.	.	.
6.817	0.2928	0.61	.Q	V	.	.	.	.
6.833	0.2937	0.61	.Q	V	.	.	.	.
6.850	0.2945	0.61	.Q	V	.	.	.	.
6.867	0.2953	0.61	.Q	V	.	.	.	.
6.883	0.2962	0.61	.Q	V	.	.	.	.
6.900	0.2970	0.61	.Q	V	.	.	.	.
6.917	0.2979	0.61	.Q	V	.	.	.	.
6.933	0.2987	0.61	.Q	V	.	.	.	.
6.950	0.2996	0.61	.Q	V	.	.	.	.
6.967	0.3004	0.61	.Q	V	.	.	.	.
6.983	0.3013	0.61	.Q	V	.	.	.	.
7.000	0.3021	0.61	.Q	V	.	.	.	.
7.017	0.3029	0.62	.Q	V	.	.	.	.
7.033	0.3038	0.62	.Q	V	.	.	.	.
7.050	0.3046	0.62	.Q	V	.	.	.	.
7.067	0.3055	0.62	.Q	V	.	.	.	.
7.083	0.3063	0.62	.Q	V	.	.	.	.
7.100	0.3072	0.62	.Q	V	.	.	.	.
7.117	0.3080	0.62	.Q	V	.	.	.	.
7.133	0.3089	0.62	.Q	V	.	.	.	.
7.150	0.3098	0.62	.Q	V	.	.	.	.
7.167	0.3106	0.62	.Q	V	.	.	.	.
7.183	0.3115	0.62	.Q	V	.	.	.	.
7.200	0.3123	0.62	.Q	V	.	.	.	.
7.217	0.3132	0.62	.Q	V	.	.	.	.
7.233	0.3140	0.62	.Q	V	.	.	.	.
7.250	0.3149	0.62	.Q	V	.	.	.	.
7.267	0.3158	0.63	.Q	V	.	.	.	.
7.283	0.3166	0.63	.Q	V	.	.	.	.
7.300	0.3175	0.63	.Q	V	.	.	.	.
7.317	0.3183	0.63	.Q	V	.	.	.	.
7.333	0.3192	0.63	.Q	V	.	.	.	.
7.350	0.3201	0.63	.Q	V	.	.	.	.
7.367	0.3209	0.63	.Q	V	.	.	.	.
7.383	0.3218	0.63	.Q	V	.	.	.	.
7.400	0.3227	0.63	.Q	V	.	.	.	.
7.417	0.3235	0.63	.Q	V	.	.	.	.
7.433	0.3244	0.63	.Q	V	.	.	.	.
7.450	0.3253	0.63	.Q	V	.	.	.	.
7.467	0.3261	0.63	.Q	V	.	.	.	.
7.483	0.3270	0.63	.Q	V	.	.	.	.
7.500	0.3279	0.63	.Q	V	.	.	.	.
7.517	0.3287	0.63	.Q	V	.	.	.	.
7.533	0.3296	0.63	.Q	V	.	.	.	.
7.550	0.3305	0.63	.Q	V	.	.	.	.
7.567	0.3314	0.64	.Q	V	.	.	.	.
7.583	0.3322	0.64	.Q	V	.	.	.	.
7.600	0.3331	0.64	.Q	V	.	.	.	.
7.617	0.3340	0.64	.Q	V	.	.	.	.
7.633	0.3349	0.64	.Q	V	.	.	.	.
7.650	0.3358	0.64	.Q	V	.	.	.	.
7.667	0.3366	0.64	.Q	V	.	.	.	.
7.683	0.3375	0.64	. Q	V	.	.	.	.
7.700	0.3384	0.64	. Q	V	.	.	.	.
7.717	0.3393	0.64	. Q	V	.	.	.	.
7.733	0.3402	0.64	. Q	V	.	.	.	.
7.750	0.3411	0.64	. Q	V	.	.	.	.
7.767	0.3419	0.64	. Q	V	.	.	.	.
7.783	0.3428	0.64	. Q	V	.	.	.	.
7.800	0.3437	0.64	. Q	V	.	.	.	.
7.817	0.3446	0.64	. Q	V	.	.	.	.
7.833	0.3455	0.64	. Q	V	.	.	.	.
7.850	0.3464	0.65	. Q	V	.	.	.	.
7.867	0.3473	0.65	. Q	V	.	.	.	.
7.883	0.3482	0.65	. Q	V	.	.	.	.
7.900	0.3491	0.65	. Q	V	.	.	.	.
7.917	0.3499	0.65	. Q	V	.	.	.	.
7.933	0.3508	0.65	. Q	V	.	.	.	.
7.950	0.3517	0.65	. Q	V	.	.	.	.
7.967	0.3526	0.65	. Q	V	.	.	.	.
7.983	0.3535	0.65	. Q	V	.	.	.	.
8.000	0.3544	0.65	. Q	V	.	.	.	.
8.017	0.3553	0.65	. Q	V	.	.	.	.
8.033	0.3562	0.65	. Q	V	.	.	.	.
8.050	0.3571	0.65	. Q	V	.	.	.	.
8.067	0.3580	0.66	. Q	V	.	.	.	.
8.083	0.3589	0.66	. Q	V	.	.	.	.
8.100	0.3598	0.66	. Q	V	.	.	.	.
8.117	0.3607	0.66	. Q	V	.	.	.	.
8.133	0.3617	0.66	. Q	V	.	.	.	.
8.150	0.3626	0.66	. Q	V	.	.	.	.
8.167	0.3635	0.66	. Q	V	.	.	.	.
8.183	0.3644	0.66	. Q	V	.	.	.	.
8.200	0.3653	0.66	. Q	V	.	.	.	.
8.217	0.3662	0.66	. Q	V	.	.	.	.
8.233	0.3671	0.66	. Q	V	.	.	.	.
8.250	0.3680	0.66	. Q	V	.	.	.	.
8.267	0.3689	0.66	. Q	V	.	.	.	.
8.283	0.3698	0.66	. Q	V	.	.	.	.
8.300	0.3708	0.66	. Q	V	.	.	.	.
8.317	0.3717	0.67	. Q	V	.	.	.	.
8.333	0.3726	0.67	. Q	V	.	.	.	.
8.350	0.3735	0.67	. Q	V	.	.	.	.
8.367	0.3744	0.67	. Q	V	.	.	.	.
8.383	0.3754	0.67	. Q	V	.	.	.	.
8.400	0.3763	0.67	. Q	V	.	.	.	.
8.417	0.3772	0.67	. Q	V	.	.	.	.
8.433	0.3781	0.67	. Q	V	.	.	.	.
8.450	0.3790	0.67	. Q	V	.	.	.	.
8.467	0.3800	0.67	. Q	V	.	.	.	.
8.483	0.3809	0.67	. Q	V	.	.	.	.
8.500	0.3818	0.67	. Q	V	.	.	.	.
8.517	0.3828	0.67	. Q	V	.	.	.	.
8.533	0.3837	0.67	. Q	V	.	.	.	.
8.550	0.3846	0.67	. Q	V	.	.	.	.
8.567	0.3855	0.67	. Q	V	.	.	.	.
8.583	0.3865	0.68	. Q	V	.	.	.	.

8.600	0.3874	0.68	.	Q	V	.	.	.
8.617	0.3883	0.68	.	Q	V	.	.	.
8.633	0.3893	0.68	.	Q	V	.	.	.
8.650	0.3902	0.68	.	Q	V	.	.	.
8.667	0.3911	0.68	.	Q	V	.	.	.
8.683	0.3921	0.68	.	Q	V	.	.	.
8.700	0.3930	0.68	.	Q	V	.	.	.
8.717	0.3940	0.68	.	Q	V	.	.	.
8.733	0.3949	0.69	.	Q	V	.	.	.
8.750	0.3959	0.69	.	Q	V	.	.	.
8.767	0.3968	0.69	.	Q	V	.	.	.
8.783	0.3977	0.69	.	Q	V	.	.	.
8.800	0.3987	0.69	.	Q	V	.	.	.
8.817	0.3996	0.69	.	Q	V	.	.	.
8.833	0.4006	0.69	.	Q	V	.	.	.
8.850	0.4015	0.69	.	Q	V	.	.	.
8.867	0.4025	0.69	.	Q	V	.	.	.
8.883	0.4034	0.69	.	Q	V	.	.	.
8.900	0.4044	0.69	.	Q	V	.	.	.
8.917	0.4053	0.69	.	Q	V	.	.	.
8.933	0.4063	0.69	.	Q	V	.	.	.
8.950	0.4073	0.69	.	Q	V	.	.	.
8.967	0.4082	0.69	.	Q	V	.	.	.
8.983	0.4092	0.70	.	Q	V	.	.	.
9.000	0.4101	0.70	.	Q	V	.	.	.
9.017	0.4111	0.70	.	Q	V	.	.	.
9.033	0.4120	0.70	.	Q	V	.	.	.
9.050	0.4130	0.70	.	Q	V	.	.	.
9.067	0.4140	0.70	.	Q	V	.	.	.
9.083	0.4149	0.70	.	Q	V	.	.	.
9.100	0.4159	0.70	.	Q	V	.	.	.
9.117	0.4169	0.70	.	Q	V	.	.	.
9.133	0.4179	0.70	.	Q	V	.	.	.
9.150	0.4188	0.71	.	Q	V	.	.	.
9.167	0.4198	0.71	.	Q	V	.	.	.
9.183	0.4208	0.71	.	Q	V	.	.	.
9.200	0.4217	0.71	.	Q	V	.	.	.
9.217	0.4227	0.71	.	Q	V	.	.	.
9.233	0.4237	0.71	.	Q	V	.	.	.
9.250	0.4247	0.71	.	Q	V	.	.	.
9.267	0.4256	0.71	.	Q	V	.	.	.
9.283	0.4266	0.71	.	Q	V	.	.	.
9.300	0.4276	0.71	.	Q	V	.	.	.
9.317	0.4286	0.71	.	Q	V	.	.	.
9.333	0.4296	0.71	.	Q	V	.	.	.
9.350	0.4305	0.71	.	Q	V	.	.	.
9.367	0.4315	0.71	.	Q	V	.	.	.
9.383	0.4325	0.72	.	Q	V	.	.	.
9.400	0.4335	0.72	.	Q	V	.	.	.
9.417	0.4345	0.72	.	Q	V.	.	.	.
9.433	0.4355	0.72	.	Q	V.	.	.	.
9.450	0.4365	0.72	.	Q	V.	.	.	.
9.467	0.4375	0.72	.	Q	V.	.	.	.
9.483	0.4385	0.72	.	Q	V.	.	.	.
9.500	0.4395	0.72	.	Q	V.	.	.	.
9.517	0.4405	0.72	.	Q	V.	.	.	.
9.533	0.4415	0.73	.	Q	V.	.	.	.
9.550	0.4425	0.73	.	Q	V.	.	.	.
9.567	0.4435	0.73	.	Q	V.	.	.	.
9.583	0.4445	0.73	.	Q	V.	.	.	.
9.600	0.4455	0.73	.	Q	V.	.	.	.
9.617	0.4465	0.73	.	Q	V.	.	.	.
9.633	0.4475	0.73	.	Q	V.	.	.	.
9.650	0.4485	0.73	.	Q	V.	.	.	.
9.667	0.4495	0.73	.	Q	V.	.	.	.
9.683	0.4505	0.73	.	Q	V.	.	.	.
9.700	0.4515	0.73	.	Q	V.	.	.	.
9.717	0.4525	0.73	.	Q	V.	.	.	.
9.733	0.4535	0.74	.	Q	V.	.	.	.
9.750	0.4545	0.74	.	Q	V.	.	.	.
9.767	0.4556	0.74	.	Q	V.	.	.	.
9.783	0.4566	0.74	.	Q	V.	.	.	.
9.800	0.4576	0.74	.	Q	V.	.	.	.
9.817	0.4586	0.74	.	Q	V.	.	.	.
9.833	0.4596	0.74	.	Q	V.	.	.	.
9.850	0.4607	0.74	.	Q	V.	.	.	.
9.867	0.4617	0.75	.	Q	V.	.	.	.
9.883	0.4627	0.75	.	Q	V.	.	.	.
9.900	0.4637	0.75	.	Q	V.	.	.	.
9.917	0.4648	0.75	.	Q	V.	.	.	.
9.933	0.4658	0.75	.	Q	V.	.	.	.
9.950	0.4668	0.75	.	Q	V.	.	.	.
9.967	0.4679	0.75	.	Q	V.	.	.	.
9.983	0.4689	0.75	.	Q	V.	.	.	.
10.000	0.4699	0.75	.	Q	V.	.	.	.
10.017	0.4710	0.75	.	Q	V.	.	.	.
10.033	0.4720	0.75	.	Q	V.	.	.	.
10.050	0.4730	0.75	.	Q	V.	.	.	.
10.067	0.4741	0.75	.	Q	V.	.	.	.
10.083	0.4751	0.76	.	Q	V.	.	.	.
10.100	0.4762	0.76	.	Q	V.	.	.	.
10.117	0.4772	0.76	.	Q	V.	.	.	.
10.133	0.4783	0.76	.	Q	V.	.	.	.
10.150	0.4793	0.76	.	Q	V.	.	.	.
10.167	0.4804	0.76	.	Q	V.	.	.	.
10.183	0.4814	0.76	.	Q	V.	.	.	.
10.200	0.4825	0.77	.	Q	V	.	.	.
10.217	0.4835	0.77	.	Q	V	.	.	.
10.233	0.4846	0.77	.	Q	V	.	.	.
10.250	0.4856	0.77	.	Q	V	.	.	.
10.267	0.4867	0.77	.	Q	V	.	.	.
10.283	0.4878	0.77	.	Q	V	.	.	.
10.300	0.4888	0.77	.	Q	V	.	.	.
10.317	0.4899	0.77	.	Q	V	.	.	.
10.333	0.4910	0.77	.	Q	V	.	.	.
10.350	0.4920	0.77	.	Q	V	.	.	.
10.367	0.4931	0.77	.	Q	V	.	.	.
10.383	0.4942	0.78	.	Q	V	.	.	.
10.400	0.4952	0.78	.	Q	V	.	.	.
10.417	0.4963	0.78	.	Q	V	.	.	.
10.433	0.4974	0.78	.	Q	V	.	.	.
10.450	0.4984	0.78	.	Q	V	.	.	.
10.467	0.4995	0.78	.	Q	V	.	.	.
10.483	0.5006	0.78	.	Q	V	.	.	.
10.500	0.5017	0.78	.	Q	V	.	.	.
10.517	0.5028	0.79	.	Q	V	.	.	.
10.533	0.5038	0.79	.	Q	V	.	.	.
10.550	0.5049	0.79	.	Q	V	.	.	.

10.567	0.5060	0.79	. Q	V	.	.	.
10.583	0.5071	0.79	. Q	V	.	.	.
10.600	0.5082	0.79	. Q	V	.	.	.
10.617	0.5093	0.79	. Q	V	.	.	.
10.633	0.5104	0.80	. Q	V	.	.	.
10.650	0.5115	0.80	. Q	V	.	.	.
10.667	0.5126	0.80	. Q	V	.	.	.
10.683	0.5137	0.80	. Q	V	.	.	.
10.700	0.5148	0.80	. Q	V	.	.	.
10.717	0.5159	0.80	. Q	V	.	.	.
10.733	0.5170	0.80	. Q	V	.	.	.
10.750	0.5181	0.80	. Q	V	.	.	.
10.767	0.5192	0.80	. Q	V	.	.	.
10.783	0.5203	0.80	. Q	V	.	.	.
10.800	0.5214	0.80	. Q	V	.	.	.
10.817	0.5225	0.81	. Q	V	.	.	.
10.833	0.5236	0.81	. Q	V	.	.	.
10.850	0.5247	0.81	. Q	V	.	.	.
10.867	0.5259	0.81	. Q	V	.	.	.
10.883	0.5270	0.81	. Q	V	.	.	.
10.900	0.5281	0.81	. Q	V	.	.	.
10.917	0.5292	0.82	. Q	V	.	.	.
10.933	0.5304	0.82	. Q	.V	.	.	.
10.950	0.5315	0.82	. Q	.V	.	.	.
10.967	0.5326	0.82	. Q	.V	.	.	.
10.983	0.5338	0.82	. Q	.V	.	.	.
11.000	0.5349	0.82	. Q	.V	.	.	.
11.017	0.5360	0.82	. Q	.V	.	.	.
11.033	0.5372	0.83	. Q	.V	.	.	.
11.050	0.5383	0.83	. Q	.V	.	.	.
11.067	0.5394	0.83	. Q	.V	.	.	.
11.083	0.5406	0.83	. Q	.V	.	.	.
11.100	0.5417	0.83	. Q	.V	.	.	.
11.117	0.5429	0.83	. Q	.V	.	.	.
11.133	0.5440	0.83	. Q	.V	.	.	.
11.150	0.5452	0.83	. Q	.V	.	.	.
11.167	0.5463	0.83	. Q	.V	.	.	.
11.183	0.5475	0.84	. Q	.V	.	.	.
11.200	0.5486	0.84	. Q	.V	.	.	.
11.217	0.5498	0.84	. Q	.V	.	.	.
11.233	0.5509	0.84	. Q	.V	.	.	.
11.250	0.5521	0.84	. Q	.V	.	.	.
11.267	0.5533	0.84	. Q	.V	.	.	.
11.283	0.5544	0.85	. Q	.V	.	.	.
11.300	0.5556	0.85	. Q	.V	.	.	.
11.317	0.5568	0.85	. Q	.V	.	.	.
11.333	0.5579	0.85	. Q	.V	.	.	.
11.350	0.5591	0.85	. Q	.V	.	.	.
11.367	0.5603	0.86	. Q	.V	.	.	.
11.383	0.5615	0.86	. Q	.V	.	.	.
11.400	0.5627	0.86	. Q	.V	.	.	.
11.417	0.5638	0.86	. Q	.V	.	.	.
11.433	0.5650	0.86	. Q	.V	.	.	.
11.450	0.5662	0.86	. Q	.V	.	.	.
11.467	0.5674	0.86	. Q	.V	.	.	.
11.483	0.5686	0.86	. Q	.V	.	.	.
11.500	0.5698	0.86	. Q	.V	.	.	.
11.517	0.5710	0.86	. Q	.V	.	.	.
11.533	0.5722	0.87	. Q	.V	.	.	.
11.550	0.5733	0.87	. Q	.V	.	.	.
11.567	0.5745	0.87	. Q	.V	.	.	.
11.583	0.5757	0.87	. Q	.V	.	.	.
11.600	0.5770	0.87	. Q	.V	.	.	.
11.617	0.5782	0.88	. Q	.V	.	.	.
11.633	0.5794	0.88	. Q	. V	.	.	.
11.650	0.5806	0.88	. Q	. V	.	.	.
11.667	0.5818	0.88	. Q	. V	.	.	.
11.683	0.5830	0.89	. Q	. V	.	.	.
11.700	0.5842	0.89	. Q	. V	.	.	.
11.717	0.5855	0.89	. Q	. V	.	.	.
11.733	0.5867	0.89	. Q	. V	.	.	.
11.750	0.5879	0.89	. Q	. V	.	.	.
11.767	0.5892	0.89	. Q	. V	.	.	.
11.783	0.5904	0.89	. Q	. V	.	.	.
11.800	0.5916	0.90	. Q	. V	.	.	.
11.817	0.5929	0.90	. Q	. V	.	.	.
11.833	0.5941	0.90	. Q	. V	.	.	.
11.850	0.5953	0.90	. Q	. V	.	.	.
11.867	0.5966	0.90	. Q	. V	.	.	.
11.883	0.5978	0.90	. Q	. V	.	.	.
11.900	0.5991	0.90	. Q	. V	.	.	.
11.917	0.6003	0.90	. Q	. V	.	.	.
11.933	0.6016	0.91	. Q	. V	.	.	.
11.950	0.6028	0.91	. Q	. V	.	.	.
11.967	0.6041	0.91	. Q	. V	.	.	.
11.983	0.6053	0.91	. Q	. V	.	.	.
12.000	0.6066	0.91	. Q	. V	.	.	.
12.017	0.6078	0.92	. Q	. V	.	.	.
12.033	0.6091	0.92	. Q	. V	.	.	.
12.050	0.6104	0.92	. Q	. V	.	.	.
12.067	0.6116	0.92	. Q	. V	.	.	.
12.083	0.6129	0.92	. Q	. V	.	.	.
12.100	0.6142	0.92	. Q	. V	.	.	.
12.117	0.6154	0.92	. Q	. V	.	.	.
12.133	0.6167	0.92	. Q	. V	.	.	.
12.150	0.6180	0.92	. Q	. V	.	.	.
12.167	0.6192	0.92	. Q	. V	.	.	.
12.183	0.6205	0.92	. Q	. V	.	.	.
12.200	0.6218	0.92	. Q	. V	.	.	.
12.217	0.6230	0.91	. Q	. V	.	.	.
12.233	0.6243	0.91	. Q	. V	.	.	.
12.250	0.6255	0.91	. Q	. V	.	.	.
12.267	0.6268	0.91	. Q	. V	.	.	.
12.283	0.6280	0.91	. Q	. V	.	.	.
12.300	0.6293	0.91	. Q	. V	.	.	.
12.317	0.6306	0.92	. Q	. V	.	.	.
12.333	0.6318	0.92	. Q	. V	.	.	.
12.350	0.6331	0.92	. Q	. V	.	.	.
12.367	0.6344	0.92	. Q	. V	.	.	.
12.383	0.6357	0.93	. Q	. V	.	.	.
12.400	0.6369	0.93	. Q	. V	.	.	.
12.417	0.6382	0.93	. Q	. V	.	.	.
12.433	0.6395	0.94	. Q	. V	.	.	.
12.450	0.6408	0.94	. Q	. V	.	.	.
12.467	0.6421	0.94	. Q	. V	.	.	.
12.483	0.6434	0.94	. Q	. V	.	.	.
12.500	0.6447	0.94	. Q	. V	.	.	.
12.517	0.6460	0.95	. Q	. V	.	.	.

12.533	0.6473	0.95	.	Q	.	V	.	.	.
12.550	0.6486	0.95	.	Q	.	V	.	.	.
12.567	0.6499	0.95	.	Q	.	V	.	.	.
12.583	0.6512	0.95	.	Q	.	V	.	.	.
12.600	0.6525	0.95	.	Q	.	V	.	.	.
12.617	0.6539	0.96	.	Q	.	V	.	.	.
12.633	0.6552	0.96	.	Q	.	V	.	.	.
12.650	0.6565	0.96	.	Q	.	V	.	.	.
12.667	0.6578	0.96	.	Q	.	V	.	.	.
12.683	0.6592	0.96	.	Q	.	V	.	.	.
12.700	0.6605	0.97	.	Q	.	V	.	.	.
12.717	0.6618	0.97	.	Q	.	V	.	.	.
12.733	0.6632	0.97	.	Q	.	V	.	.	.
12.750	0.6645	0.98	.	Q	.	V	.	.	.
12.767	0.6659	0.98	.	Q	.	V	.	.	.
12.783	0.6672	0.98	.	Q	.	V	.	.	.
12.800	0.6686	0.99	.	Q	.	V	.	.	.
12.817	0.6700	0.99	.	Q	.	V	.	.	.
12.833	0.6713	0.99	.	Q	.	V	.	.	.
12.850	0.6727	1.00	.	Q	.	V	.	.	.
12.867	0.6741	1.00	.	Q	.	V	.	.	.
12.883	0.6754	1.00	.	Q	.	V	.	.	.
12.900	0.6768	1.00	.	Q	.	V	.	.	.
12.917	0.6782	1.00	.	Q	.	V	.	.	.
12.933	0.6796	1.01	.	Q	.	V	.	.	.
12.950	0.6810	1.01	.	Q	.	V	.	.	.
12.967	0.6824	1.01	.	Q	.	V	.	.	.
12.983	0.6838	1.01	.	Q	.	V	.	.	.
13.000	0.6852	1.01	.	Q	.	V	.	.	.
13.017	0.6866	1.02	.	Q	.	V	.	.	.
13.033	0.6880	1.02	.	Q	.	V	.	.	.
13.050	0.6894	1.02	.	Q	.	V	.	.	.
13.067	0.6908	1.03	.	Q	.	V	.	.	.
13.083	0.6922	1.03	.	Q	.	V	.	.	.
13.100	0.6936	1.03	.	Q	.	V	.	.	.
13.117	0.6951	1.04	.	Q	.	V	.	.	.
13.133	0.6965	1.04	.	Q	.	V	.	.	.
13.150	0.6979	1.05	.	Q	.	V	.	.	.
13.167	0.6994	1.05	.	Q	.	V	.	.	.
13.183	0.7008	1.05	.	Q	.	V	.	.	.
13.200	0.7023	1.06	.	Q	.	V	.	.	.
13.217	0.7038	1.06	.	Q	.	V	.	.	.
13.233	0.7052	1.06	.	Q	.	V	.	.	.
13.250	0.7067	1.07	.	Q	.	V	.	.	.
13.267	0.7082	1.07	.	Q	.	V	.	.	.
13.283	0.7096	1.07	.	Q	.	V	.	.	.
13.300	0.7111	1.07	.	Q	.	V	.	.	.
13.317	0.7126	1.07	.	Q	.	V	.	.	.
13.333	0.7141	1.08	.	Q	.	V	.	.	.
13.350	0.7156	1.08	.	Q	.	V	.	.	.
13.367	0.7171	1.08	.	Q	.	V	.	.	.
13.383	0.7185	1.08	.	Q	.	V	.	.	.
13.400	0.7200	1.09	.	Q	.	V	.	.	.
13.417	0.7215	1.09	.	Q	.	V	.	.	.
13.433	0.7231	1.10	.	Q	.	V	.	.	.
13.450	0.7246	1.10	.	Q	.	V	.	.	.
13.467	0.7261	1.11	.	Q	.	V	.	.	.
13.483	0.7276	1.11	.	Q	.	V	.	.	.
13.500	0.7292	1.11	.	Q	.	V	.	.	.

13.517	0.7307	1.12	.	Q	.	V	.	.	.
13.533	0.7322	1.12	.	Q	.	V	.	.	.
13.550	0.7338	1.13	.	Q	.	V	.	.	.
13.567	0.7354	1.13	.	Q	.	V	.	.	.
13.583	0.7369	1.14	.	Q	.	V	.	.	.
13.600	0.7385	1.14	.	Q	.	V	.	.	.
13.617	0.7401	1.15	.	Q	.	V	.	.	.
13.633	0.7417	1.15	.	Q	.	V	.	.	.
13.650	0.7432	1.15	.	Q	.	V	.	.	.
13.667	0.7448	1.15	.	Q	.	V	.	.	.
13.683	0.7464	1.16	.	Q	.	V	.	.	.
13.700	0.7480	1.16	.	Q	.	V	.	.	.
13.717	0.7496	1.16	.	Q	.	V	.	.	.
13.733	0.7512	1.16	.	Q	.	V	.	.	.
13.750	0.7528	1.17	.	Q	.	V	.	.	.
13.767	0.7544	1.17	.	Q	.	V	.	.	.
13.783	0.7561	1.17	.	Q	.	V	.	.	.
13.800	0.7577	1.18	.	Q	.	V	.	.	.
13.817	0.7593	1.19	.	Q	.	V	.	.	.
13.833	0.7610	1.19	.	Q	.	V	.	.	.
13.850	0.7626	1.20	.	Q	.	V	.	.	.
13.867	0.7643	1.21	.	Q	.	V	.	.	.
13.883	0.7659	1.21	.	Q	.	V	.	.	.
13.900	0.7676	1.22	.	Q	.	V	.	.	.
13.917	0.7693	1.22	.	Q	.	V	.	.	.
13.933	0.7710	1.23	.	Q	.	V	.	.	.
13.950	0.7727	1.24	.	Q	.	V	.	.	.
13.967	0.7744	1.24	.	Q	.	V	.	.	.
13.983	0.7761	1.24	.	Q	.	V	.	.	.
14.000	0.7778	1.25	.	Q	.	V	.	.	.
14.017	0.7796	1.25	.	Q	.	V	.	.	.
14.033	0.7813	1.25	.	Q	.	V	.	.	.
14.050	0.7830	1.25	.	Q	.	V	.	.	.
14.067	0.7847	1.26	.	Q	.	V	.	.	.
14.083	0.7865	1.26	.	Q	.	V	.	.	.
14.100	0.7882	1.26	.	Q	.	V	.	.	.
14.117	0.7900	1.26	.	Q	.	V	.	.	.
14.133	0.7917	1.27	.	Q	.	V	.	.	.
14.150	0.7934	1.27	.	Q	.	V	.	.	.
14.167	0.7952	1.27	.	Q	.	V	.	.	.
14.183	0.7969	1.27	.	Q	.	V	.	.	.
14.200	0.7987	1.27	.	Q	.	V	.	.	.
14.217	0.8005	1.27	.	Q	.	V	.	.	.
14.233	0.8022	1.27	.	Q	.	V	.	.	.
14.250	0.8040	1.27	.	Q	.	V	.	.	.
14.267	0.8057	1.28	.	Q	.	V	.	.	.
14.283	0.8075	1.28	.	Q	.	V	.	.	.
14.300	0.8092	1.28	.	Q	.	V	.	.	.
14.317	0.8110	1.28	.	Q	.	V	.	.	.
14.333	0.8128	1.28	.	Q	.	V	.	.	.
14.350	0.8145	1.28	.	Q	.	V	.	.	.
14.367	0.8163	1.29	.	Q	.	V	.	.	.
14.383	0.8181	1.29	.	Q	.	V	.	.	.
14.400	0.8199	1.30	.	Q	.	V	.	.	.
14.417	0.8217	1.30	.	Q	.	V	.	.	.
14.433	0.8235	1.31	.	Q	.	V	.	.	.
14.450	0.8253	1.31	.	Q	.	V	.	.	.
14.467	0.8271	1.32	.	Q	.	V	.	.	.
14.483	0.8289	1.32	.	Q	.	V	.	.	.

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14.500      0.8307      1.33  .   Q     .      V  .         .         .
14.517      0.8326      1.33  .   Q     .      V  .         .         .
14.533      0.8344      1.34  .   Q     .      V  .         .         .
14.550      0.8363      1.35  .   Q     .      V  .         .         .
14.567      0.8382      1.36  .   Q     .      V  .         .         .
14.583      0.8401      1.37  .   Q     .      V  .         .         .
14.600      0.8420      1.39  .   Q     .      V  .         .         .
14.617      0.8439      1.40  .   Q     .      V  .         .         .
14.633      0.8458      1.41  .   Q     .      V  .         .         .
14.650      0.8478      1.42  .   Q     .      V  .         .         .
14.667      0.8498      1.43  .   Q     .      V  .         .         .
14.683      0.8517      1.44  .   Q     .      V  .         .         .
14.700      0.8537      1.45  .   Q     .      V  .         .         .
14.717      0.8557      1.46  .   Q     .      V  .         .         .
14.733      0.8578      1.47  .   Q     .      V  .         .         .
14.750      0.8598      1.47  .   Q     .      V  .         .         .
14.767      0.8618      1.48  .   Q     .      V  .         .         .
14.783      0.8639      1.49  .   Q     .      V  .         .         .
14.800      0.8659      1.49  .   Q     .      V  .         .         .
14.817      0.8680      1.50  .   Q     .       V .         .         .
14.833      0.8701      1.51  .   Q     .       V .         .         .
14.850      0.8722      1.51  .   Q     .       V .         .         .
14.867      0.8743      1.52  .   Q     .       V .         .         .
14.883      0.8764      1.53  .   Q     .       V .         .         .
14.900      0.8785      1.54  .   Q     .       V .         .         .
14.917      0.8807      1.56  .   Q     .       V .         .         .
14.933      0.8828      1.58  .   Q     .       V .         .         .
14.950      0.8850      1.59  .   Q     .       V .         .         .
14.967      0.8872      1.61  .    Q    .       V .         .         .
14.983      0.8895      1.63  .    Q    .       V .         .         .
15.000      0.8917      1.64  .    Q    .       V .         .         .
15.017      0.8940      1.66  .    Q    .       V .         .         .
15.033      0.8963      1.68  .    Q    .       V .         .         .
15.050      0.8987      1.70  .    Q    .       V .         .         .
15.067      0.9010      1.71  .    Q    .       V .         .         .
15.083      0.9034      1.73  .    Q    .       V .         .         .
15.100      0.9058      1.74  .    Q    .       V .         .         .
15.117      0.9082      1.75  .    Q    .       V .         .         .
15.133      0.9106      1.76  .    Q    .       V .         .         .
15.150      0.9131      1.77  .    Q    .       V .         .         .
15.167      0.9155      1.78  .    Q    .        V.         .         .
15.183      0.9180      1.79  .    Q    .        V.         .         .
15.200      0.9205      1.81  .    Q    .        V.         .         .
15.217      0.9230      1.82  .    Q    .        V.         .         .
15.233      0.9255      1.83  .    Q    .        V.         .         .
15.250      0.9281      1.84  .    Q    .        V.         .         .
15.267      0.9306      1.86  .    Q    .        V.         .         .
15.283      0.9333      1.92  .     Q   .        V.         .         .
15.300      0.9360      1.98  .     Q   .        V.         .         .
15.317      0.9388      2.04  .     Q   .        V.         .         .
15.333      0.9417      2.11  .     Q   .        V.         .         .
15.350      0.9447      2.17  .     Q   .        V.         .         .
15.367      0.9478      2.23  .     Q   .        V.         .         .
15.383      0.9509      2.29  .      Q  .        V.         .         .
15.400      0.9542      2.35  .      Q  .        V.         .         .
15.417      0.9575      2.41  .      Q  .        V.         .         .
15.433      0.9609      2.47  .      Q  .        V.         .         .
15.450      0.9644      2.54  .      Q  .         V         .         .
15.467      0.9680      2.62  .       Q .         V         .         .
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15.483      0.9717      2.70  .       Q .         V         .         .
15.500      0.9756      2.79  .       Q .         V         .         .
15.517      0.9795      2.87  .       Q .         V         .         .
15.533      0.9836      2.95  .        Q.         V         .         .
15.550      0.9878      3.04  .        Q.         V         .         .
15.567      0.9921      3.12  .        Q.         V         .         .
15.583      0.9965      3.20  .         Q         V         .         .
15.600      1.0010      3.29  .         Q         V         .         .
15.617      1.0056      3.37  .         Q         V         .         .
15.633      1.0104      3.45  .         Q         V         .         .
15.650      1.0153      3.53  .        .Q        .V         .         .
15.667      1.0202      3.60  .        .Q        .V         .         .
15.683      1.0253      3.67  .        .Q        .V         .         .
15.700      1.0304      3.74  .        .Q        .V         .         .
15.717      1.0357      3.82  .        .Q        .V         .         .
15.733      1.0410      3.89  .        . Q       .V         .         .
15.750      1.0465      3.96  .        . Q       .V         .         .
15.767      1.0521      4.03  .        . Q       .V         .         .
15.783      1.0577      4.10  .        . Q       .V         .         .
15.800      1.0635      4.18  .        .  Q      . V        .         .
15.817      1.0693      4.25  .        .  Q      . V        .         .
15.833      1.0753      4.34  .        .  Q      . V        .         .
15.850      1.0814      4.45  .        .  Q      . V        .         .
15.867      1.0877      4.56  .        .   Q     . V        .         .
15.883      1.0941      4.67  .        .   Q     . V        .         .
15.900      1.1007      4.77  .        .   Q     . V        .         .
15.917      1.1074      4.88  .        .    Q    . V        .         .
15.933      1.1143      4.99  .        .    Q    .  V       .         .
15.950      1.1213      5.10  .        .    Q    .  V       .         .
15.967      1.1285      5.20  .        .     Q   .  V       .         .
15.983      1.1358      5.31  .        .     Q   .  V       .         .
16.000      1.1433      5.42  .        .     Q   .  V       .         .
16.017      1.1513      5.80  .        .       Q .  V       .         .
16.033      1.1602      6.46  .        .        Q   V       .         .
16.050      1.1700      7.11  .        .         . Q V      .         .
16.067      1.1807      7.77  .        .         .  Q       .         .
16.083      1.1923      8.42  .        .         .  V Q     .         .
16.100      1.2048      9.08  .        .         .   V  Q .           .
16.117      1.2182      9.73  .        .         .   V    Q          .
16.133      1.2325     10.39  .        .         .   V    . Q        .
16.150      1.2477     11.04  .        .         .   V    .  Q       .
16.167      1.2638     11.70  .        .         .    V   .    Q     .
16.183      1.2808     12.35  .        .         .    V   .      Q . .
16.200      1.2984     12.80  .        .         .    V   .       Q
16.217      1.3146     11.75  .        .         .     V  .    Q    .
16.233      1.3297     10.96  .        .         .     V  .  Q      .
16.250      1.3437     10.17  .        .         .     V  .Q        .
16.267      1.3566      9.37  .        .         .      VQ.         .
16.283      1.3684      8.58  .        .         .    Q V .         .
16.300      1.3792      7.79  .        .         .  Q   V .         .
16.317      1.3888      6.99  .        .        .Q    V .          .
16.333      1.3974      6.20  .        .       Q.      V.          .
16.350      1.4048      5.41  .        .    Q  .       V.          .
16.367      1.4112      4.62  .        .  Q    .       V.          .
16.383      1.4166      3.95  .        . Q     .       V.          .
16.400      1.4217      3.74  .        .Q      .       V.          .
16.417      1.4267      3.56  .        .Q      .       V.          .
16.433      1.4313      3.39  .        Q       .       V.          .
16.450      1.4358      3.22  .        Q       .       V.          .
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16.467	1.4400	3.05	.	Q.	.	V.	.		
16.483	1.4439	2.87	.	Q	.	V.	.		
16.500	1.4476	2.70	.	Q	.	V	.		
16.517	1.4511	2.53	.	Q	.	V	.		
16.533	1.4544	2.35	.	Q	.	V	.		
16.550	1.4574	2.18	.	Q	.	V	.		
16.567	1.4602	2.02	.	Q	.	V	.		
16.583	1.4629	1.97	.	Q	.	V	.		
16.600	1.4655	1.93	.	Q	.	V	.		
16.617	1.4681	1.90	.	Q	.	V	.		
16.633	1.4707	1.87	.	Q	.	V	.		
16.650	1.4732	1.83	.	Q	.	V	.		
16.667	1.4757	1.80	.	Q	.	V	.		
16.683	1.4781	1.76	.	Q	.	V	.		
16.700	1.4805	1.73	.	Q	.	V	.		
16.717	1.4829	1.70	.	Q	.	V	.		
16.733	1.4852	1.66	.	Q	.	V	.		
16.750	1.4874	1.63	.	Q	.	V	.		
16.767	1.4896	1.60	.	Q	.	V	.		
16.783	1.4918	1.58	.	Q	.	V	.		
16.800	1.4939	1.56	.	Q	.	.V	.		
16.817	1.4961	1.54	.	Q	.	.V	.		
16.833	1.4982	1.52	.	Q	.	.V	.		
16.850	1.5002	1.50	.	Q	.	.V	.		
16.867	1.5023	1.48	.	Q	.	.V	.		
16.883	1.5043	1.46	.	Q	.	.V	.		
16.900	1.5062	1.44	.	Q	.	.V	.		
16.917	1.5082	1.42	.	Q	.	.V	.		
16.933	1.5101	1.40	.	Q	.	.V	.		
16.950	1.5120	1.38	.	Q	.	.V	.		
16.967	1.5139	1.37	.	Q	.	.V	.		
16.983	1.5158	1.35	.	Q	.	.V	.		
17.000	1.5176	1.34	.	Q	.	.V	.		
17.017	1.5194	1.32	.	Q	.	.V	.		
17.033	1.5212	1.31	.	Q	.	.V	.		
17.050	1.5230	1.30	.	Q	.	.V	.		
17.067	1.5248	1.28	.	Q	.	.V	.		
17.083	1.5265	1.27	.	Q	.	.V	.		
17.100	1.5283	1.25	.	Q	.	.V	.		
17.117	1.5300	1.24	.	Q	.	.V	.		
17.133	1.5317	1.23	.	Q	.	.V	.		
17.150	1.5334	1.23	.	Q	.	.V	.		
17.167	1.5351	1.23	.	Q	.	.V	.		
17.183	1.5367	1.22	.	Q	.	.V	.		
17.200	1.5384	1.22	.	Q	.	.V	.		
17.217	1.5401	1.22	.	Q	.	.V	.		
17.233	1.5418	1.22	.	Q	.	.V	.		
17.250	1.5434	1.21	.	Q	.	. V	.		
17.267	1.5451	1.21	.	Q	.	. V	.		
17.283	1.5468	1.21	.	Q	.	. V	.		
17.300	1.5484	1.21	.	Q	.	. V	.		
17.317	1.5501	1.20	.	Q	.	. V	.		
17.333	1.5517	1.19	.	Q	.	. V	.		
17.350	1.5534	1.18	.	Q	.	. V	.		
17.367	1.5550	1.18	.	Q	.	. V	.		
17.383	1.5566	1.17	.	Q	.	. V	.		
17.400	1.5582	1.16	.	Q	.	. V	.		
17.417	1.5598	1.15	.	Q	.	. V	.		
17.433	1.5614	1.14	.	Q	.	. V	.		
17.450	1.5629	1.14	.	Q	.	.	. V	.	
17.467	1.5645	1.13	.	Q	.	.	. V	.	
17.483	1.5660	1.12	.	Q	.	.	. V	.	
17.500	1.5676	1.11	.	Q	.	.	. V	.	
17.517	1.5691	1.10	.	Q	.	.	. V	.	
17.533	1.5706	1.10	.	Q	.	.	. V	.	
17.550	1.5721	1.09	.	Q	.	.	. V	.	
17.567	1.5736	1.09	.	Q	.	.	. V	.	
17.583	1.5751	1.08	.	Q	.	.	. V	.	
17.600	1.5765	1.07	.	Q	.	.	. V	.	
17.617	1.5780	1.07	.	Q	.	.	. V	.	
17.633	1.5795	1.06	.	Q	.	.	. V	.	
17.650	1.5809	1.05	.	Q	.	.	. V	.	
17.667	1.5824	1.05	.	Q	.	.	. V	.	
17.683	1.5838	1.04	.	Q	.	.	. V	.	
17.700	1.5852	1.03	.	Q	.	.	. V	.	
17.717	1.5866	1.03	.	Q	.	.	. V	.	
17.733	1.5880	1.02	.	Q	.	.	. V	.	
17.750	1.5894	1.02	.	Q	.	.	. V	.	
17.767	1.5908	1.01	.	Q	.	.	. V	.	
17.783	1.5922	1.01	.	Q	.	.	. V	.	
17.800	1.5936	1.00	.	Q	.	.	. V	.	
17.817	1.5950	1.00	.	Q	.	.	. V	.	
17.833	1.5963	0.99	.	Q	.	.	. V	.	
17.850	1.5977	0.98	.	Q	.	.	. V	.	
17.867	1.5990	0.98	.	Q	.	.	. V	.	
17.883	1.6004	0.97	.	Q	.	.	. V	.	
17.900	1.6017	0.97	.	Q	.	.	. V	.	
17.917	1.6030	0.96	.	Q	.	.	. V	.	
17.933	1.6044	0.96	.	Q	.	.	. V	.	
17.950	1.6057	0.96	.	Q	.	.	. V	.	
17.967	1.6070	0.95	.	Q	.	.	. V	.	
17.983	1.6083	0.95	.	Q	.	.	. V	.	
18.000	1.6096	0.94	.	Q	.	.	. V	.	
18.017	1.6109	0.94	.	Q	.	.	. V	.	
18.033	1.6122	0.93	.	Q	.	.	. V	.	
18.050	1.6134	0.93	.	Q	.	.	. V	.	
18.067	1.6147	0.92	.	Q	.	.	. V	.	
18.083	1.6160	0.92	.	Q	.	.	. V	.	
18.100	1.6173	0.92	.	Q	.	.	. V	.	
18.117	1.6185	0.92	.	Q	.	.	. V	.	
18.133	1.6198	0.92	.	Q	.	.	. V	.	
18.150	1.6211	0.92	.	Q	.	.	. V	.	
18.167	1.6223	0.92	.	Q	.	.	. V	.	
18.183	1.6236	0.92	.	Q	.	.	. V	.	
18.200	1.6249	0.92	.	Q	.	.	. V	.	
18.217	1.6261	0.92	.	Q	.	.	. V	.	
18.233	1.6274	0.92	.	Q	.	.	. V	.	
18.250	1.6287	0.92	.	Q	.	.	. V	.	
18.267	1.6299	0.91	.	Q	.	.	. V	.	
18.283	1.6312	0.91	.	Q	.	.	. V	.	
18.300	1.6324	0.91	.	Q	.	.	. V	.	
18.317	1.6337	0.90	.	Q	.	.	. V	.	
18.333	1.6349	0.90	.	Q	.	.	. V	.	
18.350	1.6361	0.89	.	Q	.	.	. V	.	
18.367	1.6374	0.89	.	Q	.	.	. V	.	
18.383	1.6386	0.89	.	Q	.	.	.	V	.
18.400	1.6398	0.88	.	Q	.	.	.	V	.
18.417	1.6410	0.88	.	Q	.	.	.	V	.

18.433	1.6422	0.88	.	Q	.	.	.	V	.
18.450	1.6434	0.87	.	Q	.	.	.	V	.
18.467	1.6446	0.87	.	Q	.	.	.	V	.
18.483	1.6458	0.87	.	Q	.	.	.	V	.
18.500	1.6470	0.87	.	Q	.	.	.	V	.
18.517	1.6482	0.86	.	Q	.	.	.	V	.
18.533	1.6494	0.86	.	Q	.	.	.	V	.
18.550	1.6506	0.86	.	Q	.	.	.	V	.
18.567	1.6517	0.85	.	Q	.	.	.	V	.
18.583	1.6529	0.85	.	Q	.	.	.	V	.
18.600	1.6541	0.85	.	Q	.	.	.	V	.
18.617	1.6552	0.84	.	Q	.	.	.	V	.
18.633	1.6564	0.84	.	Q	.	.	.	V	.
18.650	1.6575	0.84	.	Q	.	.	.	V	.
18.667	1.6587	0.84	.	Q	.	.	.	V	.
18.683	1.6598	0.83	.	Q	.	.	.	V	.
18.700	1.6610	0.83	.	Q	.	.	.	V	.
18.717	1.6621	0.83	.	Q	.	.	.	V	.
18.733	1.6633	0.82	.	Q	.	.	.	V	.
18.750	1.6644	0.82	.	Q	.	.	.	V	.
18.767	1.6655	0.82	.	Q	.	.	.	V	.
18.783	1.6666	0.82	.	Q	.	.	.	V	.
18.800	1.6678	0.81	.	Q	.	.	.	V	.
18.817	1.6689	0.81	.	Q	.	.	.	V	.
18.833	1.6700	0.81	.	Q	.	.	.	V	.
18.850	1.6711	0.81	.	Q	.	.	.	V	.
18.867	1.6722	0.80	.	Q	.	.	.	V	.
18.883	1.6733	0.80	.	Q	.	.	.	V	.
18.900	1.6744	0.80	.	Q	.	.	.	V	.
18.917	1.6755	0.80	.	Q	.	.	.	V	.
18.933	1.6766	0.79	.	Q	.	.	.	V	.
18.950	1.6777	0.79	.	Q	.	.	.	V	.
18.967	1.6788	0.79	.	Q	.	.	.	V	.
18.983	1.6799	0.79	.	Q	.	.	.	V	.
19.000	1.6809	0.78	.	Q	.	.	.	V	.
19.017	1.6820	0.78	.	Q	.	.	.	V	.
19.033	1.6831	0.78	.	Q	.	.	.	V	.
19.050	1.6842	0.78	.	Q	.	.	.	V	.
19.067	1.6852	0.78	.	Q	.	.	.	V	.
19.083	1.6863	0.77	.	Q	.	.	.	V	.
19.100	1.6874	0.77	.	Q	.	.	.	V	.
19.117	1.6884	0.77	.	Q	.	.	.	V	.
19.133	1.6895	0.77	.	Q	.	.	.	V	.
19.150	1.6905	0.76	.	Q	.	.	.	V	.
19.167	1.6916	0.76	.	Q	.	.	.	V	.
19.183	1.6926	0.76	.	Q	.	.	.	V	.
19.200	1.6937	0.76	.	Q	.	.	.	V	.
19.217	1.6947	0.76	.	Q	.	.	.	V	.
19.233	1.6957	0.75	.	Q	.	.	.	V	.
19.250	1.6968	0.75	.	Q	.	.	.	V	.
19.267	1.6978	0.75	.	Q	.	.	.	V	.
19.283	1.6988	0.75	.	Q	.	.	.	V	.
19.300	1.6999	0.75	.	Q	.	.	.	V	.
19.317	1.7009	0.74	.	Q	.	.	.	V	.
19.333	1.7019	0.74	.	Q	.	.	.	V	.
19.350	1.7029	0.74	.	Q	.	.	.	V	.
19.367	1.7039	0.74	.	Q	.	.	.	V	.
19.383	1.7050	0.74	.	Q	.	.	.	V	.
19.400	1.7060	0.73	.	Q	.	.	.	V	.
19.417	1.7070	0.73	.	Q	.	.	.	V	.
19.433	1.7080	0.73	.	Q	.	.	.	V	.
19.450	1.7090	0.73	.	Q	.	.	.	V	.
19.467	1.7100	0.73	.	Q	.	.	.	V	.
19.483	1.7110	0.72	.	Q	.	.	.	V	.
19.500	1.7120	0.72	.	Q	.	.	.	V	.
19.517	1.7130	0.72	.	Q	.	.	.	V	.
19.533	1.7140	0.72	.	Q	.	.	.	V	.
19.550	1.7149	0.72	.	Q	.	.	.	V	.
19.567	1.7159	0.71	.	Q	.	.	.	V	.
19.583	1.7169	0.71	.	Q	.	.	.	V	.
19.600	1.7179	0.71	.	Q	.	.	.	V	.
19.617	1.7189	0.71	.	Q	.	.	.	V	.
19.633	1.7198	0.71	.	Q	.	.	.	V	.
19.650	1.7208	0.71	.	Q	.	.	.	V	.
19.667	1.7218	0.70	.	Q	.	.	.	V	.
19.683	1.7228	0.70	.	Q	.	.	.	V	.
19.700	1.7237	0.70	.	Q	.	.	.	V	.
19.717	1.7247	0.70	.	Q	.	.	.	V	.
19.733	1.7256	0.70	.	Q	.	.	.	V	.
19.750	1.7266	0.70	.	Q	.	.	.	V	.
19.767	1.7276	0.69	.	Q	.	.	.	V	.
19.783	1.7285	0.69	.	Q	.	.	.	V	.
19.800	1.7295	0.69	.	Q	.	.	.	V	.
19.817	1.7304	0.69	.	Q	.	.	.	V	.
19.833	1.7314	0.69	.	Q	.	.	.	V	.
19.850	1.7323	0.69	.	Q	.	.	.	V	.
19.867	1.7333	0.69	.	Q	.	.	.	V	.
19.883	1.7342	0.68	.	Q	.	.	.	V	.
19.900	1.7351	0.68	.	Q	.	.	.	V	.
19.917	1.7361	0.68	.	Q	.	.	.	V	.
19.933	1.7370	0.68	.	Q	.	.	.	V	.
19.950	1.7379	0.68	.	Q	.	.	.	V	.
19.967	1.7389	0.68	.	Q	.	.	.	V	.
19.983	1.7398	0.67	.	Q	.	.	.	V	.
20.000	1.7407	0.67	.	Q	.	.	.	V	.
20.017	1.7417	0.67	.	Q	.	.	.	V	.
20.033	1.7426	0.67	.	Q	.	.	.	V	.
20.050	1.7435	0.67	.	Q	.	.	.	V	.
20.067	1.7444	0.67	.	Q	.	.	.	V	.
20.083	1.7453	0.67	.	Q	.	.	.	V	.
20.100	1.7462	0.66	.	Q	.	.	.	V	.
20.117	1.7472	0.66	.	Q	.	.	.	V	.
20.133	1.7481	0.66	.	Q	.	.	.	V	.
20.150	1.7490	0.66	.	Q	.	.	.	V	.
20.167	1.7499	0.66	.	Q	.	.	.	V	.
20.183	1.7508	0.66	.	Q	.	.	.	V	.
20.200	1.7517	0.66	.	Q	.	.	.	V	.
20.217	1.7526	0.65	.	Q	.	.	.	V	.
20.233	1.7535	0.65	.	Q	.	.	.	V	.
20.250	1.7544	0.65	.	Q	.	.	.	V	.
20.267	1.7553	0.65	.	Q	.	.	.	V	.
20.283	1.7562	0.65	.	Q	.	.	.	V	.
20.300	1.7571	0.65	.	Q	.	.	.	V	.
20.317	1.7580	0.65	.	Q	.	.	.	V	.
20.333	1.7589	0.65	.	Q	.	.	.	V	.
20.350	1.7597	0.64	.	Q	.	.	.	V	.
20.367	1.7606	0.64	.	Q	.	.	.	V	.
20.383	1.7615	0.64	.	Q	.	.	.	V	.

20.400	1.7624	0.64	. Q	.	.	.	V	.
20.417	1.7633	0.64	.Q	.	.	.	V	.
20.433	1.7641	0.64	.Q	.	.	.	V	.
20.450	1.7650	0.64	.Q	.	.	.	V	.
20.467	1.7659	0.63	.Q	.	.	.	V	.
20.483	1.7668	0.63	.Q	.	.	.	V	.
20.500	1.7676	0.63	.Q	.	.	.	V	.
20.517	1.7685	0.63	.Q	.	.	.	V	.
20.533	1.7694	0.63	.Q	.	.	.	V	.
20.550	1.7702	0.63	.Q	.	.	.	V	.
20.567	1.7711	0.63	.Q	.	.	.	V	.
20.583	1.7720	0.63	.Q	.	.	.	V	.
20.600	1.7728	0.63	.Q	.	.	.	V	.
20.617	1.7737	0.62	.Q	.	.	.	V	.
20.633	1.7746	0.62	.Q	.	.	.	V	.
20.650	1.7754	0.62	.Q	.	.	.	V	.
20.667	1.7763	0.62	.Q	.	.	.	V	.
20.683	1.7771	0.62	.Q	.	.	.	V	.
20.700	1.7780	0.62	.Q	.	.	.	V	.
20.717	1.7788	0.62	.Q	.	.	.	V	.
20.733	1.7797	0.62	.Q	.	.	.	V	.
20.750	1.7805	0.61	.Q	.	.	.	V	.
20.767	1.7814	0.61	.Q	.	.	.	V	.
20.783	1.7822	0.61	.Q	.	.	.	V	.
20.800	1.7830	0.61	.Q	.	.	.	V	.
20.817	1.7839	0.61	.Q	.	.	.	V	.
20.833	1.7847	0.61	.Q	.	.	.	V	.
20.850	1.7856	0.61	.Q	.	.	.	V	.
20.867	1.7864	0.61	.Q	.	.	.	V	.
20.883	1.7872	0.61	.Q	.	.	.	V	.
20.900	1.7881	0.60	.Q	.	.	.	V	.
20.917	1.7889	0.60	.Q	.	.	.	V	.
20.933	1.7897	0.60	.Q	.	.	.	V	.
20.950	1.7906	0.60	.Q	.	.	.	V	.
20.967	1.7914	0.60	.Q	.	.	.	V	.
20.983	1.7922	0.60	.Q	.	.	.	V	.
21.000	1.7930	0.60	.Q	.	.	.	V	.
21.017	1.7939	0.60	.Q	.	.	.	V	.
21.033	1.7947	0.60	.Q	.	.	.	V	.
21.050	1.7955	0.60	.Q	.	.	.	V	.
21.067	1.7963	0.59	.Q	.	.	.	V	.
21.083	1.7971	0.59	.Q	.	.	.	V	.
21.100	1.7979	0.59	.Q	.	.	.	V	.
21.117	1.7988	0.59	.Q	.	.	.	V	.
21.133	1.7996	0.59	.Q	.	.	.	V	.
21.150	1.8004	0.59	.Q	.	.	.	V	.
21.167	1.8012	0.59	.Q	.	.	.	V	.
21.183	1.8020	0.59	.Q	.	.	.	V	.
21.200	1.8028	0.59	.Q	.	.	.	V	.
21.217	1.8036	0.59	.Q	.	.	.	V	.
21.233	1.8044	0.58	.Q	.	.	.	V	.
21.250	1.8052	0.58	.Q	.	.	.	V	.
21.267	1.8060	0.58	.Q	.	.	.	V	.
21.283	1.8068	0.58	.Q	.	.	.	V	.
21.300	1.8076	0.58	.Q	.	.	.	V	.
21.317	1.8084	0.58	.Q	.	.	.	V	.
21.333	1.8092	0.58	.Q	.	.	.	V	.
21.350	1.8100	0.58	.Q	.	.	.	V	.
21.367	1.8108	0.58	.Q	.	.	.	V	.
21.383	1.8116	0.58	.Q	.	.	.	V	.
21.400	1.8124	0.57	.Q	.	.	.	V	.
21.417	1.8132	0.57	.Q	.	.	.	V	.
21.433	1.8140	0.57	.Q	.	.	.	V	.
21.450	1.8148	0.57	.Q	.	.	.	V	.
21.467	1.8156	0.57	.Q	.	.	.	V	.
21.483	1.8163	0.57	.Q	.	.	.	V	.
21.500	1.8171	0.57	.Q	.	.	.	V	.
21.517	1.8179	0.57	.Q	.	.	.	V	.
21.533	1.8187	0.57	.Q	.	.	.	V	.
21.550	1.8195	0.57	.Q	.	.	.	V	.
21.567	1.8202	0.57	.Q	.	.	.	V	.
21.583	1.8210	0.56	.Q	.	.	.	V	.
21.600	1.8218	0.56	.Q	.	.	.	V	.
21.617	1.8226	0.56	.Q	.	.	.	V	.
21.633	1.8234	0.56	.Q	.	.	.	V	.
21.650	1.8241	0.56	.Q	.	.	.	V	.
21.667	1.8249	0.56	.Q	.	.	.	V	.
21.683	1.8257	0.56	.Q	.	.	.	V	.
21.700	1.8264	0.56	.Q	.	.	.	V	.
21.717	1.8272	0.56	.Q	.	.	.	V	.
21.733	1.8280	0.56	.Q	.	.	.	V	.
21.750	1.8287	0.56	.Q	.	.	.	V	.
21.767	1.8295	0.56	.Q	.	.	.	V	.
21.783	1.8303	0.55	.Q	.	.	.	V	.
21.800	1.8310	0.55	.Q	.	.	.	V	.
21.817	1.8318	0.55	.Q	.	.	.	V	.
21.833	1.8326	0.55	.Q	.	.	.	V	.
21.850	1.8333	0.55	.Q	.	.	.	V	.
21.867	1.8341	0.55	.Q	.	.	.	V	.
21.883	1.8348	0.55	.Q	.	.	.	V	.
21.900	1.8356	0.55	.Q	.	.	.	V	.
21.917	1.8363	0.55	.Q	.	.	.	V	.
21.933	1.8371	0.55	.Q	.	.	.	V	.
21.950	1.8378	0.55	.Q	.	.	.	V	.
21.967	1.8386	0.55	.Q	.	.	.	V	.
21.983	1.8393	0.54	.Q	.	.	.	V	.
22.000	1.8401	0.54	.Q	.	.	.	V	.
22.017	1.8408	0.54	.Q	.	.	.	V	.
22.033	1.8416	0.54	.Q	.	.	.	V	.
22.050	1.8423	0.54	.Q	.	.	.	V	.
22.067	1.8431	0.54	.Q	.	.	.	V	.
22.083	1.8438	0.54	.Q	.	.	.	V	.
22.100	1.8446	0.54	.Q	.	.	.	V	.
22.117	1.8453	0.54	.Q	.	.	.	V	.
22.133	1.8461	0.54	.Q	.	.	.	V	.
22.150	1.8468	0.54	.Q	.	.	.	V	.
22.167	1.8475	0.54	.Q	.	.	.	V	.
22.183	1.8483	0.54	.Q	.	.	.	V	.
22.200	1.8490	0.53	.Q	.	.	.	V	.
22.217	1.8497	0.53	.Q	.	.	.	V	.
22.233	1.8505	0.53	.Q	.	.	.	V	.
22.250	1.8512	0.53	.Q	.	.	.	V	.
22.267	1.8519	0.53	.Q	.	.	.	V	.
22.283	1.8527	0.53	.Q	.	.	.	V	.
22.300	1.8534	0.53	.Q	.	.	.	V	.
22.317	1.8541	0.53	.Q	.	.	.	V	.
22.333	1.8549	0.53	.Q	.	.	.	V	.
22.350	1.8556	0.53	.Q	.	.	.	V	.

22.367	1.8563	0.53	.Q	.	.	.	V .
22.383	1.8570	0.53	.Q	.	.	.	V .
22.400	1.8578	0.53	.Q	.	.	.	V .
22.417	1.8585	0.53	.Q	.	.	.	V .
22.433	1.8592	0.52	.Q	.	.	.	V .
22.450	1.8599	0.52	.Q	.	.	.	V .
22.467	1.8607	0.52	.Q	.	.	.	V .
22.483	1.8614	0.52	.Q	.	.	.	V .
22.500	1.8621	0.52	.Q	.	.	.	V .
22.517	1.8628	0.52	.Q	.	.	.	V .
22.533	1.8635	0.52	.Q	.	.	.	V .
22.550	1.8642	0.52	.Q	.	.	.	V .
22.567	1.8650	0.52	.Q	.	.	.	V .
22.583	1.8657	0.52	.Q	.	.	.	V .
22.600	1.8664	0.52	.Q	.	.	.	V .
22.617	1.8671	0.52	.Q	.	.	.	V .
22.633	1.8678	0.52	.Q	.	.	.	V .
22.650	1.8685	0.52	.Q	.	.	.	V .
22.667	1.8692	0.52	.Q	.	.	.	V .
22.683	1.8699	0.51	.Q	.	.	.	V .
22.700	1.8706	0.51	.Q	.	.	.	V .
22.717	1.8714	0.51	.Q	.	.	.	V .
22.733	1.8721	0.51	.Q	.	.	.	V .
22.750	1.8728	0.51	.Q	.	.	.	V .
22.767	1.8735	0.51	.Q	.	.	.	V .
22.783	1.8742	0.51	.Q	.	.	.	V .
22.800	1.8749	0.51	.Q	.	.	.	V .
22.817	1.8756	0.51	.Q	.	.	.	V .
22.833	1.8763	0.51	.Q	.	.	.	V .
22.850	1.8770	0.51	.Q	.	.	.	V .
22.867	1.8777	0.51	.Q	.	.	.	V .
22.883	1.8784	0.51	.Q	.	.	.	V .
22.900	1.8791	0.51	.Q	.	.	.	V .
22.917	1.8798	0.51	.Q	.	.	.	V.
22.933	1.8805	0.50	.Q	.	.	.	V.
22.950	1.8812	0.50	.Q	.	.	.	V.
22.967	1.8818	0.50	.Q	.	.	.	V.
22.983	1.8825	0.50	.Q	.	.	.	V.
23.000	1.8832	0.50	.Q	.	.	.	V.
23.017	1.8839	0.50	.Q	.	.	.	V.
23.033	1.8846	0.50	.Q	.	.	.	V.
23.050	1.8853	0.50	.Q	.	.	.	V.
23.067	1.8860	0.50	.Q	.	.	.	V.
23.083	1.8867	0.50	.Q	.	.	.	V.
23.100	1.8874	0.50	.Q	.	.	.	V.
23.117	1.8881	0.50	.Q	.	.	.	V.
23.133	1.8887	0.50	.Q	.	.	.	V.
23.150	1.8894	0.50	.Q	.	.	.	V.
23.167	1.8901	0.50	.Q	.	.	.	V.
23.183	1.8908	0.50	.Q	.	.	.	V.
23.200	1.8915	0.49	.Q	.	.	.	V.
23.217	1.8922	0.49	.Q	.	.	.	V.
23.233	1.8928	0.49	.Q	.	.	.	V.
23.250	1.8935	0.49	.Q	.	.	.	V.
23.267	1.8942	0.49	.Q	.	.	.	V.
23.283	1.8949	0.49	.Q	.	.	.	V.
23.300	1.8955	0.49	.Q	.	.	.	V.
23.317	1.8962	0.49	.Q	.	.	.	V.
23.333	1.8969	0.49	.Q	.	.	.	V.
23.350	1.8976	0.49	.Q	.	.	.	V.
23.367	1.8982	0.49	.Q	.	.	.	V.
23.383	1.8989	0.49	.Q	.	.	.	V.
23.400	1.8996	0.49	.Q	.	.	.	V.
23.417	1.9003	0.49	.Q	.	.	.	V.
23.433	1.9009	0.49	.Q	.	.	.	V.
23.450	1.9016	0.49	.Q	.	.	.	V.
23.467	1.9023	0.49	.Q	.	.	.	V.
23.483	1.9029	0.49	.Q	.	.	.	V.
23.500	1.9036	0.48	.Q	.	.	.	V.
23.517	1.9043	0.48	.Q	.	.	.	V.
23.533	1.9049	0.48	.Q	.	.	.	V.
23.550	1.9056	0.48	.Q	.	.	.	V.
23.567	1.9063	0.48	.Q	.	.	.	V.
23.583	1.9069	0.48	.Q	.	.	.	V.
23.600	1.9076	0.48	.Q	.	.	.	V.
23.617	1.9083	0.48	.Q	.	.	.	V.
23.633	1.9089	0.48	.Q	.	.	.	V.
23.650	1.9096	0.48	.Q	.	.	.	V.
23.667	1.9102	0.48	.Q	.	.	.	V.
23.683	1.9109	0.48	.Q	.	.	.	V.
23.700	1.9116	0.48	.Q	.	.	.	V.
23.717	1.9122	0.48	.Q	.	.	.	V.
23.733	1.9129	0.48	.Q	.	.	.	V.
23.750	1.9135	0.48	.Q	.	.	.	V.
23.767	1.9142	0.48	.Q	.	.	.	V.
23.783	1.9148	0.48	.Q	.	.	.	V.
23.800	1.9155	0.47	.Q	.	.	.	V.
23.817	1.9161	0.47	.Q	.	.	.	V.
23.833	1.9168	0.47	.Q	.	.	.	V.
23.850	1.9174	0.47	.Q	.	.	.	V.
23.867	1.9181	0.47	.Q	.	.	.	V.
23.883	1.9187	0.47	.Q	.	.	.	V.
23.900	1.9194	0.47	.Q	.	.	.	V.
23.917	1.9200	0.47	.Q	.	.	.	V.
23.933	1.9207	0.47	.Q	.	.	.	V.
23.950	1.9213	0.47	.Q	.	.	.	V.
23.967	1.9220	0.47	.Q	.	.	.	V.
23.983	1.9226	0.47	.Q	.	.	.	V.
24.000	1.9233	0.47	.Q	.	.	.	V.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1441.0
10%	820.0
20%	315.0
30%	200.0
40%	120.0
50%	90.0
60%	75.0
70%	55.0
80%	35.0
90%	20.0

```
****************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    110.00 IS CODE = 3.2
----------------------------------------------------------------------------
  >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
============================================================================

                    INFLOW
                   (STREAM 1)
                        |
                        |
                        V                __effective depth
                    ------------         |   (and volume)
                   |            |    |    |
                   |            |    |....V........
                   | detention  |<-->|           outflow
                   |   basin    |    |.........______
                    ------------     |    ^    |  \
                        |            |  dead   |   basin outlet
                        V            | storage |
                     OUTFLOW          ---------
                   (STREAM 1)



         ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
         THROUGH A FLOW-THROUGH DETENTION BASIN
         SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
           DEAD STORAGE(AF) =      0.000
           SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
           SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
           DETENTION BASIN CONSTANT LOSS RATE(CFS) =    0.00


         BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

          INTERVAL    DEPTH      OUTFLOW     STORAGE
           NUMBER      (FT)       (CFS)       (AF)
               1       0.00        0.00       0.000
               2       0.50        0.01       0.045
               3       1.00        2.70       0.097
               4       2.00        4.80       0.222
               5       3.00        6.10       0.380
               6       4.00        7.30       0.568


============================================================================
 MODIFIED-PULS BASIN ROUTING MODEL RESULTS(1-MINUTE COMPUTATION INTERVALS):
 (Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
        MEAN OUTFLOW is the average value during the unit interval.)

           CLOCK                                              MEAN
            TIME  DEAD-STORAGE  INFLOW    LOSS   EFFECTIVE OUTFLOW  EFFECTIVE
           (HRS)   FILLED(AF)    (CFS)    (CFS)  DEPTH(FT)  (CFS)   VOLUME(AF)
----------------------------------------------------------------------------
           0.017       0.000     0.02     0.00      0.00      0.0      0.000
           0.033       0.000     0.07     0.00      0.00      0.0      0.000
           0.050       0.000     0.12     0.00      0.00      0.0      0.000
           0.067       0.000     0.17     0.00      0.01      0.0      0.001
           0.083       0.000     0.22     0.00      0.01      0.0      0.001
           0.100       0.000     0.26     0.00      0.01      0.0      0.001
           0.117       0.000     0.31     0.00      0.02      0.0      0.002
           0.133       0.000     0.36     0.00      0.02      0.0      0.002
           0.150       0.000     0.41     0.00      0.03      0.0      0.003
           0.167       0.000     0.45     0.00      0.04      0.0      0.003
           0.183       0.000     0.46     0.00      0.04      0.0      0.004
           0.200       0.000     0.46     0.00      0.05      0.0      0.005
           0.217       0.000     0.46     0.00      0.06      0.0      0.005
           0.233       0.000     0.47     0.00      0.06      0.0      0.006
           0.250       0.000     0.47     0.00      0.07      0.0      0.006
           0.267       0.000     0.47     0.00      0.08      0.0      0.007
           0.283       0.000     0.47     0.00      0.09      0.0      0.008
           0.300       0.000     0.47     0.00      0.09      0.0      0.008
           0.317       0.000     0.47     0.00      0.10      0.0      0.009
           0.333       0.000     0.47     0.00      0.11      0.0      0.010
           0.350       0.000     0.47     0.00      0.11      0.0      0.010
           0.367       0.000     0.47     0.00      0.12      0.0      0.011
           0.383       0.000     0.47     0.00      0.13      0.0      0.012
           0.400       0.000     0.47     0.00      0.14      0.0      0.012
           0.417       0.000     0.47     0.00      0.14      0.0      0.013
           0.433       0.000     0.47     0.00      0.15      0.0      0.014
           0.450       0.000     0.47     0.00      0.16      0.0      0.014
           0.467       0.000     0.47     0.00      0.16      0.0      0.015
           0.483       0.000     0.47     0.00      0.17      0.0      0.015
           0.500       0.000     0.47     0.00      0.18      0.0      0.016
           0.517       0.000     0.47     0.00      0.19      0.0      0.017
           0.533       0.000     0.47     0.00      0.19      0.0      0.017
           0.550       0.000     0.47     0.00      0.20      0.0      0.018
           0.567       0.000     0.47     0.00      0.21      0.0      0.019
           0.583       0.000     0.47     0.00      0.21      0.0      0.019
           0.600       0.000     0.47     0.00      0.22      0.0      0.020
           0.617       0.000     0.47     0.00      0.23      0.0      0.021
           0.633       0.000     0.47     0.00      0.24      0.0      0.021
           0.650       0.000     0.47     0.00      0.24      0.0      0.022
           0.667       0.000     0.47     0.00      0.25      0.0      0.022
           0.683       0.000     0.47     0.00      0.26      0.0      0.023
           0.700       0.000     0.47     0.00      0.26      0.0      0.024
           0.717       0.000     0.47     0.00      0.27      0.0      0.024
           0.733       0.000     0.47     0.00      0.28      0.0      0.025
           0.750       0.000     0.47     0.00      0.29      0.0      0.026
           0.767       0.000     0.47     0.00      0.29      0.0      0.026
           0.783       0.000     0.47     0.00      0.30      0.0      0.027
           0.800       0.000     0.47     0.00      0.31      0.0      0.028
           0.817       0.000     0.47     0.00      0.31      0.0      0.028
           0.833       0.000     0.47     0.00      0.32      0.0      0.029
           0.850       0.000     0.47     0.00      0.33      0.0      0.030
           0.867       0.000     0.47     0.00      0.34      0.0      0.030
           0.883       0.000     0.48     0.00      0.34      0.0      0.031
           0.900       0.000     0.48     0.00      0.35      0.0      0.031
           0.917       0.000     0.48     0.00      0.36      0.0      0.032
           0.933       0.000     0.48     0.00      0.36      0.0      0.033
           0.950       0.000     0.48     0.00      0.37      0.0      0.033
           0.967       0.000     0.48     0.00      0.38      0.0      0.034
           0.983       0.000     0.48     0.00      0.39      0.0      0.035
           1.000       0.000     0.48     0.00      0.39      0.0      0.035
           1.017       0.000     0.48     0.00      0.40      0.0      0.036
           1.033       0.000     0.48     0.00      0.41      0.0      0.037
           1.050       0.000     0.48     0.00      0.41      0.0      0.037
```

1.067	0.000	0.48	0.00	0.42	0.0	0.038
1.083	0.000	0.48	0.00	0.43	0.0	0.039
1.100	0.000	0.48	0.00	0.44	0.0	0.039
1.117	0.000	0.48	0.00	0.44	0.0	0.040
1.133	0.000	0.48	0.00	0.45	0.0	0.041
1.150	0.000	0.48	0.00	0.46	0.0	0.041
1.167	0.000	0.48	0.00	0.46	0.0	0.042
1.183	0.000	0.48	0.00	0.47	0.0	0.042
1.200	0.000	0.48	0.00	0.48	0.0	0.043
1.217	0.000	0.48	0.00	0.49	0.0	0.044
1.233	0.000	0.48	0.00	0.49	0.0	0.044
1.250	0.000	0.48	0.00	0.50	0.0	0.045
1.267	0.000	0.48	0.00	0.51	0.0	0.046
1.283	0.000	0.48	0.00	0.51	0.1	0.046
1.300	0.000	0.48	0.00	0.52	0.1	0.047
1.317	0.000	0.48	0.00	0.52	0.1	0.047
1.333	0.000	0.48	0.00	0.53	0.1	0.048
1.350	0.000	0.48	0.00	0.53	0.2	0.048
1.367	0.000	0.48	0.00	0.53	0.2	0.049
1.383	0.000	0.48	0.00	0.54	0.2	0.049
1.400	0.000	0.48	0.00	0.54	0.2	0.049
1.417	0.000	0.48	0.00	0.54	0.2	0.050
1.433	0.000	0.48	0.00	0.55	0.3	0.050
1.450	0.000	0.48	0.00	0.55	0.3	0.050
1.467	0.000	0.48	0.00	0.55	0.3	0.051
1.483	0.000	0.48	0.00	0.56	0.3	0.051
1.500	0.000	0.48	0.00	0.56	0.3	0.051
1.517	0.000	0.48	0.00	0.56	0.3	0.051
1.533	0.000	0.49	0.00	0.56	0.3	0.051
1.550	0.000	0.49	0.00	0.56	0.3	0.052
1.567	0.000	0.49	0.00	0.57	0.4	0.052
1.583	0.000	0.49	0.00	0.57	0.4	0.052
1.600	0.000	0.49	0.00	0.57	0.4	0.052
1.617	0.000	0.49	0.00	0.57	0.4	0.052
1.633	0.000	0.49	0.00	0.57	0.4	0.052
1.650	0.000	0.49	0.00	0.57	0.4	0.053
1.667	0.000	0.49	0.00	0.57	0.4	0.053
1.683	0.000	0.49	0.00	0.57	0.4	0.053
1.700	0.000	0.49	0.00	0.58	0.4	0.053
1.717	0.000	0.49	0.00	0.58	0.4	0.053
1.733	0.000	0.49	0.00	0.58	0.4	0.053
1.750	0.000	0.49	0.00	0.58	0.4	0.053
1.767	0.000	0.49	0.00	0.58	0.4	0.053
1.783	0.000	0.49	0.00	0.58	0.4	0.053
1.800	0.000	0.49	0.00	0.58	0.4	0.053
1.817	0.000	0.49	0.00	0.58	0.4	0.053
1.833	0.000	0.49	0.00	0.58	0.4	0.053
1.850	0.000	0.49	0.00	0.58	0.4	0.054
1.867	0.000	0.49	0.00	0.58	0.5	0.054
1.883	0.000	0.49	0.00	0.58	0.5	0.054
1.900	0.000	0.49	0.00	0.58	0.5	0.054
1.917	0.000	0.49	0.00	0.58	0.5	0.054
1.933	0.000	0.49	0.00	0.58	0.5	0.054
1.950	0.000	0.49	0.00	0.58	0.5	0.054
1.967	0.000	0.49	0.00	0.58	0.5	0.054
1.983	0.000	0.49	0.00	0.59	0.5	0.054
2.000	0.000	0.49	0.00	0.59	0.5	0.054
2.017	0.000	0.49	0.00	0.59	0.5	0.054
2.033	0.000	0.49	0.00	0.59	0.5	0.054
2.050	0.000	0.49	0.00	0.59	0.5	0.054
2.067	0.000	0.49	0.00	0.59	0.5	0.054
2.083	0.000	0.50	0.00	0.59	0.5	0.054
2.100	0.000	0.50	0.00	0.59	0.5	0.054
2.117	0.000	0.50	0.00	0.59	0.5	0.054
2.133	0.000	0.50	0.00	0.59	0.5	0.054
2.150	0.000	0.50	0.00	0.59	0.5	0.054
2.167	0.000	0.50	0.00	0.59	0.5	0.054
2.183	0.000	0.50	0.00	0.59	0.5	0.054
2.200	0.000	0.50	0.00	0.59	0.5	0.054
2.217	0.000	0.50	0.00	0.59	0.5	0.054
2.233	0.000	0.50	0.00	0.59	0.5	0.054
2.250	0.000	0.50	0.00	0.59	0.5	0.054
2.267	0.000	0.50	0.00	0.59	0.5	0.054
2.283	0.000	0.50	0.00	0.59	0.5	0.054
2.300	0.000	0.50	0.00	0.59	0.5	0.054
2.317	0.000	0.50	0.00	0.59	0.5	0.054
2.333	0.000	0.50	0.00	0.59	0.5	0.054
2.350	0.000	0.50	0.00	0.59	0.5	0.054
2.367	0.000	0.50	0.00	0.59	0.5	0.054
2.383	0.000	0.50	0.00	0.59	0.5	0.054
2.400	0.000	0.50	0.00	0.59	0.5	0.054
2.417	0.000	0.50	0.00	0.59	0.5	0.054
2.433	0.000	0.50	0.00	0.59	0.5	0.054
2.450	0.000	0.50	0.00	0.59	0.5	0.054
2.467	0.000	0.50	0.00	0.59	0.5	0.054
2.483	0.000	0.50	0.00	0.59	0.5	0.054
2.500	0.000	0.50	0.00	0.59	0.5	0.054
2.517	0.000	0.50	0.00	0.59	0.5	0.054
2.533	0.000	0.50	0.00	0.59	0.5	0.054
2.550	0.000	0.50	0.00	0.59	0.5	0.054
2.567	0.000	0.50	0.00	0.59	0.5	0.054
2.583	0.000	0.50	0.00	0.59	0.5	0.054
2.600	0.000	0.50	0.00	0.59	0.5	0.054
2.617	0.000	0.50	0.00	0.59	0.5	0.054
2.633	0.000	0.50	0.00	0.59	0.5	0.054
2.650	0.000	0.50	0.00	0.59	0.5	0.054
2.667	0.000	0.51	0.00	0.59	0.5	0.054
2.683	0.000	0.51	0.00	0.59	0.5	0.054
2.700	0.000	0.51	0.00	0.59	0.5	0.054
2.717	0.000	0.51	0.00	0.59	0.5	0.054
2.733	0.000	0.51	0.00	0.59	0.5	0.054
2.750	0.000	0.51	0.00	0.59	0.5	0.054
2.767	0.000	0.51	0.00	0.59	0.5	0.055
2.783	0.000	0.51	0.00	0.59	0.5	0.055
2.800	0.000	0.51	0.00	0.59	0.5	0.055
2.817	0.000	0.51	0.00	0.59	0.5	0.055
2.833	0.000	0.51	0.00	0.59	0.5	0.055
2.850	0.000	0.51	0.00	0.59	0.5	0.055
2.867	0.000	0.51	0.00	0.59	0.5	0.055
2.883	0.000	0.51	0.00	0.59	0.5	0.055
2.900	0.000	0.51	0.00	0.59	0.5	0.055
2.917	0.000	0.51	0.00	0.59	0.5	0.055
2.933	0.000	0.51	0.00	0.59	0.5	0.055
2.950	0.000	0.51	0.00	0.59	0.5	0.055
2.967	0.000	0.51	0.00	0.59	0.5	0.055
2.983	0.000	0.51	0.00	0.59	0.5	0.055
3.000	0.000	0.51	0.00	0.59	0.5	0.055
3.017	0.000	0.51	0.00	0.59	0.5	0.055

3.033	0.000	0.51	0.00	0.59	0.5	0.055
3.050	0.000	0.51	0.00	0.59	0.5	0.055
3.067	0.000	0.51	0.00	0.59	0.5	0.055
3.083	0.000	0.51	0.00	0.59	0.5	0.055
3.100	0.000	0.51	0.00	0.59	0.5	0.055
3.117	0.000	0.51	0.00	0.59	0.5	0.055
3.133	0.000	0.52	0.00	0.59	0.5	0.055
3.150	0.000	0.52	0.00	0.59	0.5	0.055
3.167	0.000	0.52	0.00	0.59	0.5	0.055
3.183	0.000	0.52	0.00	0.59	0.5	0.055
3.200	0.000	0.52	0.00	0.59	0.5	0.055
3.217	0.000	0.52	0.00	0.59	0.5	0.055
3.233	0.000	0.52	0.00	0.59	0.5	0.055
3.250	0.000	0.52	0.00	0.59	0.5	0.055
3.267	0.000	0.52	0.00	0.59	0.5	0.055
3.283	0.000	0.52	0.00	0.59	0.5	0.055
3.300	0.000	0.52	0.00	0.59	0.5	0.055
3.317	0.000	0.52	0.00	0.59	0.5	0.055
3.333	0.000	0.52	0.00	0.59	0.5	0.055
3.350	0.000	0.52	0.00	0.59	0.5	0.055
3.367	0.000	0.52	0.00	0.59	0.5	0.055
3.383	0.000	0.52	0.00	0.59	0.5	0.055
3.400	0.000	0.52	0.00	0.59	0.5	0.055
3.417	0.000	0.52	0.00	0.59	0.5	0.055
3.433	0.000	0.52	0.00	0.59	0.5	0.055
3.450	0.000	0.52	0.00	0.59	0.5	0.055
3.467	0.000	0.52	0.00	0.59	0.5	0.055
3.483	0.000	0.52	0.00	0.59	0.5	0.055
3.500	0.000	0.52	0.00	0.59	0.5	0.055
3.517	0.000	0.52	0.00	0.59	0.5	0.055
3.533	0.000	0.52	0.00	0.59	0.5	0.055
3.550	0.000	0.52	0.00	0.59	0.5	0.055
3.567	0.000	0.52	0.00	0.59	0.5	0.055
3.583	0.000	0.52	0.00	0.59	0.5	0.055
3.600	0.000	0.52	0.00	0.59	0.5	0.055
3.617	0.000	0.52	0.00	0.59	0.5	0.055
3.633	0.000	0.52	0.00	0.59	0.5	0.055
3.650	0.000	0.53	0.00	0.59	0.5	0.055
3.667	0.000	0.53	0.00	0.59	0.5	0.055
3.683	0.000	0.53	0.00	0.59	0.5	0.055
3.700	0.000	0.53	0.00	0.59	0.5	0.055
3.717	0.000	0.53	0.00	0.59	0.5	0.055
3.733	0.000	0.53	0.00	0.60	0.5	0.055
3.750	0.000	0.53	0.00	0.60	0.5	0.055
3.767	0.000	0.53	0.00	0.60	0.5	0.055
3.783	0.000	0.53	0.00	0.60	0.5	0.055
3.800	0.000	0.53	0.00	0.60	0.5	0.055
3.817	0.000	0.53	0.00	0.60	0.5	0.055
3.833	0.000	0.53	0.00	0.60	0.5	0.055
3.850	0.000	0.53	0.00	0.60	0.5	0.055
3.867	0.000	0.53	0.00	0.60	0.5	0.055
3.883	0.000	0.53	0.00	0.60	0.5	0.055
3.900	0.000	0.53	0.00	0.60	0.5	0.055
3.917	0.000	0.53	0.00	0.60	0.5	0.055
3.933	0.000	0.53	0.00	0.60	0.5	0.055
3.950	0.000	0.53	0.00	0.60	0.5	0.055
3.967	0.000	0.53	0.00	0.60	0.5	0.055
3.983	0.000	0.53	0.00	0.60	0.5	0.055
4.000	0.000	0.53	0.00	0.60	0.5	0.055

4.017	0.000	0.53	0.00	0.60	0.5	0.055
4.033	0.000	0.53	0.00	0.60	0.5	0.055
4.050	0.000	0.53	0.00	0.60	0.5	0.055
4.067	0.000	0.53	0.00	0.60	0.5	0.055
4.083	0.000	0.53	0.00	0.60	0.5	0.055
4.100	0.000	0.53	0.00	0.60	0.5	0.055
4.117	0.000	0.53	0.00	0.60	0.5	0.055
4.133	0.000	0.54	0.00	0.60	0.5	0.055
4.150	0.000	0.54	0.00	0.60	0.5	0.055
4.167	0.000	0.54	0.00	0.60	0.5	0.055
4.183	0.000	0.54	0.00	0.60	0.5	0.055
4.200	0.000	0.54	0.00	0.60	0.5	0.055
4.217	0.000	0.54	0.00	0.60	0.5	0.055
4.233	0.000	0.54	0.00	0.60	0.5	0.055
4.250	0.000	0.54	0.00	0.60	0.5	0.055
4.267	0.000	0.54	0.00	0.60	0.5	0.055
4.283	0.000	0.54	0.00	0.60	0.5	0.055
4.300	0.000	0.54	0.00	0.60	0.5	0.055
4.317	0.000	0.54	0.00	0.60	0.5	0.055
4.333	0.000	0.54	0.00	0.60	0.5	0.055
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4.450	0.000	0.54	0.00	0.60	0.5	0.055
4.467	0.000	0.54	0.00	0.60	0.5	0.055
4.483	0.000	0.54	0.00	0.60	0.5	0.055
4.500	0.000	0.54	0.00	0.60	0.5	0.055
4.517	0.000	0.54	0.00	0.60	0.5	0.055
4.533	0.000	0.54	0.00	0.60	0.5	0.055
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4.567	0.000	0.55	0.00	0.60	0.5	0.055
4.583	0.000	0.55	0.00	0.60	0.5	0.055
4.600	0.000	0.55	0.00	0.60	0.5	0.055
4.617	0.000	0.55	0.00	0.60	0.5	0.055
4.633	0.000	0.55	0.00	0.60	0.5	0.055
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4.667	0.000	0.55	0.00	0.60	0.5	0.055
4.683	0.000	0.55	0.00	0.60	0.5	0.055
4.700	0.000	0.55	0.00	0.60	0.5	0.055
4.717	0.000	0.55	0.00	0.60	0.5	0.055
4.733	0.000	0.55	0.00	0.60	0.5	0.055
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4.783	0.000	0.55	0.00	0.60	0.5	0.055
4.800	0.000	0.55	0.00	0.60	0.5	0.055
4.817	0.000	0.55	0.00	0.60	0.5	0.055
4.833	0.000	0.55	0.00	0.60	0.5	0.055
4.850	0.000	0.55	0.00	0.60	0.5	0.055
4.867	0.000	0.55	0.00	0.60	0.5	0.055
4.883	0.000	0.55	0.00	0.60	0.5	0.055
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4.950	0.000	0.56	0.00	0.60	0.5	0.055
4.967	0.000	0.56	0.00	0.60	0.5	0.055
4.983	0.000	0.56	0.00	0.60	0.6	0.055

5.000	0.000	0.56	0.00	0.60	0.6	0.055
5.017	0.000	0.56	0.00	0.60	0.6	0.055
5.033	0.000	0.56	0.00	0.60	0.6	0.055
5.050	0.000	0.56	0.00	0.60	0.6	0.055
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5.267	0.000	0.56	0.00	0.60	0.6	0.056
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5.667	0.000	0.57	0.00	0.60	0.6	0.056
5.683	0.000	0.57	0.00	0.60	0.6	0.056
5.700	0.000	0.58	0.00	0.60	0.6	0.056
5.717	0.000	0.58	0.00	0.60	0.6	0.056
5.733	0.000	0.58	0.00	0.60	0.6	0.056
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5.867	0.000	0.58	0.00	0.60	0.6	0.056
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6.267	0.000	0.59	0.00	0.61	0.6	0.056
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6.367	0.000	0.59	0.00	0.61	0.6	0.056
6.383	0.000	0.59	0.00	0.61	0.6	0.056
6.400	0.000	0.60	0.00	0.61	0.6	0.056
6.417	0.000	0.60	0.00	0.61	0.6	0.056
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6.450	0.000	0.60	0.00	0.61	0.6	0.056
6.467	0.000	0.60	0.00	0.61	0.6	0.056
6.483	0.000	0.60	0.00	0.61	0.6	0.056
6.500	0.000	0.60	0.00	0.61	0.6	0.056
6.517	0.000	0.60	0.00	0.61	0.6	0.056
6.533	0.000	0.60	0.00	0.61	0.6	0.056
6.550	0.000	0.60	0.00	0.61	0.6	0.056
6.567	0.000	0.60	0.00	0.61	0.6	0.056
6.583	0.000	0.60	0.00	0.61	0.6	0.056
6.600	0.000	0.60	0.00	0.61	0.6	0.056
6.617	0.000	0.60	0.00	0.61	0.6	0.056
6.633	0.000	0.60	0.00	0.61	0.6	0.056
6.650	0.000	0.60	0.00	0.61	0.6	0.056
6.667	0.000	0.60	0.00	0.61	0.6	0.056
6.683	0.000	0.60	0.00	0.61	0.6	0.056
6.700	0.000	0.60	0.00	0.61	0.6	0.056
6.717	0.000	0.60	0.00	0.61	0.6	0.056
6.733	0.000	0.61	0.00	0.61	0.6	0.056
6.750	0.000	0.61	0.00	0.61	0.6	0.056
6.767	0.000	0.61	0.00	0.61	0.6	0.056
6.783	0.000	0.61	0.00	0.61	0.6	0.056
6.800	0.000	0.61	0.00	0.61	0.6	0.056
6.817	0.000	0.61	0.00	0.61	0.6	0.056
6.833	0.000	0.61	0.00	0.61	0.6	0.056
6.850	0.000	0.61	0.00	0.61	0.6	0.056
6.867	0.000	0.61	0.00	0.61	0.6	0.056
6.883	0.000	0.61	0.00	0.61	0.6	0.056
6.900	0.000	0.61	0.00	0.61	0.6	0.056
6.917	0.000	0.61	0.00	0.61	0.6	0.056
6.933	0.000	0.61	0.00	0.61	0.6	0.056
6.950	0.000	0.61	0.00	0.61	0.6	0.057

6.967	0.000	0.61	0.00	0.61	0.6	0.057
6.983	0.000	0.61	0.00	0.61	0.6	0.057
7.000	0.000	0.61	0.00	0.61	0.6	0.057
7.017	0.000	0.62	0.00	0.61	0.6	0.057
7.033	0.000	0.62	0.00	0.61	0.6	0.057
7.050	0.000	0.62	0.00	0.61	0.6	0.057
7.067	0.000	0.62	0.00	0.61	0.6	0.057
7.083	0.000	0.62	0.00	0.61	0.6	0.057
7.100	0.000	0.62	0.00	0.61	0.6	0.057
7.117	0.000	0.62	0.00	0.61	0.6	0.057
7.133	0.000	0.62	0.00	0.61	0.6	0.057
7.150	0.000	0.62	0.00	0.61	0.6	0.057
7.167	0.000	0.62	0.00	0.61	0.6	0.057
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7.267	0.000	0.63	0.00	0.61	0.6	0.057
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7.300	0.000	0.63	0.00	0.61	0.6	0.057
7.317	0.000	0.63	0.00	0.61	0.6	0.057
7.333	0.000	0.63	0.00	0.61	0.6	0.057
7.350	0.000	0.63	0.00	0.61	0.6	0.057
7.367	0.000	0.63	0.00	0.61	0.6	0.057
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7.950	0.000	0.65	0.00	0.62	0.6	0.057
7.967	0.000	0.65	0.00	0.62	0.6	0.057
7.983	0.000	0.65	0.00	0.62	0.6	0.057
8.000	0.000	0.65	0.00	0.62	0.6	0.057
8.017	0.000	0.65	0.00	0.62	0.6	0.057
8.033	0.000	0.65	0.00	0.62	0.6	0.057
8.050	0.000	0.65	0.00	0.62	0.6	0.057
8.067	0.000	0.66	0.00	0.62	0.6	0.057
8.083	0.000	0.66	0.00	0.62	0.6	0.057
8.100	0.000	0.66	0.00	0.62	0.6	0.057
8.117	0.000	0.66	0.00	0.62	0.6	0.057
8.133	0.000	0.66	0.00	0.62	0.6	0.057
8.150	0.000	0.66	0.00	0.62	0.6	0.057
8.167	0.000	0.66	0.00	0.62	0.6	0.057
8.183	0.000	0.66	0.00	0.62	0.7	0.057
8.200	0.000	0.66	0.00	0.62	0.7	0.057
8.217	0.000	0.66	0.00	0.62	0.7	0.057
8.233	0.000	0.66	0.00	0.62	0.7	0.057
8.250	0.000	0.66	0.00	0.62	0.7	0.057
8.267	0.000	0.66	0.00	0.62	0.7	0.057
8.283	0.000	0.66	0.00	0.62	0.7	0.057
8.300	0.000	0.66	0.00	0.62	0.7	0.057
8.317	0.000	0.67	0.00	0.62	0.7	0.057
8.333	0.000	0.67	0.00	0.62	0.7	0.057
8.350	0.000	0.67	0.00	0.62	0.7	0.057
8.367	0.000	0.67	0.00	0.62	0.7	0.058
8.383	0.000	0.67	0.00	0.62	0.7	0.058
8.400	0.000	0.67	0.00	0.62	0.7	0.058
8.417	0.000	0.67	0.00	0.62	0.7	0.058
8.433	0.000	0.67	0.00	0.62	0.7	0.058
8.450	0.000	0.67	0.00	0.62	0.7	0.058
8.467	0.000	0.67	0.00	0.62	0.7	0.058
8.483	0.000	0.67	0.00	0.62	0.7	0.058
8.500	0.000	0.67	0.00	0.62	0.7	0.058
8.517	0.000	0.67	0.00	0.62	0.7	0.058
8.533	0.000	0.67	0.00	0.62	0.7	0.058
8.550	0.000	0.67	0.00	0.62	0.7	0.058
8.567	0.000	0.67	0.00	0.62	0.7	0.058
8.583	0.000	0.68	0.00	0.62	0.7	0.058
8.600	0.000	0.68	0.00	0.62	0.7	0.058
8.617	0.000	0.68	0.00	0.62	0.7	0.058
8.633	0.000	0.68	0.00	0.62	0.7	0.058
8.650	0.000	0.68	0.00	0.62	0.7	0.058
8.667	0.000	0.68	0.00	0.62	0.7	0.058
8.683	0.000	0.68	0.00	0.62	0.7	0.058
8.700	0.000	0.68	0.00	0.62	0.7	0.058
8.717	0.000	0.68	0.00	0.62	0.7	0.058
8.733	0.000	0.69	0.00	0.62	0.7	0.058
8.750	0.000	0.69	0.00	0.62	0.7	0.058
8.767	0.000	0.69	0.00	0.62	0.7	0.058
8.783	0.000	0.69	0.00	0.62	0.7	0.058
8.800	0.000	0.69	0.00	0.62	0.7	0.058
8.817	0.000	0.69	0.00	0.62	0.7	0.058
8.833	0.000	0.69	0.00	0.62	0.7	0.058
8.850	0.000	0.69	0.00	0.62	0.7	0.058
8.867	0.000	0.69	0.00	0.62	0.7	0.058
8.883	0.000	0.69	0.00	0.62	0.7	0.058
8.900	0.000	0.69	0.00	0.62	0.7	0.058
8.917	0.000	0.69	0.00	0.62	0.7	0.058

8.933	0.000	0.69	0.00	0.62	0.7	0.058
8.950	0.000	0.69	0.00	0.63	0.7	0.058
8.967	0.000	0.69	0.00	0.63	0.7	0.058
8.983	0.000	0.70	0.00	0.63	0.7	0.058
9.000	0.000	0.70	0.00	0.63	0.7	0.058
9.017	0.000	0.70	0.00	0.63	0.7	0.058
9.033	0.000	0.70	0.00	0.63	0.7	0.058
9.050	0.000	0.70	0.00	0.63	0.7	0.058
9.067	0.000	0.70	0.00	0.63	0.7	0.058
9.083	0.000	0.70	0.00	0.63	0.7	0.058
9.100	0.000	0.70	0.00	0.63	0.7	0.058
9.117	0.000	0.70	0.00	0.63	0.7	0.058
9.133	0.000	0.70	0.00	0.63	0.7	0.058
9.150	0.000	0.71	0.00	0.63	0.7	0.058
9.167	0.000	0.71	0.00	0.63	0.7	0.058
9.183	0.000	0.71	0.00	0.63	0.7	0.058
9.200	0.000	0.71	0.00	0.63	0.7	0.058
9.217	0.000	0.71	0.00	0.63	0.7	0.058
9.233	0.000	0.71	0.00	0.63	0.7	0.058
9.250	0.000	0.71	0.00	0.63	0.7	0.058
9.267	0.000	0.71	0.00	0.63	0.7	0.058
9.283	0.000	0.71	0.00	0.63	0.7	0.058
9.300	0.000	0.71	0.00	0.63	0.7	0.058
9.317	0.000	0.71	0.00	0.63	0.7	0.058
9.333	0.000	0.71	0.00	0.63	0.7	0.058
9.350	0.000	0.71	0.00	0.63	0.7	0.058
9.367	0.000	0.71	0.00	0.63	0.7	0.058
9.383	0.000	0.72	0.00	0.63	0.7	0.058
9.400	0.000	0.72	0.00	0.63	0.7	0.058
9.417	0.000	0.72	0.00	0.63	0.7	0.058
9.433	0.000	0.72	0.00	0.63	0.7	0.058
9.450	0.000	0.72	0.00	0.63	0.7	0.058
9.467	0.000	0.72	0.00	0.63	0.7	0.058
9.483	0.000	0.72	0.00	0.63	0.7	0.059
9.500	0.000	0.72	0.00	0.63	0.7	0.059
9.517	0.000	0.72	0.00	0.63	0.7	0.059
9.533	0.000	0.73	0.00	0.63	0.7	0.059
9.550	0.000	0.73	0.00	0.63	0.7	0.059
9.567	0.000	0.73	0.00	0.63	0.7	0.059
9.583	0.000	0.73	0.00	0.63	0.7	0.059
9.600	0.000	0.73	0.00	0.63	0.7	0.059
9.617	0.000	0.73	0.00	0.63	0.7	0.059
9.633	0.000	0.73	0.00	0.63	0.7	0.059
9.650	0.000	0.73	0.00	0.63	0.7	0.059
9.667	0.000	0.73	0.00	0.63	0.7	0.059
9.683	0.000	0.73	0.00	0.63	0.7	0.059
9.700	0.000	0.73	0.00	0.63	0.7	0.059
9.717	0.000	0.73	0.00	0.63	0.7	0.059
9.733	0.000	0.74	0.00	0.63	0.7	0.059
9.750	0.000	0.74	0.00	0.63	0.7	0.059
9.767	0.000	0.74	0.00	0.63	0.7	0.059
9.783	0.000	0.74	0.00	0.63	0.7	0.059
9.800	0.000	0.74	0.00	0.63	0.7	0.059
9.817	0.000	0.74	0.00	0.63	0.7	0.059
9.833	0.000	0.74	0.00	0.63	0.7	0.059
9.850	0.000	0.74	0.00	0.63	0.7	0.059
9.867	0.000	0.75	0.00	0.63	0.7	0.059
9.883	0.000	0.75	0.00	0.63	0.7	0.059
9.900	0.000	0.75	0.00	0.63	0.7	0.059
9.917	0.000	0.75	0.00	0.63	0.7	0.059
9.933	0.000	0.75	0.00	0.63	0.7	0.059
9.950	0.000	0.75	0.00	0.63	0.7	0.059
9.967	0.000	0.75	0.00	0.63	0.7	0.059
9.983	0.000	0.75	0.00	0.64	0.7	0.059
10.000	0.000	0.75	0.00	0.64	0.7	0.059
10.017	0.000	0.75	0.00	0.64	0.7	0.059
10.033	0.000	0.75	0.00	0.64	0.7	0.059
10.050	0.000	0.75	0.00	0.64	0.7	0.059
10.067	0.000	0.75	0.00	0.64	0.7	0.059
10.083	0.000	0.76	0.00	0.64	0.7	0.059
10.100	0.000	0.76	0.00	0.64	0.7	0.059
10.117	0.000	0.76	0.00	0.64	0.7	0.059
10.133	0.000	0.76	0.00	0.64	0.7	0.059
10.150	0.000	0.76	0.00	0.64	0.7	0.059
10.167	0.000	0.76	0.00	0.64	0.7	0.059
10.183	0.000	0.76	0.00	0.64	0.7	0.059
10.200	0.000	0.77	0.00	0.64	0.7	0.059
10.217	0.000	0.77	0.00	0.64	0.8	0.059
10.233	0.000	0.77	0.00	0.64	0.8	0.059
10.250	0.000	0.77	0.00	0.64	0.8	0.059
10.267	0.000	0.77	0.00	0.64	0.8	0.059
10.283	0.000	0.77	0.00	0.64	0.8	0.059
10.300	0.000	0.77	0.00	0.64	0.8	0.059
10.317	0.000	0.77	0.00	0.64	0.8	0.059
10.333	0.000	0.77	0.00	0.64	0.8	0.059
10.350	0.000	0.77	0.00	0.64	0.8	0.059
10.367	0.000	0.77	0.00	0.64	0.8	0.060
10.383	0.000	0.78	0.00	0.64	0.8	0.060
10.400	0.000	0.78	0.00	0.64	0.8	0.060
10.417	0.000	0.78	0.00	0.64	0.8	0.060
10.433	0.000	0.78	0.00	0.64	0.8	0.060
10.450	0.000	0.78	0.00	0.64	0.8	0.060
10.467	0.000	0.78	0.00	0.64	0.8	0.060
10.483	0.000	0.78	0.00	0.64	0.8	0.060
10.500	0.000	0.78	0.00	0.64	0.8	0.060
10.517	0.000	0.79	0.00	0.64	0.8	0.060
10.533	0.000	0.79	0.00	0.64	0.8	0.060
10.550	0.000	0.79	0.00	0.64	0.8	0.060
10.567	0.000	0.79	0.00	0.64	0.8	0.060
10.583	0.000	0.79	0.00	0.64	0.8	0.060
10.600	0.000	0.79	0.00	0.64	0.8	0.060
10.617	0.000	0.79	0.00	0.64	0.8	0.060
10.633	0.000	0.80	0.00	0.64	0.8	0.060
10.650	0.000	0.80	0.00	0.64	0.8	0.060
10.667	0.000	0.80	0.00	0.64	0.8	0.060
10.683	0.000	0.80	0.00	0.64	0.8	0.060
10.700	0.000	0.80	0.00	0.64	0.8	0.060
10.717	0.000	0.80	0.00	0.64	0.8	0.060
10.733	0.000	0.80	0.00	0.64	0.8	0.060
10.750	0.000	0.80	0.00	0.64	0.8	0.060
10.767	0.000	0.80	0.00	0.64	0.8	0.060
10.783	0.000	0.80	0.00	0.64	0.8	0.060
10.800	0.000	0.80	0.00	0.64	0.8	0.060
10.817	0.000	0.81	0.00	0.65	0.8	0.060
10.833	0.000	0.81	0.00	0.65	0.8	0.060
10.850	0.000	0.81	0.00	0.65	0.8	0.060
10.867	0.000	0.81	0.00	0.65	0.8	0.060
10.883	0.000	0.81	0.00	0.65	0.8	0.060

10.900	0.000	0.81	0.00	0.65	0.8	0.060
10.917	0.000	0.82	0.00	0.65	0.8	0.060
10.933	0.000	0.82	0.00	0.65	0.8	0.060
10.950	0.000	0.82	0.00	0.65	0.8	0.060
10.967	0.000	0.82	0.00	0.65	0.8	0.060
10.983	0.000	0.82	0.00	0.65	0.8	0.060
11.000	0.000	0.82	0.00	0.65	0.8	0.060
11.017	0.000	0.82	0.00	0.65	0.8	0.060
11.033	0.000	0.83	0.00	0.65	0.8	0.060
11.050	0.000	0.83	0.00	0.65	0.8	0.060
11.067	0.000	0.83	0.00	0.65	0.8	0.060
11.083	0.000	0.83	0.00	0.65	0.8	0.060
11.100	0.000	0.83	0.00	0.65	0.8	0.061
11.117	0.000	0.83	0.00	0.65	0.8	0.061
11.133	0.000	0.83	0.00	0.65	0.8	0.061
11.150	0.000	0.83	0.00	0.65	0.8	0.061
11.167	0.000	0.83	0.00	0.65	0.8	0.061
11.183	0.000	0.84	0.00	0.65	0.8	0.061
11.200	0.000	0.84	0.00	0.65	0.8	0.061
11.217	0.000	0.84	0.00	0.65	0.8	0.061
11.233	0.000	0.84	0.00	0.65	0.8	0.061
11.250	0.000	0.84	0.00	0.65	0.8	0.061
11.267	0.000	0.84	0.00	0.65	0.8	0.061
11.283	0.000	0.85	0.00	0.65	0.8	0.061
11.300	0.000	0.85	0.00	0.65	0.8	0.061
11.317	0.000	0.85	0.00	0.65	0.8	0.061
11.333	0.000	0.85	0.00	0.65	0.8	0.061
11.350	0.000	0.85	0.00	0.65	0.8	0.061
11.367	0.000	0.86	0.00	0.65	0.8	0.061
11.383	0.000	0.86	0.00	0.65	0.8	0.061
11.400	0.000	0.86	0.00	0.65	0.8	0.061
11.417	0.000	0.86	0.00	0.65	0.8	0.061
11.433	0.000	0.86	0.00	0.65	0.8	0.061
11.450	0.000	0.86	0.00	0.65	0.8	0.061
11.467	0.000	0.86	0.00	0.65	0.8	0.061
11.483	0.000	0.86	0.00	0.66	0.8	0.061
11.500	0.000	0.86	0.00	0.66	0.8	0.061
11.517	0.000	0.86	0.00	0.66	0.8	0.061
11.533	0.000	0.87	0.00	0.66	0.8	0.061
11.550	0.000	0.87	0.00	0.66	0.8	0.061
11.567	0.000	0.87	0.00	0.66	0.9	0.061
11.583	0.000	0.87	0.00	0.66	0.9	0.061
11.600	0.000	0.87	0.00	0.66	0.9	0.061
11.617	0.000	0.88	0.00	0.66	0.9	0.061
11.633	0.000	0.88	0.00	0.66	0.9	0.061
11.650	0.000	0.88	0.00	0.66	0.9	0.061
11.667	0.000	0.88	0.00	0.66	0.9	0.061
11.683	0.000	0.89	0.00	0.66	0.9	0.061
11.700	0.000	0.89	0.00	0.66	0.9	0.061
11.717	0.000	0.89	0.00	0.66	0.9	0.062
11.733	0.000	0.89	0.00	0.66	0.9	0.062
11.750	0.000	0.89	0.00	0.66	0.9	0.062
11.767	0.000	0.89	0.00	0.66	0.9	0.062
11.783	0.000	0.89	0.00	0.66	0.9	0.062
11.800	0.000	0.90	0.00	0.66	0.9	0.062
11.817	0.000	0.90	0.00	0.66	0.9	0.062
11.833	0.000	0.90	0.00	0.66	0.9	0.062
11.850	0.000	0.90	0.00	0.66	0.9	0.062
11.867	0.000	0.90	0.00	0.66	0.9	0.062
11.883	0.000	0.90	0.00	0.66	0.9	0.062
11.900	0.000	0.90	0.00	0.66	0.9	0.062
11.917	0.000	0.90	0.00	0.66	0.9	0.062
11.933	0.000	0.91	0.00	0.66	0.9	0.062
11.950	0.000	0.91	0.00	0.66	0.9	0.062
11.967	0.000	0.91	0.00	0.66	0.9	0.062
11.983	0.000	0.91	0.00	0.66	0.9	0.062
12.000	0.000	0.91	0.00	0.66	0.9	0.062
12.017	0.000	0.92	0.00	0.66	0.9	0.062
12.033	0.000	0.92	0.00	0.66	0.9	0.062
12.050	0.000	0.92	0.00	0.66	0.9	0.062
12.067	0.000	0.92	0.00	0.67	0.9	0.062
12.083	0.000	0.92	0.00	0.67	0.9	0.062
12.100	0.000	0.92	0.00	0.67	0.9	0.062
12.117	0.000	0.92	0.00	0.67	0.9	0.062
12.133	0.000	0.92	0.00	0.67	0.9	0.062
12.150	0.000	0.92	0.00	0.67	0.9	0.062
12.167	0.000	0.92	0.00	0.67	0.9	0.062
12.183	0.000	0.92	0.00	0.67	0.9	0.062
12.200	0.000	0.92	0.00	0.67	0.9	0.062
12.217	0.000	0.91	0.00	0.67	0.9	0.062
12.233	0.000	0.91	0.00	0.67	0.9	0.062
12.250	0.000	0.91	0.00	0.67	0.9	0.062
12.267	0.000	0.91	0.00	0.67	0.9	0.062
12.283	0.000	0.91	0.00	0.67	0.9	0.062
12.300	0.000	0.91	0.00	0.67	0.9	0.062
12.317	0.000	0.92	0.00	0.67	0.9	0.062
12.333	0.000	0.92	0.00	0.67	0.9	0.062
12.350	0.000	0.92	0.00	0.67	0.9	0.062
12.367	0.000	0.92	0.00	0.67	0.9	0.062
12.383	0.000	0.93	0.00	0.67	0.9	0.062
12.400	0.000	0.93	0.00	0.67	0.9	0.062
12.417	0.000	0.93	0.00	0.67	0.9	0.062
12.433	0.000	0.94	0.00	0.67	0.9	0.063
12.450	0.000	0.94	0.00	0.67	0.9	0.063
12.467	0.000	0.94	0.00	0.67	0.9	0.063
12.483	0.000	0.94	0.00	0.67	0.9	0.063
12.500	0.000	0.94	0.00	0.67	0.9	0.063
12.517	0.000	0.95	0.00	0.67	0.9	0.063
12.533	0.000	0.95	0.00	0.67	0.9	0.063
12.550	0.000	0.95	0.00	0.67	0.9	0.063
12.567	0.000	0.95	0.00	0.67	0.9	0.063
12.583	0.000	0.95	0.00	0.67	0.9	0.063
12.600	0.000	0.95	0.00	0.67	0.9	0.063
12.617	0.000	0.96	0.00	0.67	0.9	0.063
12.633	0.000	0.96	0.00	0.67	0.9	0.063
12.650	0.000	0.96	0.00	0.67	0.9	0.063
12.667	0.000	0.96	0.00	0.67	0.9	0.063
12.683	0.000	0.96	0.00	0.67	0.9	0.063
12.700	0.000	0.97	0.00	0.67	0.9	0.063
12.717	0.000	0.97	0.00	0.67	0.9	0.063
12.733	0.000	0.97	0.00	0.67	0.9	0.063
12.750	0.000	0.98	0.00	0.67	0.9	0.063
12.767	0.000	0.98	0.00	0.67	0.9	0.063
12.783	0.000	0.98	0.00	0.68	1.0	0.063
12.800	0.000	0.99	0.00	0.68	1.0	0.063
12.817	0.000	0.99	0.00	0.68	1.0	0.063
12.833	0.000	0.99	0.00	0.68	1.0	0.063
12.850	0.000	1.00	0.00	0.68	1.0	0.063

12.867	0.000	1.00	0.00	0.68	1.0	0.063
12.883	0.000	1.00	0.00	0.68	1.0	0.064
12.900	0.000	1.00	0.00	0.68	1.0	0.064
12.917	0.000	1.00	0.00	0.68	1.0	0.064
12.933	0.000	1.01	0.00	0.68	1.0	0.064
12.950	0.000	1.01	0.00	0.68	1.0	0.064
12.967	0.000	1.01	0.00	0.68	1.0	0.064
12.983	0.000	1.01	0.00	0.68	1.0	0.064
13.000	0.000	1.01	0.00	0.68	1.0	0.064
13.017	0.000	1.02	0.00	0.68	1.0	0.064
13.033	0.000	1.02	0.00	0.68	1.0	0.064
13.050	0.000	1.02	0.00	0.68	1.0	0.064
13.067	0.000	1.03	0.00	0.68	1.0	0.064
13.083	0.000	1.03	0.00	0.68	1.0	0.064
13.100	0.000	1.03	0.00	0.68	1.0	0.064
13.117	0.000	1.04	0.00	0.68	1.0	0.064
13.133	0.000	1.04	0.00	0.68	1.0	0.064
13.150	0.000	1.05	0.00	0.69	1.0	0.064
13.167	0.000	1.05	0.00	0.69	1.0	0.064
13.183	0.000	1.05	0.00	0.69	1.0	0.064
13.200	0.000	1.06	0.00	0.69	1.0	0.064
13.217	0.000	1.06	0.00	0.69	1.0	0.064
13.233	0.000	1.06	0.00	0.69	1.0	0.065
13.250	0.000	1.07	0.00	0.69	1.0	0.065
13.267	0.000	1.07	0.00	0.69	1.0	0.065
13.283	0.000	1.07	0.00	0.69	1.0	0.065
13.300	0.000	1.07	0.00	0.69	1.0	0.065
13.317	0.000	1.07	0.00	0.69	1.0	0.065
13.333	0.000	1.08	0.00	0.69	1.0	0.065
13.350	0.000	1.08	0.00	0.69	1.0	0.065
13.367	0.000	1.08	0.00	0.69	1.0	0.065
13.383	0.000	1.08	0.00	0.69	1.0	0.065
13.400	0.000	1.09	0.00	0.69	1.0	0.065
13.417	0.000	1.09	0.00	0.69	1.1	0.065
13.433	0.000	1.10	0.00	0.69	1.1	0.065
13.450	0.000	1.10	0.00	0.69	1.1	0.065
13.467	0.000	1.11	0.00	0.70	1.1	0.065
13.483	0.000	1.11	0.00	0.70	1.1	0.065
13.500	0.000	1.11	0.00	0.70	1.1	0.065
13.517	0.000	1.12	0.00	0.70	1.1	0.066
13.533	0.000	1.12	0.00	0.70	1.1	0.066
13.550	0.000	1.13	0.00	0.70	1.1	0.066
13.567	0.000	1.13	0.00	0.70	1.1	0.066
13.583	0.000	1.14	0.00	0.70	1.1	0.066
13.600	0.000	1.14	0.00	0.70	1.1	0.066
13.617	0.000	1.15	0.00	0.70	1.1	0.066
13.633	0.000	1.15	0.00	0.70	1.1	0.066
13.650	0.000	1.15	0.00	0.70	1.1	0.066
13.667	0.000	1.15	0.00	0.70	1.1	0.066
13.683	0.000	1.16	0.00	0.70	1.1	0.066
13.700	0.000	1.16	0.00	0.70	1.1	0.066
13.717	0.000	1.16	0.00	0.71	1.1	0.066
13.733	0.000	1.16	0.00	0.71	1.1	0.066
13.750	0.000	1.17	0.00	0.71	1.1	0.066
13.767	0.000	1.17	0.00	0.71	1.1	0.067
13.783	0.000	1.17	0.00	0.71	1.1	0.067
13.800	0.000	1.18	0.00	0.71	1.1	0.067
13.817	0.000	1.19	0.00	0.71	1.1	0.067
13.833	0.000	1.19	0.00	0.71	1.1	0.067
13.850	0.000	1.20	0.00	0.71	1.1	0.067
13.867	0.000	1.21	0.00	0.71	1.1	0.067
13.883	0.000	1.21	0.00	0.71	1.2	0.067
13.900	0.000	1.22	0.00	0.71	1.2	0.067
13.917	0.000	1.22	0.00	0.71	1.2	0.067
13.933	0.000	1.23	0.00	0.71	1.2	0.067
13.950	0.000	1.24	0.00	0.72	1.2	0.067
13.967	0.000	1.24	0.00	0.72	1.2	0.068
13.983	0.000	1.24	0.00	0.72	1.2	0.068
14.000	0.000	1.25	0.00	0.72	1.2	0.068
14.017	0.000	1.25	0.00	0.72	1.2	0.068
14.033	0.000	1.25	0.00	0.72	1.2	0.068
14.050	0.000	1.25	0.00	0.72	1.2	0.068
14.067	0.000	1.26	0.00	0.72	1.2	0.068
14.083	0.000	1.26	0.00	0.72	1.2	0.068
14.100	0.000	1.26	0.00	0.72	1.2	0.068
14.117	0.000	1.26	0.00	0.72	1.2	0.068
14.133	0.000	1.27	0.00	0.72	1.2	0.068
14.150	0.000	1.27	0.00	0.72	1.2	0.068
14.167	0.000	1.27	0.00	0.73	1.2	0.068
14.183	0.000	1.27	0.00	0.73	1.2	0.069
14.200	0.000	1.27	0.00	0.73	1.2	0.069
14.217	0.000	1.27	0.00	0.73	1.2	0.069
14.233	0.000	1.27	0.00	0.73	1.2	0.069
14.250	0.000	1.27	0.00	0.73	1.2	0.069
14.267	0.000	1.28	0.00	0.73	1.2	0.069
14.283	0.000	1.28	0.00	0.73	1.2	0.069
14.300	0.000	1.28	0.00	0.73	1.2	0.069
14.317	0.000	1.28	0.00	0.73	1.2	0.069
14.333	0.000	1.28	0.00	0.73	1.2	0.069
14.350	0.000	1.28	0.00	0.73	1.3	0.069
14.367	0.000	1.29	0.00	0.73	1.3	0.069
14.383	0.000	1.29	0.00	0.73	1.3	0.069
14.400	0.000	1.30	0.00	0.73	1.3	0.069
14.417	0.000	1.30	0.00	0.73	1.3	0.069
14.433	0.000	1.31	0.00	0.73	1.3	0.069
14.450	0.000	1.31	0.00	0.73	1.3	0.069
14.467	0.000	1.32	0.00	0.73	1.3	0.069
14.483	0.000	1.32	0.00	0.74	1.3	0.069
14.500	0.000	1.33	0.00	0.74	1.3	0.070
14.517	0.000	1.33	0.00	0.74	1.3	0.070
14.533	0.000	1.34	0.00	0.74	1.3	0.070
14.550	0.000	1.35	0.00	0.74	1.3	0.070
14.567	0.000	1.36	0.00	0.74	1.3	0.070
14.583	0.000	1.37	0.00	0.74	1.3	0.070
14.600	0.000	1.39	0.00	0.74	1.3	0.070
14.617	0.000	1.40	0.00	0.74	1.3	0.070
14.633	0.000	1.41	0.00	0.74	1.3	0.070
14.650	0.000	1.42	0.00	0.74	1.3	0.070
14.667	0.000	1.43	0.00	0.75	1.3	0.071
14.683	0.000	1.44	0.00	0.75	1.3	0.071
14.700	0.000	1.45	0.00	0.75	1.3	0.071
14.717	0.000	1.46	0.00	0.75	1.4	0.071
14.733	0.000	1.47	0.00	0.75	1.4	0.071
14.750	0.000	1.47	0.00	0.75	1.4	0.071
14.767	0.000	1.48	0.00	0.75	1.4	0.071
14.783	0.000	1.49	0.00	0.76	1.4	0.072
14.800	0.000	1.49	0.00	0.76	1.4	0.072
14.817	0.000	1.50	0.00	0.76	1.4	0.072

14.833	0.000	1.51	0.00	0.76	1.4	0.072
14.850	0.000	1.51	0.00	0.76	1.4	0.072
14.867	0.000	1.52	0.00	0.76	1.4	0.072
14.883	0.000	1.53	0.00	0.76	1.4	0.072
14.900	0.000	1.54	0.00	0.77	1.4	0.073
14.917	0.000	1.56	0.00	0.77	1.4	0.073
14.933	0.000	1.58	0.00	0.77	1.5	0.073
14.950	0.000	1.59	0.00	0.77	1.5	0.073
14.967	0.000	1.61	0.00	0.77	1.5	0.073
14.983	0.000	1.63	0.00	0.77	1.5	0.074
15.000	0.000	1.64	0.00	0.78	1.5	0.074
15.017	0.000	1.66	0.00	0.78	1.5	0.074
15.033	0.000	1.68	0.00	0.78	1.5	0.074
15.050	0.000	1.70	0.00	0.78	1.5	0.074
15.067	0.000	1.71	0.00	0.79	1.5	0.075
15.083	0.000	1.73	0.00	0.79	1.6	0.075
15.100	0.000	1.74	0.00	0.79	1.6	0.075
15.117	0.000	1.75	0.00	0.79	1.6	0.075
15.133	0.000	1.76	0.00	0.79	1.6	0.076
15.150	0.000	1.77	0.00	0.80	1.6	0.076
15.167	0.000	1.78	0.00	0.80	1.6	0.076
15.183	0.000	1.79	0.00	0.80	1.6	0.076
15.200	0.000	1.81	0.00	0.80	1.6	0.077
15.217	0.000	1.82	0.00	0.81	1.6	0.077
15.233	0.000	1.83	0.00	0.81	1.7	0.077
15.250	0.000	1.84	0.00	0.81	1.7	0.077
15.267	0.000	1.86	0.00	0.81	1.7	0.077
15.283	0.000	1.92	0.00	0.82	1.7	0.078
15.300	0.000	1.98	0.00	0.82	1.7	0.078
15.317	0.000	2.04	0.00	0.82	1.7	0.079
15.333	0.000	2.11	0.00	0.83	1.8	0.079
15.350	0.000	2.17	0.00	0.83	1.8	0.080
15.367	0.000	2.23	0.00	0.84	1.8	0.080
15.383	0.000	2.29	0.00	0.84	1.8	0.081
15.400	0.000	2.35	0.00	0.85	1.9	0.081
15.417	0.000	2.41	0.00	0.86	1.9	0.082
15.433	0.000	2.47	0.00	0.86	1.9	0.083
15.450	0.000	2.54	0.00	0.87	2.0	0.084
15.467	0.000	2.62	0.00	0.88	2.0	0.084
15.483	0.000	2.70	0.00	0.89	2.1	0.085
15.500	0.000	2.79	0.00	0.90	2.1	0.086
15.517	0.000	2.87	0.00	0.91	2.2	0.087
15.533	0.000	2.95	0.00	0.92	2.2	0.088
15.550	0.000	3.04	0.00	0.93	2.3	0.089
15.567	0.000	3.12	0.00	0.94	2.3	0.090
15.583	0.000	3.20	0.00	0.95	2.4	0.091
15.600	0.000	3.29	0.00	0.96	2.4	0.093
15.617	0.000	3.37	0.00	0.97	2.5	0.094
15.633	0.000	3.45	0.00	0.98	2.6	0.095
15.650	0.000	3.53	0.00	0.99	2.6	0.096
15.667	0.000	3.60	0.00	1.00	2.7	0.098
15.683	0.000	3.67	0.00	1.01	2.7	0.099
15.700	0.000	3.74	0.00	1.03	2.7	0.100
15.717	0.000	3.82	0.00	1.04	2.8	0.102
15.733	0.000	3.89	0.00	1.05	2.8	0.103
15.750	0.000	3.96	0.00	1.06	2.8	0.105
15.767	0.000	4.03	0.00	1.08	2.8	0.106
15.783	0.000	4.10	0.00	1.09	2.9	0.108
15.800	0.000	4.18	0.00	1.10	2.9	0.110
15.817	0.000	4.25	0.00	1.12	2.9	0.112
15.833	0.000	4.34	0.00	1.13	3.0	0.114
15.850	0.000	4.45	0.00	1.15	3.0	0.116
15.867	0.000	4.56	0.00	1.17	3.0	0.118
15.883	0.000	4.67	0.00	1.18	3.1	0.120
15.900	0.000	4.77	0.00	1.20	3.1	0.122
15.917	0.000	4.88	0.00	1.22	3.1	0.125
15.933	0.000	4.99	0.00	1.24	3.2	0.127
15.950	0.000	5.10	0.00	1.26	3.2	0.130
15.967	0.000	5.20	0.00	1.28	3.3	0.132
15.983	0.000	5.31	0.00	1.30	3.3	0.135
16.000	0.000	5.42	0.00	1.33	3.4	0.138
16.017	0.000	5.80	0.00	1.35	3.4	0.141
16.033	0.000	6.46	0.00	1.39	3.5	0.145
16.050	0.000	7.11	0.00	1.43	3.6	0.150
16.067	0.000	7.77	0.00	1.47	3.6	0.156
16.083	0.000	8.42	0.00	1.52	3.7	0.162
16.100	0.000	9.08	0.00	1.58	3.9	0.169
16.117	0.000	9.73	0.00	1.64	4.0	0.177
16.133	0.000	10.39	0.00	1.71	4.1	0.186
16.150	0.000	11.04	0.00	1.79	4.3	0.195
16.167	0.000	11.70	0.00	1.87	4.4	0.205
16.183	0.000	12.35	0.00	1.95	4.6	0.216
16.200	0.000	12.80	0.00	2.03	4.8	0.227
16.217	0.000	11.75	0.00	2.09	4.9	0.237
16.233	0.000	10.96	0.00	2.14	5.0	0.245
16.250	0.000	10.17	0.00	2.19	5.0	0.252
16.267	0.000	9.37	0.00	2.23	5.1	0.258
16.283	0.000	8.58	0.00	2.26	5.1	0.263
16.300	0.000	7.79	0.00	2.28	5.1	0.266
16.317	0.000	6.99	0.00	2.30	5.2	0.269
16.333	0.000	6.20	0.00	2.30	5.2	0.270
16.350	0.000	5.41	0.00	2.31	5.2	0.270
16.367	0.000	4.62	0.00	2.30	5.2	0.270
16.383	0.000	3.95	0.00	2.29	5.2	0.268
16.400	0.000	3.74	0.00	2.28	5.2	0.266
16.417	0.000	3.56	0.00	2.26	5.2	0.264
16.433	0.000	3.39	0.00	2.25	5.1	0.261
16.450	0.000	3.22	0.00	2.23	5.1	0.259
16.467	0.000	3.05	0.00	2.21	5.1	0.256
16.483	0.000	2.87	0.00	2.20	5.1	0.253
16.500	0.000	2.70	0.00	2.18	5.0	0.250
16.517	0.000	2.53	0.00	2.15	5.0	0.246
16.533	0.000	2.35	0.00	2.13	5.0	0.243
16.550	0.000	2.18	0.00	2.11	5.0	0.239
16.567	0.000	2.02	0.00	2.08	4.9	0.235
16.583	0.000	1.97	0.00	2.06	4.9	0.231
16.600	0.000	1.93	0.00	2.03	4.9	0.227
16.617	0.000	1.90	0.00	2.00	4.8	0.223
16.633	0.000	1.87	0.00	1.97	4.8	0.219
16.650	0.000	1.83	0.00	1.94	4.7	0.215
16.667	0.000	1.80	0.00	1.91	4.6	0.211
16.683	0.000	1.76	0.00	1.88	4.6	0.207
16.700	0.000	1.73	0.00	1.85	4.5	0.203
16.717	0.000	1.70	0.00	1.82	4.5	0.199
16.733	0.000	1.66	0.00	1.79	4.4	0.196
16.750	0.000	1.63	0.00	1.76	4.3	0.192
16.767	0.000	1.60	0.00	1.73	4.3	0.188
16.783	0.000	1.58	0.00	1.70	4.2	0.185

16.800	0.000	1.56	0.00	1.67	4.1	0.181
16.817	0.000	1.54	0.00	1.64	4.1	0.178
16.833	0.000	1.52	0.00	1.62	4.0	0.174
16.850	0.000	1.50	0.00	1.59	4.0	0.171
16.867	0.000	1.48	0.00	1.56	3.9	0.167
16.883	0.000	1.46	0.00	1.54	3.9	0.164
16.900	0.000	1.44	0.00	1.51	3.8	0.161
16.917	0.000	1.42	0.00	1.48	3.7	0.158
16.933	0.000	1.40	0.00	1.46	3.7	0.154
16.950	0.000	1.38	0.00	1.43	3.6	0.151
16.967	0.000	1.37	0.00	1.41	3.6	0.148
16.983	0.000	1.35	0.00	1.39	3.5	0.145
17.000	0.000	1.34	0.00	1.36	3.5	0.142
17.017	0.000	1.32	0.00	1.34	3.4	0.139
17.033	0.000	1.31	0.00	1.32	3.4	0.137
17.050	0.000	1.30	0.00	1.29	3.3	0.134
17.067	0.000	1.28	0.00	1.27	3.3	0.131
17.083	0.000	1.27	0.00	1.25	3.2	0.128
17.100	0.000	1.25	0.00	1.23	3.2	0.126
17.117	0.000	1.24	0.00	1.21	3.2	0.123
17.133	0.000	1.23	0.00	1.19	3.1	0.120
17.150	0.000	1.23	0.00	1.17	3.1	0.118
17.167	0.000	1.23	0.00	1.15	3.0	0.115
17.183	0.000	1.22	0.00	1.13	3.0	0.113
17.200	0.000	1.22	0.00	1.11	2.9	0.110
17.217	0.000	1.22	0.00	1.09	2.9	0.108
17.233	0.000	1.22	0.00	1.07	2.9	0.106
17.250	0.000	1.21	0.00	1.05	2.8	0.104
17.267	0.000	1.21	0.00	1.04	2.8	0.101
17.283	0.000	1.21	0.00	1.02	2.8	0.099
17.300	0.000	1.21	0.00	1.00	2.7	0.097
17.317	0.000	1.20	0.00	0.98	2.7	0.095
17.333	0.000	1.19	0.00	0.97	2.6	0.093
17.350	0.000	1.18	0.00	0.95	2.5	0.092
17.367	0.000	1.18	0.00	0.93	2.4	0.090
17.383	0.000	1.17	0.00	0.92	2.3	0.088
17.400	0.000	1.16	0.00	0.90	2.2	0.087
17.417	0.000	1.15	0.00	0.89	2.1	0.086
17.433	0.000	1.14	0.00	0.88	2.1	0.084
17.450	0.000	1.14	0.00	0.87	2.0	0.083
17.467	0.000	1.13	0.00	0.86	2.0	0.082
17.483	0.000	1.12	0.00	0.85	1.9	0.081
17.500	0.000	1.11	0.00	0.84	1.8	0.080
17.517	0.000	1.10	0.00	0.83	1.8	0.079
17.533	0.000	1.10	0.00	0.82	1.7	0.078
17.550	0.000	1.09	0.00	0.81	1.7	0.077
17.567	0.000	1.09	0.00	0.80	1.7	0.076
17.583	0.000	1.08	0.00	0.80	1.6	0.076
17.600	0.000	1.07	0.00	0.79	1.6	0.075
17.617	0.000	1.07	0.00	0.78	1.5	0.074
17.633	0.000	1.06	0.00	0.78	1.5	0.074
17.650	0.000	1.05	0.00	0.77	1.5	0.073
17.667	0.000	1.05	0.00	0.76	1.5	0.073
17.683	0.000	1.04	0.00	0.76	1.4	0.072
17.700	0.000	1.03	0.00	0.76	1.4	0.072
17.717	0.000	1.03	0.00	0.75	1.4	0.071
17.733	0.000	1.02	0.00	0.75	1.3	0.071
17.750	0.000	1.02	0.00	0.74	1.3	0.070
17.767	0.000	1.01	0.00	0.74	1.3	0.070
17.783	0.000	1.01	0.00	0.73	1.3	0.069
17.800	0.000	1.00	0.00	0.73	1.3	0.069
17.817	0.000	1.00	0.00	0.73	1.2	0.069
17.833	0.000	0.99	0.00	0.72	1.2	0.068
17.850	0.000	0.98	0.00	0.72	1.2	0.068
17.867	0.000	0.98	0.00	0.72	1.2	0.068
17.883	0.000	0.97	0.00	0.72	1.2	0.067
17.900	0.000	0.97	0.00	0.71	1.2	0.067
17.917	0.000	0.96	0.00	0.71	1.2	0.067
17.933	0.000	0.96	0.00	0.71	1.1	0.067
17.950	0.000	0.96	0.00	0.71	1.1	0.066
17.967	0.000	0.95	0.00	0.70	1.1	0.066
17.983	0.000	0.95	0.00	0.70	1.1	0.066
18.000	0.000	0.94	0.00	0.70	1.1	0.066
18.017	0.000	0.94	0.00	0.70	1.1	0.066
18.033	0.000	0.93	0.00	0.70	1.1	0.065
18.050	0.000	0.93	0.00	0.69	1.1	0.065
18.067	0.000	0.92	0.00	0.69	1.1	0.065
18.083	0.000	0.92	0.00	0.69	1.0	0.065
18.100	0.000	0.92	0.00	0.69	1.0	0.065
18.117	0.000	0.92	0.00	0.69	1.0	0.065
18.133	0.000	0.92	0.00	0.69	1.0	0.064
18.150	0.000	0.92	0.00	0.69	1.0	0.064
18.167	0.000	0.92	0.00	0.68	1.0	0.064
18.183	0.000	0.92	0.00	0.68	1.0	0.064
18.200	0.000	0.92	0.00	0.68	1.0	0.064
18.217	0.000	0.92	0.00	0.68	1.0	0.064
18.233	0.000	0.92	0.00	0.68	1.0	0.064
18.250	0.000	0.92	0.00	0.68	1.0	0.064
18.267	0.000	0.91	0.00	0.68	1.0	0.064
18.283	0.000	0.91	0.00	0.68	1.0	0.064
18.300	0.000	0.91	0.00	0.68	1.0	0.063
18.317	0.000	0.90	0.00	0.68	1.0	0.063
18.333	0.000	0.90	0.00	0.68	1.0	0.063
18.350	0.000	0.89	0.00	0.67	1.0	0.063
18.367	0.000	0.89	0.00	0.67	0.9	0.063
18.383	0.000	0.89	0.00	0.67	0.9	0.063
18.400	0.000	0.88	0.00	0.67	0.9	0.063
18.417	0.000	0.88	0.00	0.67	0.9	0.063
18.433	0.000	0.88	0.00	0.67	0.9	0.063
18.450	0.000	0.87	0.00	0.67	0.9	0.063
18.467	0.000	0.87	0.00	0.67	0.9	0.063
18.483	0.000	0.87	0.00	0.67	0.9	0.063
18.500	0.000	0.87	0.00	0.67	0.9	0.063
18.517	0.000	0.86	0.00	0.67	0.9	0.062
18.533	0.000	0.86	0.00	0.67	0.9	0.062
18.550	0.000	0.86	0.00	0.67	0.9	0.062
18.567	0.000	0.85	0.00	0.67	0.9	0.062
18.583	0.000	0.85	0.00	0.66	0.9	0.062
18.600	0.000	0.85	0.00	0.66	0.9	0.062
18.617	0.000	0.84	0.00	0.66	0.9	0.062
18.633	0.000	0.84	0.00	0.66	0.9	0.062
18.650	0.000	0.84	0.00	0.66	0.9	0.062
18.667	0.000	0.84	0.00	0.66	0.9	0.062
18.683	0.000	0.83	0.00	0.66	0.9	0.062
18.700	0.000	0.83	0.00	0.66	0.9	0.062
18.717	0.000	0.83	0.00	0.66	0.9	0.062
18.733	0.000	0.82	0.00	0.66	0.9	0.062
18.750	0.000	0.82	0.00	0.66	0.9	0.062

18.767	0.000	0.82	0.00	0.66	0.9	0.061
18.783	0.000	0.82	0.00	0.66	0.9	0.061
18.800	0.000	0.81	0.00	0.66	0.9	0.061
18.817	0.000	0.81	0.00	0.66	0.9	0.061
18.833	0.000	0.81	0.00	0.66	0.9	0.061
18.850	0.000	0.81	0.00	0.66	0.8	0.061
18.867	0.000	0.80	0.00	0.65	0.8	0.061
18.883	0.000	0.80	0.00	0.65	0.8	0.061
18.900	0.000	0.80	0.00	0.65	0.8	0.061
18.917	0.000	0.80	0.00	0.65	0.8	0.061
18.933	0.000	0.79	0.00	0.65	0.8	0.061
18.950	0.000	0.79	0.00	0.65	0.8	0.061
18.967	0.000	0.79	0.00	0.65	0.8	0.061
18.983	0.000	0.79	0.00	0.65	0.8	0.061
19.000	0.000	0.78	0.00	0.65	0.8	0.061
19.017	0.000	0.78	0.00	0.65	0.8	0.061
19.033	0.000	0.78	0.00	0.65	0.8	0.061
19.050	0.000	0.78	0.00	0.65	0.8	0.061
19.067	0.000	0.78	0.00	0.65	0.8	0.060
19.083	0.000	0.77	0.00	0.65	0.8	0.060
19.100	0.000	0.77	0.00	0.65	0.8	0.060
19.117	0.000	0.77	0.00	0.65	0.8	0.060
19.133	0.000	0.77	0.00	0.65	0.8	0.060
19.150	0.000	0.76	0.00	0.65	0.8	0.060
19.167	0.000	0.76	0.00	0.65	0.8	0.060
19.183	0.000	0.76	0.00	0.65	0.8	0.060
19.200	0.000	0.76	0.00	0.64	0.8	0.060
19.217	0.000	0.76	0.00	0.64	0.8	0.060
19.233	0.000	0.75	0.00	0.64	0.8	0.060
19.250	0.000	0.75	0.00	0.64	0.8	0.060
19.267	0.000	0.75	0.00	0.64	0.8	0.060
19.283	0.000	0.75	0.00	0.64	0.8	0.060
19.300	0.000	0.75	0.00	0.64	0.8	0.060
19.317	0.000	0.74	0.00	0.64	0.8	0.060
19.333	0.000	0.74	0.00	0.64	0.8	0.060
19.350	0.000	0.74	0.00	0.64	0.8	0.060
19.367	0.000	0.74	0.00	0.64	0.8	0.060
19.383	0.000	0.74	0.00	0.64	0.8	0.060
19.400	0.000	0.73	0.00	0.64	0.8	0.060
19.417	0.000	0.73	0.00	0.64	0.8	0.059
19.433	0.000	0.73	0.00	0.64	0.8	0.059
19.450	0.000	0.73	0.00	0.64	0.8	0.059
19.467	0.000	0.73	0.00	0.64	0.8	0.059
19.483	0.000	0.72	0.00	0.64	0.8	0.059
19.500	0.000	0.72	0.00	0.64	0.8	0.059
19.517	0.000	0.72	0.00	0.64	0.7	0.059
19.533	0.000	0.72	0.00	0.64	0.7	0.059
19.550	0.000	0.72	0.00	0.64	0.7	0.059
19.567	0.000	0.71	0.00	0.64	0.7	0.059
19.583	0.000	0.71	0.00	0.64	0.7	0.059
19.600	0.000	0.71	0.00	0.64	0.7	0.059
19.617	0.000	0.71	0.00	0.63	0.7	0.059
19.633	0.000	0.71	0.00	0.63	0.7	0.059
19.650	0.000	0.71	0.00	0.63	0.7	0.059
19.667	0.000	0.70	0.00	0.63	0.7	0.059
19.683	0.000	0.70	0.00	0.63	0.7	0.059
19.700	0.000	0.70	0.00	0.63	0.7	0.059
19.717	0.000	0.70	0.00	0.63	0.7	0.059
19.733	0.000	0.70	0.00	0.63	0.7	0.059
19.750	0.000	0.70	0.00	0.63	0.7	0.059
19.767	0.000	0.69	0.00	0.63	0.7	0.059
19.783	0.000	0.69	0.00	0.63	0.7	0.059
19.800	0.000	0.69	0.00	0.63	0.7	0.059
19.817	0.000	0.69	0.00	0.63	0.7	0.059
19.833	0.000	0.69	0.00	0.63	0.7	0.059
19.850	0.000	0.69	0.00	0.63	0.7	0.059
19.867	0.000	0.69	0.00	0.63	0.7	0.058
19.883	0.000	0.68	0.00	0.63	0.7	0.058
19.900	0.000	0.68	0.00	0.63	0.7	0.058
19.917	0.000	0.68	0.00	0.63	0.7	0.058
19.933	0.000	0.68	0.00	0.63	0.7	0.058
19.950	0.000	0.68	0.00	0.63	0.7	0.058
19.967	0.000	0.68	0.00	0.63	0.7	0.058
19.983	0.000	0.67	0.00	0.63	0.7	0.058
20.000	0.000	0.67	0.00	0.63	0.7	0.058
20.017	0.000	0.67	0.00	0.63	0.7	0.058
20.033	0.000	0.67	0.00	0.63	0.7	0.058
20.050	0.000	0.67	0.00	0.63	0.7	0.058
20.067	0.000	0.67	0.00	0.63	0.7	0.058
20.083	0.000	0.67	0.00	0.63	0.7	0.058
20.100	0.000	0.66	0.00	0.63	0.7	0.058
20.117	0.000	0.66	0.00	0.63	0.7	0.058
20.133	0.000	0.66	0.00	0.62	0.7	0.058
20.150	0.000	0.66	0.00	0.62	0.7	0.058
20.167	0.000	0.66	0.00	0.62	0.7	0.058
20.183	0.000	0.66	0.00	0.62	0.7	0.058
20.200	0.000	0.66	0.00	0.62	0.7	0.058
20.217	0.000	0.65	0.00	0.62	0.7	0.058
20.233	0.000	0.65	0.00	0.62	0.7	0.058
20.250	0.000	0.65	0.00	0.62	0.7	0.058
20.267	0.000	0.65	0.00	0.62	0.7	0.058
20.283	0.000	0.65	0.00	0.62	0.7	0.058
20.300	0.000	0.65	0.00	0.62	0.7	0.058
20.317	0.000	0.65	0.00	0.62	0.7	0.058
20.333	0.000	0.65	0.00	0.62	0.7	0.058
20.350	0.000	0.64	0.00	0.62	0.7	0.058
20.367	0.000	0.64	0.00	0.62	0.7	0.058
20.383	0.000	0.64	0.00	0.62	0.7	0.058
20.400	0.000	0.64	0.00	0.62	0.7	0.058
20.417	0.000	0.64	0.00	0.62	0.7	0.058
20.433	0.000	0.64	0.00	0.62	0.7	0.057
20.450	0.000	0.64	0.00	0.62	0.7	0.057
20.467	0.000	0.63	0.00	0.62	0.7	0.057
20.483	0.000	0.63	0.00	0.62	0.7	0.057
20.500	0.000	0.63	0.00	0.62	0.7	0.057
20.517	0.000	0.63	0.00	0.62	0.6	0.057
20.533	0.000	0.63	0.00	0.62	0.6	0.057
20.550	0.000	0.63	0.00	0.62	0.6	0.057
20.567	0.000	0.63	0.00	0.62	0.6	0.057
20.583	0.000	0.63	0.00	0.62	0.6	0.057
20.600	0.000	0.63	0.00	0.62	0.6	0.057
20.617	0.000	0.62	0.00	0.62	0.6	0.057
20.633	0.000	0.62	0.00	0.62	0.6	0.057
20.650	0.000	0.62	0.00	0.62	0.6	0.057
20.667	0.000	0.62	0.00	0.62	0.6	0.057
20.683	0.000	0.62	0.00	0.62	0.6	0.057
20.700	0.000	0.62	0.00	0.62	0.6	0.057
20.717	0.000	0.62	0.00	0.62	0.6	0.057

20.733	0.000	0.62	0.00	0.62	0.6	0.057
20.750	0.000	0.61	0.00	0.62	0.6	0.057
20.767	0.000	0.61	0.00	0.62	0.6	0.057
20.783	0.000	0.61	0.00	0.61	0.6	0.057
20.800	0.000	0.61	0.00	0.61	0.6	0.057
20.817	0.000	0.61	0.00	0.61	0.6	0.057
20.833	0.000	0.61	0.00	0.61	0.6	0.057
20.850	0.000	0.61	0.00	0.61	0.6	0.057
20.867	0.000	0.61	0.00	0.61	0.6	0.057
20.883	0.000	0.61	0.00	0.61	0.6	0.057
20.900	0.000	0.60	0.00	0.61	0.6	0.057
20.917	0.000	0.60	0.00	0.61	0.6	0.057
20.933	0.000	0.60	0.00	0.61	0.6	0.057
20.950	0.000	0.60	0.00	0.61	0.6	0.057
20.967	0.000	0.60	0.00	0.61	0.6	0.057
20.983	0.000	0.60	0.00	0.61	0.6	0.057
21.000	0.000	0.60	0.00	0.61	0.6	0.057
21.017	0.000	0.60	0.00	0.61	0.6	0.057
21.033	0.000	0.60	0.00	0.61	0.6	0.057
21.050	0.000	0.60	0.00	0.61	0.6	0.057
21.067	0.000	0.59	0.00	0.61	0.6	0.057
21.083	0.000	0.59	0.00	0.61	0.6	0.057
21.100	0.000	0.59	0.00	0.61	0.6	0.057
21.117	0.000	0.59	0.00	0.61	0.6	0.057
21.133	0.000	0.59	0.00	0.61	0.6	0.056
21.150	0.000	0.59	0.00	0.61	0.6	0.056
21.167	0.000	0.59	0.00	0.61	0.6	0.056
21.183	0.000	0.59	0.00	0.61	0.6	0.056
21.200	0.000	0.59	0.00	0.61	0.6	0.056
21.217	0.000	0.59	0.00	0.61	0.6	0.056
21.233	0.000	0.58	0.00	0.61	0.6	0.056
21.250	0.000	0.58	0.00	0.61	0.6	0.056
21.267	0.000	0.58	0.00	0.61	0.6	0.056
21.283	0.000	0.58	0.00	0.61	0.6	0.056
21.300	0.000	0.58	0.00	0.61	0.6	0.056
21.317	0.000	0.58	0.00	0.61	0.6	0.056
21.333	0.000	0.58	0.00	0.61	0.6	0.056
21.350	0.000	0.58	0.00	0.61	0.6	0.056
21.367	0.000	0.58	0.00	0.61	0.6	0.056
21.383	0.000	0.58	0.00	0.61	0.6	0.056
21.400	0.000	0.57	0.00	0.61	0.6	0.056
21.417	0.000	0.57	0.00	0.61	0.6	0.056
21.433	0.000	0.57	0.00	0.61	0.6	0.056
21.450	0.000	0.57	0.00	0.61	0.6	0.056
21.467	0.000	0.57	0.00	0.61	0.6	0.056
21.483	0.000	0.57	0.00	0.61	0.6	0.056
21.500	0.000	0.57	0.00	0.61	0.6	0.056
21.517	0.000	0.57	0.00	0.61	0.6	0.056
21.533	0.000	0.57	0.00	0.61	0.6	0.056
21.550	0.000	0.57	0.00	0.61	0.6	0.056
21.567	0.000	0.57	0.00	0.61	0.6	0.056
21.583	0.000	0.56	0.00	0.61	0.6	0.056
21.600	0.000	0.56	0.00	0.61	0.6	0.056
21.617	0.000	0.56	0.00	0.61	0.6	0.056
21.633	0.000	0.56	0.00	0.60	0.6	0.056
21.650	0.000	0.56	0.00	0.60	0.6	0.056
21.667	0.000	0.56	0.00	0.60	0.6	0.056
21.683	0.000	0.56	0.00	0.60	0.6	0.056
21.700	0.000	0.56	0.00	0.60	0.6	0.056

21.717	0.000	0.56	0.00	0.60	0.6	0.056
21.733	0.000	0.56	0.00	0.60	0.6	0.056
21.750	0.000	0.56	0.00	0.60	0.6	0.056
21.767	0.000	0.56	0.00	0.60	0.6	0.056
21.783	0.000	0.55	0.00	0.60	0.6	0.056
21.800	0.000	0.55	0.00	0.60	0.6	0.056
21.817	0.000	0.55	0.00	0.60	0.6	0.056
21.833	0.000	0.55	0.00	0.60	0.6	0.056
21.850	0.000	0.55	0.00	0.60	0.6	0.056
21.867	0.000	0.55	0.00	0.60	0.6	0.056
21.883	0.000	0.55	0.00	0.60	0.6	0.056
21.900	0.000	0.55	0.00	0.60	0.6	0.056
21.917	0.000	0.55	0.00	0.60	0.6	0.056
21.933	0.000	0.55	0.00	0.60	0.6	0.056
21.950	0.000	0.55	0.00	0.60	0.6	0.056
21.967	0.000	0.55	0.00	0.60	0.6	0.056
21.983	0.000	0.54	0.00	0.60	0.6	0.056
22.000	0.000	0.54	0.00	0.60	0.6	0.056
22.017	0.000	0.54	0.00	0.60	0.6	0.056
22.033	0.000	0.54	0.00	0.60	0.6	0.055
22.050	0.000	0.54	0.00	0.60	0.6	0.055
22.067	0.000	0.54	0.00	0.60	0.6	0.055
22.083	0.000	0.54	0.00	0.60	0.6	0.055
22.100	0.000	0.54	0.00	0.60	0.6	0.055
22.117	0.000	0.54	0.00	0.60	0.6	0.055
22.133	0.000	0.54	0.00	0.60	0.5	0.055
22.150	0.000	0.54	0.00	0.60	0.5	0.055
22.167	0.000	0.54	0.00	0.60	0.5	0.055
22.183	0.000	0.54	0.00	0.60	0.5	0.055
22.200	0.000	0.53	0.00	0.60	0.5	0.055
22.216	0.000	0.53	0.00	0.60	0.5	0.055
22.233	0.000	0.53	0.00	0.60	0.5	0.055
22.250	0.000	0.53	0.00	0.60	0.5	0.055
22.266	0.000	0.53	0.00	0.60	0.5	0.055
22.283	0.000	0.53	0.00	0.60	0.5	0.055
22.300	0.000	0.53	0.00	0.60	0.5	0.055
22.316	0.000	0.53	0.00	0.60	0.5	0.055
22.333	0.000	0.53	0.00	0.60	0.5	0.055
22.350	0.000	0.53	0.00	0.60	0.5	0.055
22.366	0.000	0.53	0.00	0.60	0.5	0.055
22.383	0.000	0.53	0.00	0.60	0.5	0.055
22.400	0.000	0.53	0.00	0.60	0.5	0.055
22.416	0.000	0.53	0.00	0.60	0.5	0.055
22.433	0.000	0.52	0.00	0.60	0.5	0.055
22.450	0.000	0.52	0.00	0.60	0.5	0.055
22.466	0.000	0.52	0.00	0.60	0.5	0.055
22.483	0.000	0.52	0.00	0.60	0.5	0.055
22.500	0.000	0.52	0.00	0.60	0.5	0.055
22.516	0.000	0.52	0.00	0.60	0.5	0.055
22.533	0.000	0.52	0.00	0.60	0.5	0.055
22.550	0.000	0.52	0.00	0.60	0.5	0.055
22.566	0.000	0.52	0.00	0.60	0.5	0.055
22.583	0.000	0.52	0.00	0.60	0.5	0.055
22.600	0.000	0.52	0.00	0.60	0.5	0.055
22.616	0.000	0.52	0.00	0.60	0.5	0.055
22.633	0.000	0.52	0.00	0.60	0.5	0.055
22.650	0.000	0.52	0.00	0.60	0.5	0.055
22.666	0.000	0.52	0.00	0.60	0.5	0.055
22.683	0.000	0.51	0.00	0.60	0.5	0.055

22.700	0.000	0.51	0.00	0.60	0.5	0.055
22.716	0.000	0.51	0.00	0.60	0.5	0.055
22.733	0.000	0.51	0.00	0.59	0.5	0.055
22.750	0.000	0.51	0.00	0.59	0.5	0.055
22.766	0.000	0.51	0.00	0.59	0.5	0.055
22.783	0.000	0.51	0.00	0.59	0.5	0.055
22.800	0.000	0.51	0.00	0.59	0.5	0.055
22.816	0.000	0.51	0.00	0.59	0.5	0.055
22.833	0.000	0.51	0.00	0.59	0.5	0.055
22.850	0.000	0.51	0.00	0.59	0.5	0.055
22.866	0.000	0.51	0.00	0.59	0.5	0.055
22.883	0.000	0.51	0.00	0.59	0.5	0.055
22.900	0.000	0.51	0.00	0.59	0.5	0.055
22.916	0.000	0.51	0.00	0.59	0.5	0.055
22.933	0.000	0.50	0.00	0.59	0.5	0.055
22.950	0.000	0.50	0.00	0.59	0.5	0.055
22.966	0.000	0.50	0.00	0.59	0.5	0.055
22.983	0.000	0.50	0.00	0.59	0.5	0.055
23.000	0.000	0.50	0.00	0.59	0.5	0.055
23.016	0.000	0.50	0.00	0.59	0.5	0.055
23.033	0.000	0.50	0.00	0.59	0.5	0.055
23.050	0.000	0.50	0.00	0.59	0.5	0.055
23.066	0.000	0.50	0.00	0.59	0.5	0.055
23.083	0.000	0.50	0.00	0.59	0.5	0.055
23.100	0.000	0.50	0.00	0.59	0.5	0.055
23.116	0.000	0.50	0.00	0.59	0.5	0.055
23.133	0.000	0.50	0.00	0.59	0.5	0.055
23.150	0.000	0.50	0.00	0.59	0.5	0.055
23.166	0.000	0.50	0.00	0.59	0.5	0.055
23.183	0.000	0.50	0.00	0.59	0.5	0.055
23.200	0.000	0.49	0.00	0.59	0.5	0.055
23.216	0.000	0.49	0.00	0.59	0.5	0.055
23.233	0.000	0.49	0.00	0.59	0.5	0.054
23.250	0.000	0.49	0.00	0.59	0.5	0.054
23.266	0.000	0.49	0.00	0.59	0.5	0.054
23.283	0.000	0.49	0.00	0.59	0.5	0.054
23.300	0.000	0.49	0.00	0.59	0.5	0.054
23.316	0.000	0.49	0.00	0.59	0.5	0.054
23.333	0.000	0.49	0.00	0.59	0.5	0.054
23.350	0.000	0.49	0.00	0.59	0.5	0.054
23.366	0.000	0.49	0.00	0.59	0.5	0.054
23.383	0.000	0.49	0.00	0.59	0.5	0.054
23.400	0.000	0.49	0.00	0.59	0.5	0.054
23.416	0.000	0.49	0.00	0.59	0.5	0.054
23.433	0.000	0.49	0.00	0.59	0.5	0.054
23.450	0.000	0.49	0.00	0.59	0.5	0.054
23.466	0.000	0.49	0.00	0.59	0.5	0.054
23.483	0.000	0.49	0.00	0.59	0.5	0.054
23.500	0.000	0.48	0.00	0.59	0.5	0.054
23.516	0.000	0.48	0.00	0.59	0.5	0.054
23.533	0.000	0.48	0.00	0.59	0.5	0.054
23.550	0.000	0.48	0.00	0.59	0.5	0.054
23.566	0.000	0.48	0.00	0.59	0.5	0.054
23.583	0.000	0.48	0.00	0.59	0.5	0.054
23.600	0.000	0.48	0.00	0.59	0.5	0.054
23.616	0.000	0.48	0.00	0.59	0.5	0.054
23.633	0.000	0.48	0.00	0.59	0.5	0.054
23.650	0.000	0.48	0.00	0.59	0.5	0.054
23.666	0.000	0.48	0.00	0.59	0.5	0.054
23.683	0.000	0.48	0.00	0.59	0.5	0.054
23.700	0.000	0.48	0.00	0.59	0.5	0.054
23.716	0.000	0.48	0.00	0.59	0.5	0.054
23.733	0.000	0.48	0.00	0.59	0.5	0.054
23.750	0.000	0.48	0.00	0.59	0.5	0.054
23.766	0.000	0.48	0.00	0.59	0.5	0.054
23.783	0.000	0.48	0.00	0.59	0.5	0.054
23.800	0.000	0.47	0.00	0.59	0.5	0.054
23.816	0.000	0.47	0.00	0.59	0.5	0.054
23.833	0.000	0.47	0.00	0.59	0.5	0.054
23.850	0.000	0.47	0.00	0.59	0.5	0.054
23.866	0.000	0.47	0.00	0.59	0.5	0.054
23.883	0.000	0.47	0.00	0.59	0.5	0.054
23.900	0.000	0.47	0.00	0.59	0.5	0.054
23.916	0.000	0.47	0.00	0.59	0.5	0.054
23.933	0.000	0.47	0.00	0.59	0.5	0.054
23.950	0.000	0.47	0.00	0.59	0.5	0.054
23.966	0.000	0.47	0.00	0.59	0.5	0.054
23.983	0.000	0.47	0.00	0.59	0.5	0.054
24.000	0.000	0.47	0.00	0.59	0.5	0.054

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 1.927 AF
BASIN STORAGE = 0.003 AF (WITH 0.000 AF INITIALLY FILLED)
OUTFLOW VOLUME = 1.925 AF
LOSS VOLUME = 0.000 AF

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FLOW PROCESS FROM NODE 110.00 TO NODE 110.00 IS CODE = 11

>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

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STREAM HYDROGRAPH IN ONE-MINUTE UNIT INTERVALS(CFS)
(Notes: Time indicated is at END of Each Unit Intervals.
Peak 5-minute rainfall intensity is modeled as
a constant value for entire 5-minute period.)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	2.5	5.0	7.5	10.0
0.017	0.0000	0.00	Q	.	.	.	.
0.033	0.0000	0.00	Q	.	.	.	.
0.050	0.0000	0.00	Q	.	.	.	.
0.067	0.0000	0.00	Q	.	.	.	.
0.083	0.0000	0.00	Q	.	.	.	.
0.100	0.0000	0.00	Q	.	.	.	.
0.117	0.0000	0.00	Q	.	.	.	.
0.133	0.0000	0.00	Q	.	.	.	.
0.150	0.0000	0.00	Q	.	.	.	.
0.167	0.0000	0.00	Q	.	.	.	.
0.183	0.0000	0.00	Q	.	.	.	.
0.200	0.0000	0.00	Q	.	.	.	.
0.217	0.0000	0.00	Q	.	.	.	.
0.233	0.0000	0.00	Q	.	.	.	.
0.250	0.0000	0.00	Q	.	.	.	.
0.267	0.0000	0.00	Q	.	.	.	.
0.283	0.0000	0.00	Q	.	.	.	.
0.300	0.0000	0.00	Q	.	.	.	.

0.317	0.0000	0.00	Q	.	.	.	.
0.333	0.0000	0.00	Q	.	.	.	.
0.350	0.0000	0.00	Q	.	.	.	.
0.367	0.0000	0.00	Q	.	.	.	.
0.383	0.0000	0.00	Q	.	.	.	.
0.400	0.0000	0.00	Q	.	.	.	.
0.417	0.0000	0.00	Q	.	.	.	.
0.433	0.0000	0.00	Q	.	.	.	.
0.450	0.0001	0.00	Q	.	.	.	.
0.467	0.0001	0.00	Q	.	.	.	.
0.483	0.0001	0.00	Q	.	.	.	.
0.500	0.0001	0.00	Q	.	.	.	.
0.517	0.0001	0.00	Q	.	.	.	.
0.533	0.0001	0.00	Q	.	.	.	.
0.550	0.0001	0.00	Q	.	.	.	.
0.567	0.0001	0.00	Q	.	.	.	.
0.583	0.0001	0.00	Q	.	.	.	.
0.600	0.0001	0.00	Q	.	.	.	.
0.617	0.0001	0.00	Q	.	.	.	.
0.633	0.0001	0.01	Q	.	.	.	.
0.650	0.0001	0.01	Q	.	.	.	.
0.667	0.0001	0.01	Q	.	.	.	.
0.683	0.0001	0.01	Q	.	.	.	.
0.700	0.0001	0.01	Q	.	.	.	.
0.717	0.0002	0.01	Q	.	.	.	.
0.733	0.0002	0.01	Q	.	.	.	.
0.750	0.0002	0.01	Q	.	.	.	.
0.767	0.0002	0.01	Q	.	.	.	.
0.783	0.0002	0.01	Q	.	.	.	.
0.800	0.0002	0.01	Q	.	.	.	.
0.817	0.0002	0.01	Q	.	.	.	.
0.833	0.0002	0.01	Q	.	.	.	.
0.850	0.0002	0.01	Q	.	.	.	.
0.867	0.0002	0.01	Q	.	.	.	.
0.883	0.0003	0.01	Q	.	.	.	.
0.900	0.0003	0.01	Q	.	.	.	.
0.917	0.0003	0.01	Q	.	.	.	.
0.933	0.0003	0.01	Q	.	.	.	.
0.950	0.0003	0.01	Q	.	.	.	.
0.967	0.0003	0.01	Q	.	.	.	.
0.983	0.0003	0.01	Q	.	.	.	.
1.000	0.0003	0.01	Q	.	.	.	.
1.017	0.0003	0.01	Q	.	.	.	.
1.033	0.0004	0.01	Q	.	.	.	.
1.050	0.0004	0.01	Q	.	.	.	.
1.067	0.0004	0.01	Q	.	.	.	.
1.083	0.0004	0.01	Q	.	.	.	.
1.100	0.0004	0.01	Q	.	.	.	.
1.117	0.0004	0.01	Q	.	.	.	.
1.133	0.0004	0.01	Q	.	.	.	.
1.150	0.0004	0.01	Q	.	.	.	.
1.167	0.0005	0.01	Q	.	.	.	.
1.183	0.0005	0.01	Q	.	.	.	.
1.200	0.0005	0.01	Q	.	.	.	.
1.217	0.0005	0.01	Q	.	.	.	.
1.233	0.0005	0.01	Q	.	.	.	.
1.250	0.0005	0.01	Q	.	.	.	.
1.267	0.0006	0.03	Q	.	.	.	.
1.283	0.0007	0.06	Q	.	.	.	.
1.300	0.0008	0.09	Q	.	.	.	.
1.317	0.0009	0.12	Q	.	.	.	.
1.333	0.0011	0.14	Q	.	.	.	.
1.350	0.0014	0.16	Q	.	.	.	.
1.367	0.0016	0.19	Q	.	.	.	.
1.383	0.0019	0.21	Q	.	.	.	.
1.400	0.0022	0.23	Q	.	.	.	.
1.417	0.0026	0.24	Q	.	.	.	.
1.433	0.0029	0.26	VQ	.	.	.	.
1.450	0.0033	0.28	VQ	.	.	.	.
1.467	0.0037	0.29	VQ	.	.	.	.
1.483	0.0041	0.30	VQ	.	.	.	.
1.500	0.0045	0.32	VQ	.	.	.	.
1.517	0.0050	0.33	VQ	.	.	.	.
1.533	0.0055	0.34	VQ	.	.	.	.
1.550	0.0059	0.35	VQ	.	.	.	.
1.567	0.0064	0.36	VQ	.	.	.	.
1.583	0.0069	0.37	VQ	.	.	.	.
1.600	0.0075	0.37	VQ	.	.	.	.
1.617	0.0080	0.38	VQ	.	.	.	.
1.633	0.0085	0.39	VQ	.	.	.	.
1.650	0.0091	0.40	VQ	.	.	.	.
1.667	0.0096	0.40	VQ	.	.	.	.
1.683	0.0102	0.41	VQ	.	.	.	.
1.700	0.0107	0.41	VQ	.	.	.	.
1.717	0.0113	0.42	VQ	.	.	.	.
1.733	0.0119	0.42	VQ	.	.	.	.
1.750	0.0125	0.43	VQ	.	.	.	.
1.767	0.0131	0.43	VQ	.	.	.	.
1.783	0.0137	0.44	VQ	.	.	.	.
1.800	0.0143	0.44	VQ	.	.	.	.
1.817	0.0149	0.44	VQ	.	.	.	.
1.833	0.0155	0.45	VQ	.	.	.	.
1.850	0.0161	0.45	VQ	.	.	.	.
1.867	0.0168	0.45	VQ	.	.	.	.
1.883	0.0174	0.46	VQ	.	.	.	.
1.900	0.0180	0.46	VQ	.	.	.	.
1.917	0.0187	0.46	VQ	.	.	.	.
1.933	0.0193	0.46	VQ	.	.	.	.
1.950	0.0199	0.46	VQ	.	.	.	.
1.967	0.0206	0.47	VQ	.	.	.	.
1.983	0.0212	0.47	VQ	.	.	.	.
2.000	0.0219	0.47	VQ	.	.	.	.
2.017	0.0225	0.47	VQ	.	.	.	.
2.033	0.0232	0.47	VQ	.	.	.	.
2.050	0.0238	0.47	VQ	.	.	.	.
2.067	0.0245	0.48	VQ	.	.	.	.
2.083	0.0251	0.48	VQ	.	.	.	.
2.100	0.0258	0.48	VQ	.	.	.	.
2.117	0.0265	0.48	VQ	.	.	.	.
2.133	0.0271	0.48	VQ	.	.	.	.
2.150	0.0278	0.48	VQ	.	.	.	.
2.167	0.0285	0.48	VQ	.	.	.	.
2.183	0.0291	0.48	VQ	.	.	.	.
2.200	0.0298	0.48	VQ	.	.	.	.
2.217	0.0305	0.49	VQ	.	.	.	.
2.233	0.0311	0.49	VQ	.	.	.	.
2.250	0.0318	0.49	VQ	.	.	.	.
2.267	0.0325	0.49	VQ	.	.	.	.

2.283	0.0331	0.49	VQ	.	.	.	.
2.300	0.0338	0.49	VQ	.	.	.	.
2.317	0.0345	0.49	VQ	.	.	.	.
2.333	0.0352	0.49	VQ	.	.	.	.
2.350	0.0358	0.49	VQ	.	.	.	.
2.367	0.0365	0.49	VQ	.	.	.	.
2.383	0.0372	0.49	VQ	.	.	.	.
2.400	0.0379	0.49	VQ	.	.	.	.
2.417	0.0386	0.49	VQ	.	.	.	.
2.433	0.0392	0.49	VQ	.	.	.	.
2.450	0.0399	0.49	VQ	.	.	.	.
2.467	0.0406	0.49	VQ	.	.	.	.
2.483	0.0413	0.50	VQ	.	.	.	.
2.500	0.0420	0.50	VQ	.	.	.	.
2.517	0.0426	0.50	VQ	.	.	.	.
2.533	0.0433	0.50	VQ	.	.	.	.
2.550	0.0440	0.50	VQ	.	.	.	.
2.567	0.0447	0.50	VQ	.	.	.	.
2.583	0.0454	0.50	VQ	.	.	.	.
2.600	0.0461	0.50	VQ	.	.	.	.
2.617	0.0468	0.50	VQ	.	.	.	.
2.633	0.0474	0.50	VQ	.	.	.	.
2.650	0.0481	0.50	.Q	.	.	.	.
2.667	0.0488	0.50	.Q	.	.	.	.
2.683	0.0495	0.50	.VQ	.	.	.	.
2.700	0.0502	0.50	.VQ	.	.	.	.
2.717	0.0509	0.50	.VQ	.	.	.	.
2.733	0.0516	0.50	.VQ	.	.	.	.
2.750	0.0523	0.50	.VQ	.	.	.	.
2.767	0.0530	0.50	.VQ	.	.	.	.
2.783	0.0537	0.50	.VQ	.	.	.	.
2.800	0.0544	0.50	.VQ	.	.	.	.
2.817	0.0550	0.50	.VQ	.	.	.	.
2.833	0.0557	0.50	.VQ	.	.	.	.
2.850	0.0564	0.50	.VQ	.	.	.	.
2.867	0.0571	0.50	.VQ	.	.	.	.
2.883	0.0578	0.50	.VQ	.	.	.	.
2.900	0.0585	0.51	.VQ	.	.	.	.
2.917	0.0592	0.51	.VQ	.	.	.	.
2.933	0.0599	0.51	.VQ	.	.	.	.
2.950	0.0606	0.51	.VQ	.	.	.	.
2.967	0.0613	0.51	.VQ	.	.	.	.
2.983	0.0620	0.51	.VQ	.	.	.	.
3.000	0.0627	0.51	.VQ	.	.	.	.
3.017	0.0634	0.51	.VQ	.	.	.	.
3.033	0.0641	0.51	.VQ	.	.	.	.
3.050	0.0648	0.51	.VQ	.	.	.	.
3.067	0.0655	0.51	.VQ	.	.	.	.
3.083	0.0662	0.51	.VQ	.	.	.	.
3.100	0.0669	0.51	.VQ	.	.	.	.
3.117	0.0676	0.51	.VQ	.	.	.	.
3.133	0.0683	0.51	.VQ	.	.	.	.
3.150	0.0690	0.51	.VQ	.	.	.	.
3.167	0.0697	0.51	.VQ	.	.	.	.
3.183	0.0704	0.51	.VQ	.	.	.	.
3.200	0.0711	0.51	.VQ	.	.	.	.
3.217	0.0718	0.51	.VQ	.	.	.	.
3.233	0.0725	0.51	.VQ	.	.	.	.
3.250	0.0732	0.51	.VQ	.	.	.	.
3.267	0.0739	0.51	.VQ	.	.	.	.
3.283	0.0747	0.51	.VQ	.	.	.	.
3.300	0.0754	0.51	.VQ	.	.	.	.
3.317	0.0761	0.51	.VQ	.	.	.	.
3.333	0.0768	0.51	.VQ	.	.	.	.
3.350	0.0775	0.51	.VQ	.	.	.	.
3.367	0.0782	0.51	.VQ	.	.	.	.
3.383	0.0789	0.51	.VQ	.	.	.	.
3.400	0.0796	0.52	.VQ	.	.	.	.
3.417	0.0803	0.52	.VQ	.	.	.	.
3.433	0.0810	0.52	.VQ	.	.	.	.
3.450	0.0817	0.52	.VQ	.	.	.	.
3.467	0.0825	0.52	.VQ	.	.	.	.
3.483	0.0832	0.52	.VQ	.	.	.	.
3.500	0.0839	0.52	.VQ	.	.	.	.
3.517	0.0846	0.52	.VQ	.	.	.	.
3.533	0.0853	0.52	.VQ	.	.	.	.
3.550	0.0860	0.52	.VQ	.	.	.	.
3.567	0.0867	0.52	.VQ	.	.	.	.
3.583	0.0874	0.52	.VQ	.	.	.	.
3.600	0.0882	0.52	.VQ	.	.	.	.
3.617	0.0889	0.52	.VQ	.	.	.	.
3.633	0.0896	0.52	.VQ	.	.	.	.
3.650	0.0903	0.52	.VQ	.	.	.	.
3.667	0.0910	0.52	.VQ	.	.	.	.
3.683	0.0917	0.52	.VQ	.	.	.	.
3.700	0.0925	0.52	.VQ	.	.	.	.
3.717	0.0932	0.52	.VQ	.	.	.	.
3.733	0.0939	0.52	.VQ	.	.	.	.
3.750	0.0946	0.52	.VQ	.	.	.	.
3.767	0.0953	0.52	.VQ	.	.	.	.
3.783	0.0961	0.52	.VQ	.	.	.	.
3.800	0.0968	0.52	. Q	.	.	.	.
3.817	0.0975	0.52	. Q	.	.	.	.
3.833	0.0982	0.52	. Q	.	.	.	.
3.850	0.0989	0.52	. Q	.	.	.	.
3.867	0.0997	0.52	. Q	.	.	.	.
3.883	0.1004	0.53	. Q	.	.	.	.
3.900	0.1011	0.53	. Q	.	.	.	.
3.917	0.1018	0.53	. Q	.	.	.	.
3.933	0.1026	0.53	. Q	.	.	.	.
3.950	0.1033	0.53	. Q	.	.	.	.
3.967	0.1040	0.53	. Q	.	.	.	.
3.983	0.1047	0.53	. Q	.	.	.	.
4.000	0.1055	0.53	. Q	.	.	.	.
4.017	0.1062	0.53	. Q	.	.	.	.
4.033	0.1069	0.53	. Q	.	.	.	.
4.050	0.1077	0.53	. Q	.	.	.	.
4.067	0.1084	0.53	. Q	.	.	.	.
4.083	0.1091	0.53	. Q	.	.	.	.
4.100	0.1098	0.53	. Q	.	.	.	.
4.117	0.1106	0.53	. Q	.	.	.	.
4.133	0.1113	0.53	. Q	.	.	.	.
4.150	0.1120	0.53	. Q	.	.	.	.
4.167	0.1128	0.53	. Q	.	.	.	.
4.183	0.1135	0.53	. Q	.	.	.	.
4.200	0.1142	0.53	. Q	.	.	.	.
4.217	0.1150	0.53	. Q	.	.	.	.
4.233	0.1157	0.53	. Q	.	.	.	.

4.250	0.1164	0.53	. Q	.	.	.	.
4.267	0.1172	0.53	. Q	.	.	.	.
4.283	0.1179	0.53	. Q	.	.	.	.
4.300	0.1186	0.53	. Q	.	.	.	.
4.317	0.1194	0.53	. Q	.	.	.	.
4.333	0.1201	0.54	. Q	.	.	.	.
4.350	0.1209	0.54	. Q	.	.	.	.
4.367	0.1216	0.54	. Q	.	.	.	.
4.383	0.1223	0.54	. Q	.	.	.	.
4.400	0.1231	0.54	. Q	.	.	.	.
4.417	0.1238	0.54	. Q	.	.	.	.
4.433	0.1246	0.54	. Q	.	.	.	.
4.450	0.1253	0.54	. Q	.	.	.	.
4.467	0.1260	0.54	. Q	.	.	.	.
4.483	0.1268	0.54	. Q	.	.	.	.
4.500	0.1275	0.54	. Q	.	.	.	.
4.517	0.1283	0.54	. Q	.	.	.	.
4.533	0.1290	0.54	. Q	.	.	.	.
4.550	0.1297	0.54	. Q	.	.	.	.
4.567	0.1305	0.54	. Q	.	.	.	.
4.583	0.1312	0.54	. Q	.	.	.	.
4.600	0.1320	0.54	. Q	.	.	.	.
4.617	0.1327	0.54	. Q	.	.	.	.
4.633	0.1335	0.54	. Q	.	.	.	.
4.650	0.1342	0.54	. Q	.	.	.	.
4.667	0.1350	0.54	. Q	.	.	.	.
4.683	0.1357	0.54	. Q	.	.	.	.
4.700	0.1365	0.54	. Q	.	.	.	.
4.717	0.1372	0.54	. Q	.	.	.	.
4.733	0.1380	0.54	. Q	.	.	.	.
4.750	0.1387	0.54	. Q	.	.	.	.
4.767	0.1395	0.55	. Q	.	.	.	.
4.783	0.1402	0.55	. Q	.	.	.	.
4.800	0.1410	0.55	. Q	.	.	.	.
4.817	0.1417	0.55	. Q	.	.	.	.
4.833	0.1425	0.55	. Q	.	.	.	.
4.850	0.1432	0.55	. Q	.	.	.	.
4.867	0.1440	0.55	. Q	.	.	.	.
4.883	0.1447	0.55	. QV	.	.	.	.
4.900	0.1455	0.55	. QV	.	.	.	.
4.917	0.1463	0.55	. QV	.	.	.	.
4.933	0.1470	0.55	. QV	.	.	.	.
4.950	0.1478	0.55	. QV	.	.	.	.
4.967	0.1485	0.55	. QV	.	.	.	.
4.983	0.1493	0.55	. QV	.	.	.	.
5.000	0.1500	0.55	. QV	.	.	.	.
5.017	0.1508	0.55	. QV	.	.	.	.
5.033	0.1516	0.55	. QV	.	.	.	.
5.050	0.1523	0.55	. QV	.	.	.	.
5.067	0.1531	0.55	. QV	.	.	.	.
5.083	0.1538	0.55	. QV	.	.	.	.
5.100	0.1546	0.55	. QV	.	.	.	.
5.117	0.1554	0.55	. QV	.	.	.	.
5.133	0.1561	0.55	. QV	.	.	.	.
5.150	0.1569	0.55	. QV	.	.	.	.
5.167	0.1577	0.55	. QV	.	.	.	.
5.183	0.1584	0.56	. QV	.	.	.	.
5.200	0.1592	0.56	. QV	.	.	.	.
5.217	0.1600	0.56	. QV	.	.	.	.
5.233	0.1607	0.56	. QV	.	.	.	.
5.250	0.1615	0.56	. QV	.	.	.	.
5.267	0.1623	0.56	. QV	.	.	.	.
5.283	0.1630	0.56	. QV	.	.	.	.
5.300	0.1638	0.56	. QV	.	.	.	.
5.317	0.1646	0.56	. QV	.	.	.	.
5.333	0.1653	0.56	. QV	.	.	.	.
5.350	0.1661	0.56	. QV	.	.	.	.
5.367	0.1669	0.56	. QV	.	.	.	.
5.383	0.1676	0.56	. QV	.	.	.	.
5.400	0.1684	0.56	. QV	.	.	.	.
5.417	0.1692	0.56	. QV	.	.	.	.
5.433	0.1700	0.56	. QV	.	.	.	.
5.450	0.1707	0.56	. QV	.	.	.	.
5.467	0.1715	0.56	. QV	.	.	.	.
5.483	0.1723	0.56	. QV	.	.	.	.
5.500	0.1731	0.56	. QV	.	.	.	.
5.517	0.1738	0.56	. QV	.	.	.	.
5.533	0.1746	0.56	. QV	.	.	.	.
5.550	0.1754	0.56	. QV	.	.	.	.
5.567	0.1762	0.57	. QV	.	.	.	.
5.583	0.1770	0.57	. QV	.	.	.	.
5.600	0.1777	0.57	. QV	.	.	.	.
5.617	0.1785	0.57	. QV	.	.	.	.
5.633	0.1793	0.57	. QV	.	.	.	.
5.650	0.1801	0.57	. QV	.	.	.	.
5.667	0.1809	0.57	. QV	.	.	.	.
5.683	0.1816	0.57	. QV	.	.	.	.
5.700	0.1824	0.57	. QV	.	.	.	.
5.717	0.1832	0.57	. QV	.	.	.	.
5.733	0.1840	0.57	. QV	.	.	.	.
5.750	0.1848	0.57	. QV	.	.	.	.
5.767	0.1856	0.57	. QV	.	.	.	.
5.783	0.1864	0.57	. QV	.	.	.	.
5.800	0.1871	0.57	. QV	.	.	.	.
5.817	0.1879	0.57	. QV	.	.	.	.
5.833	0.1887	0.57	. QV	.	.	.	.
5.850	0.1895	0.57	. QV	.	.	.	.
5.867	0.1903	0.57	. QV	.	.	.	.
5.883	0.1911	0.57	. QV	.	.	.	.
5.900	0.1919	0.57	. QV	.	.	.	.
5.917	0.1927	0.57	. Q V	.	.	.	.
5.933	0.1935	0.58	. Q V	.	.	.	.
5.950	0.1943	0.58	. Q V	.	.	.	.
5.967	0.1950	0.58	. Q V	.	.	.	.
5.983	0.1958	0.58	. Q V	.	.	.	.
6.000	0.1966	0.58	. Q V	.	.	.	.
6.017	0.1974	0.58	. Q V	.	.	.	.
6.033	0.1982	0.58	. Q V	.	.	.	.
6.050	0.1990	0.58	. Q V	.	.	.	.
6.067	0.1998	0.58	. Q V	.	.	.	.
6.083	0.2006	0.58	. Q V	.	.	.	.
6.100	0.2014	0.58	. Q V	.	.	.	.
6.117	0.2022	0.58	. Q V	.	.	.	.
6.133	0.2030	0.58	. Q V	.	.	.	.
6.150	0.2038	0.58	. Q V	.	.	.	.
6.167	0.2046	0.58	. Q V	.	.	.	.
6.183	0.2054	0.58	. Q V	.	.	.	.
6.200	0.2062	0.58	. Q V	.	.	.	.

6.217	0.2070	0.58	.	Q	V	.	.	.	.
6.233	0.2078	0.58	.	Q	V	.	.	.	.
6.250	0.2086	0.58	.	Q	V	.	.	.	.
6.267	0.2094	0.58	.	Q	V	.	.	.	.
6.283	0.2102	0.59	.	Q	V	.	.	.	.
6.300	0.2111	0.59	.	Q	V	.	.	.	.
6.317	0.2119	0.59	.	Q	V	.	.	.	.
6.333	0.2127	0.59	.	Q	V	.	.	.	.
6.350	0.2135	0.59	.	Q	V	.	.	.	.
6.367	0.2143	0.59	.	Q	V	.	.	.	.
6.383	0.2151	0.59	.	Q	V	.	.	.	.
6.400	0.2159	0.59	.	Q	V	.	.	.	.
6.417	0.2167	0.59	.	Q	V	.	.	.	.
6.433	0.2175	0.59	.	Q	V	.	.	.	.
6.450	0.2183	0.59	.	Q	V	.	.	.	.
6.467	0.2192	0.59	.	Q	V	.	.	.	.
6.483	0.2200	0.59	.	Q	V	.	.	.	.
6.500	0.2208	0.59	.	Q	V	.	.	.	.
6.517	0.2216	0.59	.	Q	V	.	.	.	.
6.533	0.2224	0.59	.	Q	V	.	.	.	.
6.550	0.2232	0.59	.	Q	V	.	.	.	.
6.567	0.2240	0.59	.	Q	V	.	.	.	.
6.583	0.2249	0.59	.	Q	V	.	.	.	.
6.600	0.2257	0.59	.	Q	V	.	.	.	.
6.617	0.2265	0.60	.	Q	V	.	.	.	.
6.633	0.2273	0.60	.	Q	V	.	.	.	.
6.650	0.2281	0.60	.	Q	V	.	.	.	.
6.667	0.2290	0.60	.	Q	V	.	.	.	.
6.683	0.2298	0.60	.	Q	V	.	.	.	.
6.700	0.2306	0.60	.	Q	V	.	.	.	.
6.717	0.2314	0.60	.	Q	V	.	.	.	.
6.733	0.2323	0.60	.	Q	V	.	.	.	.
6.750	0.2331	0.60	.	Q	V	.	.	.	.
6.767	0.2339	0.60	.	Q	V	.	.	.	.
6.783	0.2347	0.60	.	Q	V	.	.	.	.
6.800	0.2356	0.60	.	Q	V	.	.	.	.
6.817	0.2364	0.60	.	Q	V	.	.	.	.
6.833	0.2372	0.60	.	Q	V	.	.	.	.
6.850	0.2381	0.60	.	Q	V	.	.	.	.
6.867	0.2389	0.60	.	Q	V	.	.	.	.
6.883	0.2397	0.60	.	Q	V	.	.	.	.
6.900	0.2406	0.60	.	Q	V	.	.	.	.
6.917	0.2414	0.60	.	Q	V	.	.	.	.
6.933	0.2422	0.61	.	Q	V	.	.	.	.
6.950	0.2431	0.61	.	Q	V	.	.	.	.
6.967	0.2439	0.61	.	Q	V	.	.	.	.
6.983	0.2447	0.61	.	Q	V	.	.	.	.
7.000	0.2456	0.61	.	Q	V	.	.	.	.
7.017	0.2464	0.61	.	Q	V	.	.	.	.
7.033	0.2472	0.61	.	Q	V	.	.	.	.
7.050	0.2481	0.61	.	Q	V	.	.	.	.
7.067	0.2489	0.61	.	Q	V	.	.	.	.
7.083	0.2498	0.61	.	Q	V	.	.	.	.
7.100	0.2506	0.61	.	Q	V	.	.	.	.
7.117	0.2514	0.61	.	Q	V	.	.	.	.
7.133	0.2523	0.61	.	Q	V	.	.	.	.
7.150	0.2531	0.61	.	Q	V	.	.	.	.
7.167	0.2540	0.61	.	Q	V	.	.	.	.
7.183	0.2548	0.61	.	Q	V	.	.	.	.
7.200	0.2557	0.61	.	Q	V	.	.	.	.
7.217	0.2565	0.61	.	Q	V	.	.	.	.
7.233	0.2573	0.62	.	Q	V	.	.	.	.
7.250	0.2582	0.62	.	Q	V	.	.	.	.
7.267	0.2590	0.62	.	Q	V	.	.	.	.
7.283	0.2599	0.62	.	Q	V	.	.	.	.
7.300	0.2607	0.62	.	Q	V	.	.	.	.
7.317	0.2616	0.62	.	Q	V	.	.	.	.
7.333	0.2625	0.62	.	Q	V	.	.	.	.
7.350	0.2633	0.62	.	Q	V	.	.	.	.
7.367	0.2642	0.62	.	Q	V	.	.	.	.
7.383	0.2650	0.62	.	Q	V	.	.	.	.
7.400	0.2659	0.62	.	Q	V	.	.	.	.
7.417	0.2667	0.62	.	Q	V	.	.	.	.
7.433	0.2676	0.62	.	Q	V	.	.	.	.
7.450	0.2684	0.62	.	Q	V	.	.	.	.
7.467	0.2693	0.62	.	Q	V	.	.	.	.
7.483	0.2702	0.62	.	Q	V	.	.	.	.
7.500	0.2710	0.62	.	Q	V	.	.	.	.
7.517	0.2719	0.62	.	Q	V	.	.	.	.
7.533	0.2727	0.63	.	Q	V	.	.	.	.
7.550	0.2736	0.63	.	Q	V	.	.	.	.
7.567	0.2745	0.63	.	Q	V	.	.	.	.
7.583	0.2753	0.63	.	Q	V	.	.	.	.
7.600	0.2762	0.63	.	Q	V	.	.	.	.
7.617	0.2771	0.63	.	Q	V	.	.	.	.
7.633	0.2779	0.63	.	Q	V	.	.	.	.
7.650	0.2788	0.63	.	Q	V	.	.	.	.
7.667	0.2797	0.63	.	Q	V	.	.	.	.
7.683	0.2805	0.63	.	Q	V	.	.	.	.
7.700	0.2814	0.63	.	Q	V	.	.	.	.
7.717	0.2823	0.63	.	Q	V	.	.	.	.
7.733	0.2831	0.63	.	Q	V	.	.	.	.
7.750	0.2840	0.63	.	Q	V	.	.	.	.
7.767	0.2849	0.63	.	Q	V	.	.	.	.
7.783	0.2858	0.63	.	Q	V	.	.	.	.
7.800	0.2866	0.64	.	Q	V	.	.	.	.
7.817	0.2875	0.64	.	Q	V	.	.	.	.
7.833	0.2884	0.64	.	Q	V	.	.	.	.
7.850	0.2893	0.64	.	Q	V	.	.	.	.
7.867	0.2901	0.64	.	Q	V	.	.	.	.
7.883	0.2910	0.64	.	Q	V	.	.	.	.
7.900	0.2919	0.64	.	Q	V	.	.	.	.
7.917	0.2928	0.64	.	Q	V	.	.	.	.
7.933	0.2937	0.64	.	Q	V	.	.	.	.
7.950	0.2946	0.64	.	Q	V	.	.	.	.
7.967	0.2954	0.64	.	Q	V	.	.	.	.
7.983	0.2963	0.64	.	Q	V	.	.	.	.
8.000	0.2972	0.64	.	Q	V	.	.	.	.
8.017	0.2981	0.64	.	Q	V	.	.	.	.
8.033	0.2990	0.64	.	Q	V	.	.	.	.
8.050	0.2999	0.65	.	Q	V	.	.	.	.
8.067	0.3008	0.65	.	Q	V	.	.	.	.
8.083	0.3016	0.65	.	Q	V	.	.	.	.
8.100	0.3025	0.65	.	Q	V	.	.	.	.
8.117	0.3034	0.65	.	Q	V	.	.	.	.
8.133	0.3043	0.65	.	Q	V	.	.	.	.
8.150	0.3052	0.65	.	Q	V	.	.	.	.
8.167	0.3061	0.65	.	Q	V	.	.	.	.

8.183	0.3070	0.65	.	Q	V	.	.	.	.
8.200	0.3079	0.65	.	Q	V	.	.	.	.
8.217	0.3088	0.65	.	Q	V	.	.	.	.
8.233	0.3097	0.65	.	Q	V	.	.	.	.
8.250	0.3106	0.65	.	Q	V	.	.	.	.
8.267	0.3115	0.65	.	Q	V	.	.	.	.
8.283	0.3124	0.65	.	Q	V	.	.	.	.
8.300	0.3133	0.65	.	Q	V	.	.	.	.
8.317	0.3142	0.66	.	Q	V	.	.	.	.
8.333	0.3151	0.66	.	Q	V	.	.	.	.
8.350	0.3160	0.66	.	Q	V	.	.	.	.
8.367	0.3169	0.66	.	Q	V	.	.	.	.
8.383	0.3178	0.66	.	Q	V	.	.	.	.
8.400	0.3187	0.66	.	Q	V	.	.	.	.
8.417	0.3196	0.66	.	Q	V	.	.	.	.
8.433	0.3206	0.66	.	Q	V	.	.	.	.
8.450	0.3215	0.66	.	Q	V	.	.	.	.
8.467	0.3224	0.66	.	Q	V	.	.	.	.
8.483	0.3233	0.66	.	Q	V	.	.	.	.
8.500	0.3242	0.66	.	Q	V	.	.	.	.
8.517	0.3251	0.66	.	Q	V	.	.	.	.
8.533	0.3260	0.66	.	Q	V	.	.	.	.
8.550	0.3269	0.67	.	Q	V	.	.	.	.
8.567	0.3279	0.67	.	Q	V	.	.	.	.
8.583	0.3288	0.67	.	Q	V	.	.	.	.
8.600	0.3297	0.67	.	Q	V	.	.	.	.
8.617	0.3306	0.67	.	Q	V	.	.	.	.
8.633	0.3315	0.67	.	Q	V	.	.	.	.
8.650	0.3325	0.67	.	Q	V	.	.	.	.
8.667	0.3334	0.67	.	Q	V	.	.	.	.
8.683	0.3343	0.67	.	Q	V	.	.	.	.
8.700	0.3352	0.67	.	Q	V	.	.	.	.
8.717	0.3362	0.67	.	Q	V	.	.	.	.
8.733	0.3371	0.67	.	Q	V	.	.	.	.
8.750	0.3380	0.67	.	Q	V	.	.	.	.
8.767	0.3390	0.68	.	Q	V	.	.	.	.
8.783	0.3399	0.68	.	Q	V	.	.	.	.
8.800	0.3408	0.68	.	Q	V	.	.	.	.
8.817	0.3417	0.68	.	Q	V	.	.	.	.
8.833	0.3427	0.68	.	Q	V	.	.	.	.
8.850	0.3436	0.68	.	Q	V	.	.	.	.
8.867	0.3446	0.68	.	Q	V	.	.	.	.
8.883	0.3455	0.68	.	Q	V	.	.	.	.
8.900	0.3464	0.68	.	Q	V	.	.	.	.
8.917	0.3474	0.68	.	Q	V	.	.	.	.
8.933	0.3483	0.68	.	Q	V	.	.	.	.
8.950	0.3492	0.68	.	Q	V	.	.	.	.
8.967	0.3502	0.68	.	Q	V	.	.	.	.
8.983	0.3511	0.68	.	Q	V	.	.	.	.
9.000	0.3521	0.69	.	Q	V	.	.	.	.
9.017	0.3530	0.69	.	Q	V	.	.	.	.
9.033	0.3540	0.69	.	Q	V	.	.	.	.
9.050	0.3549	0.69	.	Q	V	.	.	.	.
9.067	0.3559	0.69	.	Q	V	.	.	.	.
9.083	0.3568	0.69	.	Q	V	.	.	.	.
9.100	0.3578	0.69	.	Q	V	.	.	.	.
9.117	0.3587	0.69	.	Q	V	.	.	.	.
9.133	0.3597	0.69	.	Q	V	.	.	.	.
9.150	0.3606	0.69	.	Q	V	.	.	.	.
9.167	0.3616	0.69	.	Q	V	.	.	.	.
9.183	0.3625	0.69	.	Q	V	.	.	.	.
9.200	0.3635	0.70	.	Q	V	.	.	.	.
9.217	0.3645	0.70	.	Q	V	.	.	.	.
9.233	0.3654	0.70	.	Q	V	.	.	.	.
9.250	0.3664	0.70	.	Q	V	.	.	.	.
9.267	0.3673	0.70	.	Q	V	.	.	.	.
9.283	0.3683	0.70	.	Q	V	.	.	.	.
9.300	0.3693	0.70	.	Q	V	.	.	.	.
9.317	0.3702	0.70	.	Q	V	.	.	.	.
9.333	0.3712	0.70	.	Q	V	.	.	.	.
9.350	0.3722	0.70	.	Q	V	.	.	.	.
9.367	0.3731	0.70	.	Q	V	.	.	.	.
9.383	0.3741	0.70	.	Q	V	.	.	.	.
9.400	0.3751	0.70	.	Q	V	.	.	.	.
9.417	0.3760	0.71	.	Q	V	.	.	.	.
9.433	0.3770	0.71	.	Q	V	.	.	.	.
9.450	0.3780	0.71	.	Q	V	.	.	.	.
9.467	0.3790	0.71	.	Q	V	.	.	.	.
9.483	0.3799	0.71	.	Q	V	.	.	.	.
9.500	0.3809	0.71	.	Q	V	.	.	.	.
9.517	0.3819	0.71	.	Q	V	.	.	.	.
9.533	0.3829	0.71	.	Q	V	.	.	.	.
9.550	0.3839	0.71	.	Q	V	.	.	.	.
9.567	0.3849	0.71	.	Q	V	.	.	.	.
9.583	0.3858	0.72	.	Q	V	.	.	.	.
9.600	0.3868	0.72	.	Q	V	.	.	.	.
9.617	0.3878	0.72	.	Q	V	.	.	.	.
9.633	0.3888	0.72	.	Q	V	.	.	.	.
9.650	0.3898	0.72	.	Q	V	.	.	.	.
9.667	0.3908	0.72	.	Q	V	.	.	.	.
9.683	0.3918	0.72	.	Q	V	.	.	.	.
9.700	0.3928	0.72	.	Q	V	.	.	.	.
9.717	0.3938	0.72	.	Q	V	.	.	.	.
9.733	0.3948	0.72	.	Q	V	.	.	.	.
9.750	0.3958	0.72	.	Q	V	.	.	.	.
9.767	0.3967	0.72	.	Q	V	.	.	.	.
9.783	0.3977	0.73	.	Q	V	.	.	.	.
9.800	0.3987	0.73	.	Q	V	.	.	.	.
9.817	0.3997	0.73	.	Q	V	.	.	.	.
9.833	0.4008	0.73	.	Q	V	.	.	.	.
9.850	0.4018	0.73	.	Q	V	.	.	.	.
9.867	0.4028	0.73	.	Q	V	.	.	.	.
9.883	0.4038	0.73	.	Q	V	.	.	.	.
9.900	0.4048	0.73	.	Q	V	.	.	.	.
9.917	0.4058	0.73	.	Q	V	.	.	.	.
9.933	0.4068	0.73	.	Q	V	.	.	.	.
9.950	0.4078	0.74	.	Q	V	.	.	.	.
9.967	0.4088	0.74	.	Q	V	.	.	.	.
9.983	0.4098	0.74	.	Q	V	.	.	.	.
10.000	0.4109	0.74	.	Q	V	.	.	.	.
10.017	0.4119	0.74	.	Q	V	.	.	.	.
10.033	0.4129	0.74	.	Q	V	.	.	.	.
10.050	0.4139	0.74	.	Q	V	.	.	.	.
10.067	0.4149	0.74	.	Q	V	.	.	.	.
10.083	0.4160	0.74	.	Q	V	.	.	.	.
10.100	0.4170	0.74	.	Q	V	.	.	.	.
10.117	0.4180	0.74	.	Q	V	.	.	.	.
10.133	0.4190	0.75	.	Q	V	.	.	.	.

10.150	0.4201	0.75	.	Q	V	.	.	.
10.167	0.4211	0.75	.	Q	V	.	.	.
10.183	0.4221	0.75	.	Q	V	.	.	.
10.200	0.4232	0.75	.	Q	V	.	.	.
10.217	0.4242	0.75	.	Q	V	.	.	.
10.233	0.4252	0.75	.	Q	V	.	.	.
10.250	0.4263	0.75	.	Q	V	.	.	.
10.267	0.4273	0.75	.	Q	V	.	.	.
10.283	0.4284	0.76	.	Q	V	.	.	.
10.300	0.4294	0.76	.	Q	V	.	.	.
10.317	0.4304	0.76	.	Q	V	.	.	.
10.333	0.4315	0.76	.	Q	V	.	.	.
10.350	0.4325	0.76	.	Q	V	.	.	.
10.367	0.4336	0.76	.	Q	V.	.	.	.
10.383	0.4346	0.76	.	Q	V.	.	.	.
10.400	0.4357	0.76	.	Q	V.	.	.	.
10.417	0.4367	0.76	.	Q	V.	.	.	.
10.433	0.4378	0.76	.	Q	V.	.	.	.
10.450	0.4388	0.77	.	Q	V.	.	.	.
10.467	0.4399	0.77	.	Q	V.	.	.	.
10.483	0.4409	0.77	.	Q	V.	.	.	.
10.500	0.4420	0.77	.	Q	V.	.	.	.
10.517	0.4431	0.77	.	Q	V.	.	.	.
10.533	0.4441	0.77	.	Q	V.	.	.	.
10.550	0.4452	0.77	.	Q	V.	.	.	.
10.567	0.4463	0.77	.	Q	V.	.	.	.
10.583	0.4473	0.77	.	Q	V.	.	.	.
10.600	0.4484	0.78	.	Q	V.	.	.	.
10.617	0.4495	0.78	.	Q	V.	.	.	.
10.633	0.4505	0.78	.	Q	V.	.	.	.
10.650	0.4516	0.78	.	Q	V.	.	.	.
10.667	0.4527	0.78	.	Q	V.	.	.	.
10.683	0.4538	0.78	.	Q	V.	.	.	.
10.700	0.4548	0.78	.	Q	V.	.	.	.
10.717	0.4559	0.78	.	Q	V.	.	.	.
10.733	0.4570	0.79	.	Q	V.	.	.	.
10.750	0.4581	0.79	.	Q	V.	.	.	.
10.767	0.4592	0.79	.	Q	V.	.	.	.
10.783	0.4603	0.79	.	Q	V.	.	.	.
10.800	0.4613	0.79	.	Q	V.	.	.	.
10.817	0.4624	0.79	.	Q	V.	.	.	.
10.833	0.4635	0.79	.	Q	V.	.	.	.
10.850	0.4646	0.79	.	Q	V.	.	.	.
10.867	0.4657	0.79	.	Q	V.	.	.	.
10.883	0.4668	0.80	.	Q	V.	.	.	.
10.900	0.4679	0.80	.	Q	V.	.	.	.
10.917	0.4690	0.80	.	Q	V.	.	.	.
10.933	0.4701	0.80	.	Q	V.	.	.	.
10.950	0.4712	0.80	.	Q	V.	.	.	.
10.967	0.4723	0.80	.	Q	V.	.	.	.
10.983	0.4734	0.80	.	Q	V.	.	.	.
11.000	0.4745	0.80	.	Q	V.	.	.	.
11.017	0.4756	0.81	.	Q	V.	.	.	.
11.033	0.4767	0.81	.	Q	V.	.	.	.
11.050	0.4779	0.81	.	Q	V.	.	.	.
11.067	0.4790	0.81	.	Q	V.	.	.	.
11.083	0.4801	0.81	.	Q	V.	.	.	.
11.100	0.4812	0.81	.	Q	V	.	.	.
11.117	0.4823	0.81	.	Q	V	.	.	.
11.133	0.4835	0.81	.	Q	V	.	.	.
11.150	0.4846	0.82	.	Q	V	.	.	.
11.167	0.4857	0.82	.	Q	V	.	.	.
11.183	0.4868	0.82	.	Q	V	.	.	.
11.200	0.4880	0.82	.	Q	V	.	.	.
11.217	0.4891	0.82	.	Q	V	.	.	.
11.233	0.4902	0.82	.	Q	V	.	.	.
11.250	0.4914	0.82	.	Q	V	.	.	.
11.267	0.4925	0.82	.	Q	V	.	.	.
11.283	0.4936	0.83	.	Q	V	.	.	.
11.300	0.4948	0.83	.	Q	V	.	.	.
11.317	0.4959	0.83	.	Q	V	.	.	.
11.333	0.4971	0.83	.	Q	V	.	.	.
11.350	0.4982	0.83	.	Q	V	.	.	.
11.367	0.4994	0.83	.	Q	V	.	.	.
11.383	0.5005	0.84	.	Q	V	.	.	.
11.400	0.5017	0.84	.	Q	V	.	.	.
11.417	0.5028	0.84	.	Q	V	.	.	.
11.433	0.5040	0.84	.	Q	V	.	.	.
11.450	0.5051	0.84	.	Q	V	.	.	.
11.467	0.5063	0.84	.	Q	V	.	.	.
11.483	0.5075	0.84	.	Q	V	.	.	.
11.500	0.5086	0.85	.	Q	V	.	.	.
11.517	0.5098	0.85	.	Q	V	.	.	.
11.533	0.5110	0.85	.	Q	V	.	.	.
11.550	0.5121	0.85	.	Q	V	.	.	.
11.567	0.5133	0.85	.	Q	V	.	.	.
11.583	0.5145	0.85	.	Q	V	.	.	.
11.600	0.5156	0.85	.	Q	V	.	.	.
11.617	0.5168	0.86	.	Q	V	.	.	.
11.633	0.5180	0.86	.	Q	V	.	.	.
11.650	0.5192	0.86	.	Q	V	.	.	.
11.667	0.5204	0.86	.	Q	V	.	.	.
11.683	0.5216	0.86	.	Q	V	.	.	.
11.700	0.5227	0.86	.	Q	V	.	.	.
11.717	0.5239	0.86	.	Q	V	.	.	.
11.733	0.5251	0.87	.	Q	V	.	.	.
11.750	0.5263	0.87	.	Q	V	.	.	.
11.767	0.5275	0.87	.	Q	V	.	.	.
11.783	0.5287	0.87	.	Q	V	.	.	.
11.800	0.5299	0.87	.	Q	.V	.	.	.
11.817	0.5311	0.87	.	Q	.V	.	.	.
11.833	0.5323	0.88	.	Q	.V	.	.	.
11.850	0.5336	0.88	.	Q	.V	.	.	.
11.867	0.5348	0.88	.	Q	.V	.	.	.
11.883	0.5360	0.88	.	Q	.V	.	.	.
11.900	0.5372	0.88	.	Q	.V	.	.	.
11.917	0.5384	0.88	.	Q	.V	.	.	.
11.933	0.5396	0.89	.	Q	.V	.	.	.
11.950	0.5409	0.89	.	Q	.V	.	.	.
11.967	0.5421	0.89	.	Q	.V	.	.	.
11.983	0.5433	0.89	.	Q	.V	.	.	.
12.000	0.5445	0.89	.	Q	.V	.	.	.
12.017	0.5458	0.89	.	Q	.V	.	.	.
12.033	0.5470	0.89	.	Q	.V	.	.	.
12.050	0.5482	0.90	.	Q	.V	.	.	.
12.067	0.5495	0.90	.	Q	.V	.	.	.
12.083	0.5507	0.90	.	Q	.V	.	.	.
12.100	0.5519	0.90	.	Q	.V	.	.	.

12.117	0.5532	0.90	.	Q	.V	.	.	.
12.133	0.5544	0.90	.	Q	.V	.	.	.
12.150	0.5557	0.91	.	Q	.V	.	.	.
12.167	0.5569	0.91	.	Q	.V	.	.	.
12.183	0.5582	0.91	.	Q	.V	.	.	.
12.200	0.5594	0.91	.	Q	.V	.	.	.
12.217	0.5607	0.91	.	Q	.V	.	.	.
12.233	0.5619	0.91	.	Q	.V	.	.	.
12.250	0.5632	0.91	.	Q	.V	.	.	.
12.267	0.5644	0.91	.	Q	.V	.	.	.
12.283	0.5657	0.91	.	Q	.V	.	.	.
12.300	0.5669	0.91	.	Q	.V	.	.	.
12.317	0.5682	0.91	.	Q	.V	.	.	.
12.333	0.5694	0.91	.	Q	.V	.	.	.
12.350	0.5707	0.91	.	Q	.V	.	.	.
12.367	0.5720	0.91	.	Q	.V	.	.	.
12.383	0.5732	0.91	.	Q	.V	.	.	.
12.400	0.5745	0.91	.	Q	.V	.	.	.
12.417	0.5757	0.91	.	Q	.V	.	.	.
12.433	0.5770	0.92	.	Q	.V	.	.	.
12.450	0.5783	0.92	.	Q	. V	.	.	.
12.467	0.5795	0.92	.	Q	. V	.	.	.
12.483	0.5808	0.92	.	Q	. V	.	.	.
12.500	0.5821	0.92	.	Q	. V	.	.	.
12.517	0.5833	0.92	.	Q	. V	.	.	.
12.533	0.5846	0.93	.	Q	. V	.	.	.
12.550	0.5859	0.93	.	Q	. V	.	.	.
12.567	0.5872	0.93	.	Q	. V	.	.	.
12.583	0.5884	0.93	.	Q	. V	.	.	.
12.600	0.5897	0.93	.	Q	. V	.	.	.
12.617	0.5910	0.93	.	Q	. V	.	.	.
12.633	0.5923	0.93	.	Q	. V	.	.	.
12.650	0.5936	0.94	.	Q	. V	.	.	.
12.667	0.5949	0.94	.	Q	. V	.	.	.
12.683	0.5962	0.94	.	Q	. V	.	.	.
12.700	0.5975	0.94	.	Q	. V	.	.	.
12.717	0.5988	0.94	.	Q	. V	.	.	.
12.733	0.6001	0.95	.	Q	. V	.	.	.
12.750	0.6014	0.95	.	Q	. V	.	.	.
12.767	0.6027	0.95	.	Q	. V	.	.	.
12.783	0.6040	0.95	.	Q	. V	.	.	.
12.800	0.6053	0.95	.	Q	. V	.	.	.
12.817	0.6066	0.96	.	Q	. V	.	.	.
12.833	0.6080	0.96	.	Q	. V	.	.	.
12.850	0.6093	0.96	.	Q	. V	.	.	.
12.867	0.6106	0.96	.	Q	. V	.	.	.
12.883	0.6119	0.97	.	Q	. V	.	.	.
12.900	0.6133	0.97	.	Q	. V	.	.	.
12.917	0.6146	0.97	.	Q	. V	.	.	.
12.933	0.6160	0.97	.	Q	. V	.	.	.
12.950	0.6173	0.98	.	Q	. V	.	.	.
12.967	0.6186	0.98	.	Q	. V	.	.	.
12.983	0.6200	0.98	.	Q	. V	.	.	.
13.000	0.6214	0.98	.	Q	. V	.	.	.
13.017	0.6227	0.99	.	Q	. V	.	.	.
13.033	0.6241	0.99	.	Q	. V	.	.	.
13.050	0.6254	0.99	.	Q	. V	.	.	.
13.067	0.6268	0.99	.	Q	. V	.	.	.
13.083	0.6282	0.99	.	Q	. V	.	.	.

13.100	0.6295	1.00	.	Q	. V	.	.	.
13.117	0.6309	1.00	.	Q	. V	.	.	.
13.133	0.6323	1.00	.	Q	. V	.	.	.
13.150	0.6337	1.01	.	Q	. V	.	.	.
13.167	0.6351	1.01	.	Q	. V	.	.	.
13.183	0.6365	1.01	.	Q	. V	.	.	.
13.200	0.6379	1.01	.	Q	. V	.	.	.
13.217	0.6393	1.02	.	Q	. V	.	.	.
13.233	0.6407	1.02	.	Q	. V	.	.	.
13.250	0.6421	1.02	.	Q	. V	.	.	.
13.267	0.6435	1.03	.	Q	. V	.	.	.
13.283	0.6449	1.03	.	Q	. V	.	.	.
13.300	0.6463	1.03	.	Q	. V	.	.	.
13.317	0.6478	1.04	.	Q	. V	.	.	.
13.333	0.6492	1.04	.	Q	. V	.	.	.
13.350	0.6506	1.04	.	Q	. V	.	.	.
13.367	0.6521	1.04	.	Q	. V	.	.	.
13.383	0.6535	1.05	.	Q	. V	.	.	.
13.400	0.6549	1.05	.	Q	. V	.	.	.
13.417	0.6564	1.05	.	Q	. V	.	.	.
13.433	0.6578	1.05	.	Q	. V	.	.	.
13.450	0.6593	1.06	.	Q	. V	.	.	.
13.467	0.6608	1.06	.	Q	. V	.	.	.
13.483	0.6622	1.06	.	Q	. V	.	.	.
13.500	0.6637	1.07	.	Q	. V	.	.	.
13.517	0.6652	1.07	.	Q	. V	.	.	.
13.533	0.6667	1.07	.	Q	. V	.	.	.
13.550	0.6681	1.08	.	Q	. V	.	.	.
13.567	0.6696	1.08	.	Q	. V	.	.	.
13.583	0.6711	1.09	.	Q	. V	.	.	.
13.600	0.6726	1.09	.	Q	. V	.	.	.
13.617	0.6741	1.09	.	Q	. V	.	.	.
13.633	0.6756	1.10	.	Q	. V	.	.	.
13.650	0.6772	1.10	.	Q	. V	.	.	.
13.667	0.6787	1.10	.	Q	. V	.	.	.
13.683	0.6802	1.11	.	Q	. V	.	.	.
13.700	0.6817	1.11	.	Q	. V	.	.	.
13.717	0.6833	1.11	.	Q	. V	.	.	.
13.733	0.6848	1.12	.	Q	. V	.	.	.
13.750	0.6863	1.12	.	Q	. V	.	.	.
13.767	0.6879	1.12	.	Q	. V	.	.	.
13.783	0.6894	1.13	.	Q	. V	.	.	.
13.800	0.6910	1.13	.	Q	. V	.	.	.
13.817	0.6926	1.13	.	Q	. V	.	.	.
13.833	0.6941	1.14	.	Q	. V	.	.	.
13.850	0.6957	1.14	.	Q	. V	.	.	.
13.867	0.6973	1.15	.	Q	. V	.	.	.
13.883	0.6989	1.15	.	Q	. V	.	.	.
13.900	0.7005	1.15	.	Q	. V	.	.	.
13.917	0.7021	1.16	.	Q	. V	.	.	.
13.933	0.7037	1.16	.	Q	. V	.	.	.
13.950	0.7053	1.17	.	Q	. V	.	.	.
13.967	0.7069	1.17	.	Q	. V	.	.	.
13.983	0.7085	1.18	.	Q	. V	.	.	.
14.000	0.7101	1.18	.	Q	. V	.	.	.
14.017	0.7118	1.19	.	Q	. V	.	.	.
14.033	0.7134	1.19	.	Q	. V	.	.	.
14.050	0.7151	1.20	.	Q	. V	.	.	.
14.067	0.7167	1.20	.	Q	. V	.	.	.

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14.083      0.7184      1.20  .   Q     .   V     .         .         .
14.100      0.7200      1.21  .   Q     .   V     .         .         .
14.117      0.7217      1.21  .   Q     .   V     .         .         .
14.133      0.7234      1.22  .   Q     .    V    .         .         .
14.150      0.7251      1.22  .   Q     .    V    .         .         .
14.167      0.7267      1.22  .   Q     .    V    .         .         .
14.183      0.7284      1.23  .   Q     .    V    .         .         .
14.200      0.7301      1.23  .   Q     .    V    .         .         .
14.217      0.7318      1.23  .   Q     .    V    .         .         .
14.233      0.7335      1.23  .   Q     .    V    .         .         .
14.250      0.7352      1.24  .   Q     .    V    .         .         .
14.267      0.7369      1.24  .   Q     .    V    .         .         .
14.283      0.7386      1.24  .   Q     .    V    .         .         .
14.300      0.7404      1.24  .   Q     .    V    .         .         .
14.317      0.7421      1.25  .   Q     .    V    .         .         .
14.333      0.7438      1.25  .   Q     .    V    .         .         .
14.350      0.7455      1.25  .    Q    .    V    .         .         .
14.367      0.7472      1.25  .    Q    .    V    .         .         .
14.383      0.7490      1.26  .    Q    .    V    .         .         .
14.400      0.7507      1.26  .    Q    .    V    .         .         .
14.417      0.7524      1.26  .    Q    .    V    .         .         .
14.433      0.7542      1.26  .    Q    .    V    .         .         .
14.450      0.7559      1.27  .    Q    .    V    .         .         .
14.467      0.7577      1.27  .    Q    .    V    .         .         .
14.483      0.7594      1.27  .    Q    .    V    .         .         .
14.500      0.7612      1.28  .    Q    .    V    .         .         .
14.517      0.7630      1.28  .    Q    .    V    .         .         .
14.533      0.7647      1.29  .    Q    .    V    .         .         .
14.550      0.7665      1.29  .    Q    .    V    .         .         .
14.567      0.7683      1.29  .    Q    .    V    .         .         .
14.583      0.7701      1.30  .    Q    .     V   .         .         .
14.600      0.7719      1.30  .    Q    .     V   .         .         .
14.617      0.7737      1.31  .    Q    .     V   .         .         .
14.633      0.7755      1.32  .    Q    .     V   .         .         .
14.650      0.7773      1.32  .    Q    .     V   .         .         .
14.667      0.7792      1.33  .    Q    .     V   .         .         .
14.683      0.7810      1.34  .    Q    .     V   .         .         .
14.700      0.7829      1.35  .    Q    .     V   .         .         .
14.717      0.7847      1.35  .    Q    .     V   .         .         .
14.733      0.7866      1.36  .    Q    .     V   .         .         .
14.750      0.7885      1.37  .    Q    .     V   .         .         .
14.767      0.7904      1.38  .    Q    .     V   .         .         .
14.783      0.7923      1.38  .    Q    .     V   .         .         .
14.800      0.7942      1.39  .    Q    .     V   .         .         .
14.817      0.7961      1.40  .    Q    .     V   .         .         .
14.833      0.7981      1.41  .    Q    .     V   .         .         .
14.850      0.8000      1.41  .    Q    .     V   .         .         .
14.867      0.8020      1.42  .    Q    .     V   .         .         .
14.883      0.8039      1.43  .    Q    .     V   .         .         .
14.900      0.8059      1.43  .    Q    .     V   .         .         .
14.917      0.8079      1.44  .    Q    .     V   .         .         .
14.933      0.8099      1.45  .    Q    .     V   .         .         .
14.950      0.8119      1.46  .    Q    .     V   .         .         .
14.967      0.8139      1.47  .    Q    .     V   .         .         .
14.983      0.8160      1.48  .    Q    .     V   .         .         .
15.000      0.8180      1.49  .    Q    .     V   .         .         .
15.017      0.8201      1.50  .     Q   .      V  .         .         .
15.033      0.8222      1.51  .     Q   .      V  .         .         .
15.050      0.8243      1.53  .     Q   .      V  .         .         .
15.067      0.8264      1.54  .     Q   .      V  .         .         .
15.083      0.8285      1.55  .     Q   .      V  .         .         .
15.100      0.8307      1.56  .     Q   .      V  .         .         .
15.117      0.8328      1.58  .     Q   .      V  .         .         .
15.133      0.8350      1.59  .     Q   .      V  .         .         .
15.150      0.8372      1.60  .     Q   .      V  .         .         .
15.167      0.8395      1.61  .     Q   .      V  .         .         .
15.183      0.8417      1.62  .     Q   .      V  .         .         .
15.200      0.8439      1.64  .     Q   .      V  .         .         .
15.217      0.8462      1.65  .     Q   .      V  .         .         .
15.233      0.8485      1.66  .     Q   .      V  .         .         .
15.250      0.8508      1.67  .     Q   .      V  .         .         .
15.267      0.8531      1.68  .     Q   .      V  .         .         .
15.283      0.8555      1.70  .     Q   .      V  .         .         .
15.300      0.8578      1.72  .     Q   .      V  .         .         .
15.317      0.8602      1.74  .     Q   .      V  .         .         .
15.333      0.8627      1.76  .      Q  .      V  .         .         .
15.350      0.8651      1.79  .      Q  .      V  .         .         .
15.367      0.8676      1.81  .      Q  .       V .         .         .
15.383      0.8702      1.85  .      Q  .       V .         .         .
15.400      0.8727      1.88  .      Q  .       V .         .         .
15.417      0.8754      1.91  .      Q  .       V .         .         .
15.433      0.8781      1.95  .      Q  .       V .         .         .
15.450      0.8808      1.99  .      Q  .       V .         .         .
15.467      0.8836      2.03  .       Q .       V .         .         .
15.483      0.8864      2.07  .       Q .       V .         .         .
15.500      0.8894      2.12  .       Q .       V .         .         .
15.517      0.8923      2.17  .       Q .       V .         .         .
15.533      0.8954      2.22  .       Q .       V .         .         .
15.550      0.8985      2.27  .        Q.       V .         .         .
15.567      0.9017      2.33  .        Q.       V .         .         .
15.583      0.9050      2.38  .        Q.       V .         .         .
15.600      0.9084      2.44  .        Q.       V .         .         .
15.617      0.9118      2.50  .         Q       V .         .         .
15.633      0.9154      2.57  .         Q        V.         .         .
15.650      0.9190      2.63  .         Q        V.         .         .
15.667      0.9227      2.69  .         Q        V.         .         .
15.683      0.9264      2.72  .         Q        V.         .         .
15.700      0.9302      2.74  .         Q        V.         .         .
15.717      0.9340      2.77  .         .Q       V.         .         .
15.733      0.9379      2.79  .         .Q       V.         .         .
15.750      0.9417      2.82  .         .Q       V.         .         .
15.767      0.9457      2.84  .         .Q       V.         .         .
15.783      0.9496      2.87  .         .Q       V.         .         .
15.800      0.9536      2.90  .         .Q       V.         .         .
15.817      0.9577      2.93  .         .Q       V.         .         .
15.833      0.9617      2.96  .         .Q       V.         .         .
15.850      0.9659      3.00  .         .Q        V         .         .
15.867      0.9700      3.03  .         . Q       V         .         .
15.883      0.9743      3.07  .         . Q       V         .         .
15.900      0.9785      3.10  .         . Q       V         .         .
15.917      0.9829      3.14  .         . Q       V         .         .
15.933      0.9872      3.18  .         . Q       V         .         .
15.950      0.9917      3.23  .         . Q       V         .         .
15.967      0.9962      3.27  .         .  Q      V         .         .
15.983      1.0008      3.32  .         .  Q      V         .         .
16.000      1.0054      3.36  .         .  Q      V         .         .
16.017      1.0101      3.41  .         .  Q      V         .         .
16.033      1.0149      3.48  .         .  Q      .V        .         .
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16.050      1.0198      3.55  .         .   Q     .V        .         .
16.067      1.0248      3.64  .         .   Q     .V        .         .
16.083      1.0300      3.74  .         .   Q     .V        .         .
16.100      1.0353      3.86  .         .    Q    .V        .         .
16.117      1.0408      3.98  .         .    Q    .V        .         .
16.133      1.0464      4.12  .         .     Q   .V        .         .
16.150      1.0523      4.27  .         .      Q  .V        .         .
16.167      1.0584      4.44  .         .      Q  .V        .         .
16.183      1.0648      4.61  .         .       Q . V       .         .
16.200      1.0713      4.77  .         .        Q. V       .         .
16.217      1.0781      4.88  .         .        Q. V       .         .
16.233      1.0849      4.95  .         .        Q. V       .         .
16.250      1.0918      5.02  .         .         Q V       .         .
16.267      1.0988      5.07  .         .         Q V       .         .
16.283      1.1058      5.11  .         .         Q V       .         .
16.300      1.1129      5.15  .         .         Q  V      .         .
16.317      1.1201      5.17  .         .         Q  V      .         .
16.333      1.1272      5.19  .         .         Q  V      .         .
16.350      1.1344      5.20  .         .         Q  V      .         .
16.367      1.1415      5.20  .         .         Q  V      .         .
16.383      1.1487      5.18  .         .         Q  V      .         .
16.400      1.1558      5.17  .         .         Q   V     .         .
16.417      1.1629      5.15  .         .         Q   V     .         .
16.433      1.1700      5.13  .         .         Q   V     .         .
16.450      1.1770      5.11  .         .         Q   V     .         .
16.467      1.1840      5.09  .         .         Q   V     .         .
16.483      1.1910      5.07  .         .         Q   V     .         .
16.500      1.1979      5.04  .         .         Q   V     .         .
16.517      1.2048      5.01  .         .         Q    V    .         .
16.533      1.2117      4.98  .         .        Q.    V    .         .
16.550      1.2185      4.95  .         .        Q.    V    .         .
16.567      1.2253      4.92  .         .        Q.    V    .         .
16.583      1.2320      4.89  .         .        Q.    V    .         .
16.600      1.2387      4.86  .         .        Q.    V    .         .
16.617      1.2454      4.82  .         .        Q.    V    .         .
16.633      1.2520      4.78  .         .        Q.     V   .         .
16.650      1.2584      4.71  .         .       Q .     V   .         .
16.667      1.2648      4.65  .         .       Q .     V   .         .
16.683      1.2712      4.58  .         .       Q .     V   .         .
16.700      1.2774      4.52  .         .       Q .     V   .         .
16.717      1.2835      4.45  .         .      Q  .     V   .         .
16.733      1.2895      4.39  .         .      Q  .     V   .         .
16.750      1.2955      4.33  .         .      Q  .     V   .         .
16.767      1.3014      4.26  .         .      Q  .      V  .         .
16.783      1.3072      4.20  .         .     Q   .      V  .         .
16.800      1.3129      4.14  .         .     Q   .      V  .         .
16.817      1.3185      4.08  .         .     Q   .      V  .         .
16.833      1.3240      4.02  .         .     Q   .      V  .         .
16.850      1.3295      3.97  .         .    Q    .      V  .         .
16.867      1.3349      3.91  .         .    Q    .      V  .         .
16.883      1.3402      3.85  .         .    Q    .      V  .         .
16.900      1.3454      3.80  .         .    Q    .      V  .         .
16.917      1.3506      3.75  .         .   Q     .       V .         .
16.933      1.3557      3.69  .         .   Q     .       V .         .
16.950      1.3607      3.64  .         .   Q     .       V .         .
16.967      1.3656      3.59  .         .   Q     .       V .         .
16.983      1.3705      3.54  .         .   Q     .       V .         .
17.000      1.3753      3.49  .         .  Q      .       V .         .
17.017      1.3800      3.44  .         .  Q      .       V .         .
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17.033      1.3847      3.39  .         .  Q      .       V .         .
17.050      1.3893      3.34  .         .  Q      .       V .         .
17.067      1.3938      3.29  .         .  Q      .       V .         .
17.083      1.3983      3.25  .         . Q       .        V.         .
17.100      1.4027      3.20  .         . Q       .        V.         .
17.117      1.4071      3.16  .         . Q       .        V.         .
17.133      1.4114      3.11  .         . Q       .        V.         .
17.150      1.4156      3.07  .         . Q       .        V.         .
17.167      1.4198      3.03  .         . Q       .        V.         .
17.183      1.4239      2.99  .         .Q        .        V.         .
17.200      1.4279      2.95  .         .Q        .        V.         .
17.217      1.4319      2.91  .         .Q        .        V.         .
17.233      1.4359      2.87  .         .Q        .        V.         .
17.250      1.4398      2.83  .         .Q        .        V.         .
17.267      1.4436      2.79  .         .Q        .         V         .
17.283      1.4474      2.76  .         .Q        .         V         .
17.300      1.4512      2.72  .         Q         .         V         .
17.317      1.4548      2.66  .         Q         .         V         .
17.333      1.4584      2.56  .         Q         .         V         .
17.350      1.4618      2.47  .        Q.         .         V         .
17.367      1.4650      2.38  .        Q.         .         V         .
17.383      1.4682      2.30  .        Q.         .         V         .
17.400      1.4713      2.22  .       Q .         .         V         .
17.417      1.4742      2.14  .       Q .         .         V         .
17.433      1.4771      2.08  .       Q .         .         V         .
17.450      1.4798      2.01  .       Q .         .         V         .
17.467      1.4825      1.95  .      Q  .         .         V         .
17.483      1.4851      1.89  .      Q  .         .         V         .
17.500      1.4877      1.84  .      Q  .         .         V         .
17.517      1.4901      1.79  .      Q  .         .         V         .
17.533      1.4925      1.74  .     Q   .         .         .V        .
17.550      1.4949      1.70  .     Q   .         .         .V        .
17.567      1.4972      1.66  .     Q   .         .         .V        .
17.583      1.4994      1.62  .     Q   .         .         .V        .
17.600      1.5016      1.58  .     Q   .         .         .V        .
17.617      1.5037      1.54  .     Q   .         .         .V        .
17.633      1.5058      1.51  .     Q   .         .         .V        .
17.650      1.5078      1.48  .    Q    .         .         .V        .
17.667      1.5098      1.45  .    Q    .         .         .V        .
17.683      1.5118      1.42  .    Q    .         .         .V        .
17.700      1.5137      1.40  .    Q    .         .         .V        .
17.717      1.5156      1.37  .    Q    .         .         .V        .
17.733      1.5174      1.35  .    Q    .         .         .V        .
17.750      1.5193      1.32  .    Q    .         .         .V        .
17.767      1.5211      1.30  .    Q    .         .         .V        .
17.783      1.5228      1.28  .    Q    .         .         .V        .
17.800      1.5246      1.26  .    Q    .         .         .V        .
17.817      1.5263      1.25  .   Q     .         .         .V        .
17.833      1.5280      1.23  .   Q     .         .         .V        .
17.850      1.5296      1.21  .   Q     .         .         .V        .
17.867      1.5313      1.20  .   Q     .         .         .V        .
17.883      1.5329      1.18  .   Q     .         .         .V        .
17.900      1.5345      1.17  .   Q     .         .         .V        .
17.917      1.5361      1.15  .   Q     .         .         .V        .
17.933      1.5377      1.14  .   Q     .         .         .V        .
17.950      1.5392      1.13  .   Q     .         .         .V        .
17.967      1.5408      1.11  .   Q     .         .         . V       .
17.983      1.5423      1.10  .   Q     .         .         . V       .
18.000      1.5438      1.09  .   Q     .         .         . V       .
```

18.017	1.5453	1.08	.	Q	.	.	.	V	.	
18.033	1.5467	1.07	.	Q	.	.	.	V	.	
18.050	1.5482	1.06	.	Q	.	.	.	V	.	
18.067	1.5497	1.05	.	Q	.	.	.	V	.	
18.083	1.5511	1.04	.	Q	.	.	.	V	.	
18.100	1.5525	1.04	.	Q	.	.	.	V	.	
18.117	1.5539	1.03	.	Q	.	.	.	V	.	
18.133	1.5553	1.02	.	Q	.	.	.	V	.	
18.150	1.5567	1.01	.	Q	.	.	.	V	.	
18.167	1.5581	1.01	.	Q	.	.	.	V	.	
18.183	1.5595	1.00	.	Q	.	.	.	V	.	
18.200	1.5609	1.00	.	Q	.	.	.	V	.	
18.217	1.5622	0.99	.	Q	.	.	.	V	.	
18.233	1.5636	0.99	.	Q	.	.	.	V	.	
18.250	1.5650	0.98	.	Q	.	.	.	V	.	
18.267	1.5663	0.98	.	Q	.	.	.	V	.	
18.283	1.5676	0.97	.	Q	.	.	.	V	.	
18.300	1.5690	0.97	.	Q	.	.	.	V	.	
18.317	1.5703	0.96	.	Q	.	.	.	V	.	
18.333	1.5716	0.96	.	Q	.	.	.	V	.	
18.350	1.5729	0.95	.	Q	.	.	.	V	.	
18.367	1.5742	0.95	.	Q	.	.	.	V	.	
18.383	1.5755	0.95	.	Q	.	.	.	V	.	
18.400	1.5768	0.94	.	Q	.	.	.	V	.	
18.417	1.5781	0.94	.	Q	.	.	.	V	.	
18.433	1.5794	0.93	.	Q	.	.	.	V	.	
18.450	1.5807	0.93	.	Q	.	.	.	V	.	
18.467	1.5820	0.93	.	Q	.	.	.	V	.	
18.483	1.5832	0.92	.	Q	.	.	.	V	.	
18.500	1.5845	0.92	.	Q	.	.	.	V	.	
18.517	1.5858	0.91	.	Q	.	.	.	V	.	
18.533	1.5870	0.91	.	Q	.	.	.	V	.	
18.550	1.5883	0.91	.	Q	.	.	.	V	.	
18.567	1.5895	0.90	.	Q	.	.	.	V	.	
18.583	1.5908	0.90	.	Q	.	.	.	V	.	
18.600	1.5920	0.90	.	Q	.	.	.	V	.	
18.617	1.5932	0.89	.	Q	.	.	.	V	.	
18.633	1.5944	0.89	.	Q	.	.	.	V	.	
18.650	1.5957	0.89	.	Q	.	.	.	V	.	
18.667	1.5969	0.88	.	Q	.	.	.	V	.	
18.683	1.5981	0.88	.	Q	.	.	.	V	.	
18.700	1.5993	0.88	.	Q	.	.	.	V	.	
18.717	1.6005	0.87	.	Q	.	.	.	V	.	
18.733	1.6017	0.87	.	Q	.	.	.	V	.	
18.750	1.6029	0.87	.	Q	.	.	.	V	.	
18.767	1.6041	0.86	.	Q	.	.	.	V	.	
18.783	1.6053	0.86	.	Q	.	.	.	V	.	
18.800	1.6064	0.86	.	Q	.	.	.	V	.	
18.817	1.6076	0.85	.	Q	.	.	.	V	.	
18.833	1.6088	0.85	.	Q	.	.	.	V	.	
18.850	1.6100	0.85	.	Q	.	.	.	V	.	
18.867	1.6111	0.84	.	Q	.	.	.	V	.	
18.883	1.6123	0.84	.	Q	.	.	.	V	.	
18.900	1.6134	0.84	.	Q	.	.	.	V	.	
18.917	1.6146	0.84	.	Q	.	.	.	V	.	
18.933	1.6157	0.83	.	Q	.	.	.	V	.	
18.950	1.6169	0.83	.	Q	.	.	.	V	.	
18.967	1.6180	0.83	.	Q	.	.	.	V	.	
18.983	1.6192	0.82	.	Q	.	.	.	V	.	

19.000	1.6203	0.82	.	Q	.	.	.	V	.	
19.017	1.6214	0.82	.	Q	.	.	.	V	.	
19.033	1.6225	0.82	.	Q	.	.	.	V	.	
19.050	1.6237	0.81	.	Q	.	.	.	V	.	
19.067	1.6248	0.81	.	Q	.	.	.	V	.	
19.083	1.6259	0.81	.	Q	.	.	.	V	.	
19.100	1.6270	0.81	.	Q	.	.	.	V	.	
19.117	1.6281	0.80	.	Q	.	.	.	V	.	
19.133	1.6292	0.80	.	Q	.	.	.	V	.	
19.150	1.6303	0.80	.	Q	.	.	.	V	.	
19.167	1.6314	0.80	.	Q	.	.	.	V	.	
19.183	1.6325	0.79	.	Q	.	.	.	V	.	
19.200	1.6336	0.79	.	Q	.	.	.	V	.	
19.217	1.6347	0.79	.	Q	.	.	.	V	.	
19.233	1.6358	0.79	.	Q	.	.	.	V	.	
19.250	1.6368	0.78	.	Q	.	.	.	V	.	
19.267	1.6379	0.78	.	Q	.	.	.	V	.	
19.283	1.6390	0.78	.	Q	.	.	.	V	.	
19.300	1.6401	0.78	.	Q	.	.	.	V	.	
19.317	1.6411	0.78	.	Q	.	.	.	V	.	
19.333	1.6422	0.77	.	Q	.	.	.	V	.	
19.350	1.6433	0.77	.	Q	.	.	.	V	.	
19.367	1.6443	0.77	.	Q	.	.	.	V	.	
19.383	1.6454	0.77	.	Q	.	.	.	V	.	
19.400	1.6464	0.76	.	Q	.	.	.	V	.	
19.417	1.6475	0.76	.	Q	.	.	.	V	.	
19.433	1.6485	0.76	.	Q	.	.	.	V	.	
19.450	1.6496	0.76	.	Q	.	.	.	V	.	
19.467	1.6506	0.76	.	Q	.	.	.	V	.	
19.483	1.6516	0.75	.	Q	.	.	.	V	.	
19.500	1.6527	0.75	.	Q	.	.	.	V	.	
19.517	1.6537	0.75	.	Q	.	.	.	V	.	
19.533	1.6547	0.75	.	Q	.	.	.	V	.	
19.550	1.6558	0.75	.	Q	.	.	.	V	.	
19.567	1.6568	0.74	.	Q	.	.	.	V	.	
19.583	1.6578	0.74	.	Q	.	.	.	V	.	
19.600	1.6588	0.74	.	Q	.	.	.	V	.	
19.617	1.6598	0.74	.	Q	.	.	.	V	.	
19.633	1.6609	0.74	.	Q	.	.	.	V	.	
19.650	1.6619	0.73	.	Q	.	.	.	V	.	
19.667	1.6629	0.73	.	Q	.	.	.	V	.	
19.683	1.6639	0.73	.	Q	.	.	.	V	.	
19.700	1.6649	0.73	.	Q	.	.	.	V	.	
19.717	1.6659	0.73	.	Q	.	.	.	V	.	
19.733	1.6669	0.72	.	Q	.	.	.	V	.	
19.750	1.6679	0.72	.	Q	.	.	.	V	.	
19.767	1.6689	0.72	.	Q	.	.	.	V	.	
19.783	1.6699	0.72	.	Q	.	.	.	V	.	
19.800	1.6708	0.72	.	Q	.	.	.	V	.	
19.817	1.6718	0.71	.	Q	.	.	.	V	.	
19.833	1.6728	0.71	.	Q	.	.	.	V	.	
19.850	1.6738	0.71	.	Q	.	.	.	V	.	
19.867	1.6748	0.71	.	Q	.	.	.	V	.	
19.883	1.6757	0.71	.	Q	.	.	.	V	.	
19.900	1.6767	0.71	.	Q	.	.	.	V	.	
19.917	1.6777	0.70	.	Q	.	.	.	V	.	
19.933	1.6786	0.70	.	Q	.	.	.	V	.	
19.950	1.6796	0.70	.	Q	.	.	.	V	.	
19.967	1.6806	0.70	.	Q	.	.	.	V	.	

19.983	1.6815	0.70	.	Q	.	.	.	V	.	
20.000	1.6825	0.70	.	Q	.	.	.	V	.	
20.017	1.6835	0.69	.	Q	.	.	.	V	.	
20.033	1.6844	0.69	.	Q	.	.	.	V	.	
20.050	1.6854	0.69	.	Q	.	.	.	V	.	
20.067	1.6863	0.69	.	Q	.	.	.	V	.	
20.083	1.6873	0.69	.	Q	.	.	.	V	.	
20.100	1.6882	0.69	.	Q	.	.	.	V	.	
20.117	1.6891	0.68	.	Q	.	.	.	V	.	
20.133	1.6901	0.68	.	Q	.	.	.	V	.	
20.150	1.6910	0.68	.	Q	.	.	.	V	.	
20.167	1.6920	0.68	.	Q	.	.	.	V	.	
20.183	1.6929	0.68	.	Q	.	.	.	V	.	
20.200	1.6938	0.68	.	Q	.	.	.	V	.	
20.217	1.6948	0.68	.	Q	.	.	.	V	.	
20.233	1.6957	0.67	.	Q	.	.	.	V	.	
20.250	1.6966	0.67	.	Q	.	.	.	V	.	
20.267	1.6975	0.67	.	Q	.	.	.	V	.	
20.283	1.6985	0.67	.	Q	.	.	.	V	.	
20.300	1.6994	0.67	.	Q	.	.	.	V	.	
20.317	1.7003	0.67	.	Q	.	.	.	V	.	
20.333	1.7012	0.67	.	Q	.	.	.	V	.	
20.350	1.7021	0.66	.	Q	.	.	.	V	.	
20.367	1.7030	0.66	.	Q	.	.	.	V	.	
20.383	1.7040	0.66	.	Q	.	.	.	V	.	
20.400	1.7049	0.66	.	Q	.	.	.	V	.	
20.417	1.7058	0.66	.	Q	.	.	.	V	.	
20.433	1.7067	0.66	.	Q	.	.	.	V	.	
20.450	1.7076	0.66	.	Q	.	.	.	V	.	
20.467	1.7085	0.65	.	Q	.	.	.	V	.	
20.483	1.7094	0.65	.	Q	.	.	.	V	.	
20.500	1.7103	0.65	.	Q	.	.	.	V	.	
20.517	1.7112	0.65	.	Q	.	.	.	V	.	
20.533	1.7121	0.65	.	Q	.	.	.	V	.	
20.550	1.7130	0.65	.	Q	.	.	.	V	.	
20.567	1.7138	0.65	.	Q	.	.	.	V	.	
20.583	1.7147	0.64	.	Q	.	.	.	V	.	
20.600	1.7156	0.64	.	Q	.	.	.	V	.	
20.617	1.7165	0.64	.	Q	.	.	.	V	.	
20.633	1.7174	0.64	.	Q	.	.	.	V	.	
20.650	1.7183	0.64	.	Q	.	.	.	V	.	
20.667	1.7191	0.64	.	Q	.	.	.	V	.	
20.683	1.7200	0.64	.	Q	.	.	.	V	.	
20.700	1.7209	0.64	.	Q	.	.	.	V	.	
20.717	1.7218	0.63	.	Q	.	.	.	V	.	
20.733	1.7226	0.63	.	Q	.	.	.	V	.	
20.750	1.7235	0.63	.	Q	.	.	.	V	.	
20.767	1.7244	0.63	.	Q	.	.	.	V	.	
20.783	1.7252	0.63	.	Q	.	.	.	V	.	
20.800	1.7261	0.63	.	Q	.	.	.	V	.	
20.817	1.7270	0.63	.	Q	.	.	.	V	.	
20.833	1.7278	0.63	.	Q	.	.	.	V	.	
20.850	1.7287	0.62	.	Q	.	.	.	V	.	
20.867	1.7296	0.62	.	Q	.	.	.	V	.	
20.883	1.7304	0.62	.	Q	.	.	.	V	.	
20.900	1.7313	0.62	.	Q	.	.	.	V	.	
20.917	1.7321	0.62	.	Q	.	.	.	V	.	
20.933	1.7330	0.62	.	Q	.	.	.	V	.	
20.950	1.7338	0.62	.	Q	.	.	.	V	.	
20.967	1.7347	0.62	.	Q	.	.	.	V	.	
20.983	1.7355	0.62	.	Q	.	.	.	V	.	
21.000	1.7364	0.61	.	Q	.	.	.	V	.	
21.017	1.7372	0.61	.	Q	.	.	.	V	.	
21.033	1.7381	0.61	.	Q	.	.	.	V	.	
21.050	1.7389	0.61	.	Q	.	.	.	V	.	
21.067	1.7397	0.61	.	Q	.	.	.	V	.	
21.083	1.7406	0.61	.	Q	.	.	.	V	.	
21.100	1.7414	0.61	.	Q	.	.	.	V	.	
21.117	1.7423	0.61	.	Q	.	.	.	V	.	
21.133	1.7431	0.61	.	Q	.	.	.	V	.	
21.150	1.7439	0.60	.	Q	.	.	.	V	.	
21.167	1.7448	0.60	.	Q	.	.	.	V	.	
21.183	1.7456	0.60	.	Q	.	.	.	V	.	
21.200	1.7464	0.60	.	Q	.	.	.	V	.	
21.217	1.7472	0.60	.	Q	.	.	.	V	.	
21.233	1.7481	0.60	.	Q	.	.	.	V	.	
21.250	1.7489	0.60	.	Q	.	.	.	V	.	
21.267	1.7497	0.60	.	Q	.	.	.	V	.	
21.283	1.7505	0.60	.	Q	.	.	.	V	.	
21.300	1.7513	0.59	.	Q	.	.	.	V	.	
21.317	1.7522	0.59	.	Q	.	.	.	V	.	
21.333	1.7530	0.59	.	Q	.	.	.	V	.	
21.350	1.7538	0.59	.	Q	.	.	.	V	.	
21.367	1.7546	0.59	.	Q	.	.	.	V	.	
21.383	1.7554	0.59	.	Q	.	.	.	V	.	
21.400	1.7562	0.59	.	Q	.	.	.	V	.	
21.417	1.7570	0.59	.	Q	.	.	.	V	.	
21.433	1.7579	0.59	.	Q	.	.	.	V	.	
21.450	1.7587	0.59	.	Q	.	.	.	V	.	
21.467	1.7595	0.58	.	Q	.	.	.	V	.	
21.483	1.7603	0.58	.	Q	.	.	.	V	.	
21.500	1.7611	0.58	.	Q	.	.	.	V	.	
21.517	1.7619	0.58	.	Q	.	.	.	V	.	
21.533	1.7627	0.58	.	Q	.	.	.	V	.	
21.550	1.7635	0.58	.	Q	.	.	.	V	.	
21.567	1.7643	0.58	.	Q	.	.	.	V	.	
21.583	1.7651	0.58	.	Q	.	.	.	V	.	
21.600	1.7659	0.58	.	Q	.	.	.	V	.	
21.617	1.7667	0.58	.	Q	.	.	.	V	.	
21.633	1.7674	0.58	.	Q	.	.	.	V	.	
21.650	1.7682	0.57	.	Q	.	.	.	V	.	
21.667	1.7690	0.57	.	Q	.	.	.	V	.	
21.683	1.7698	0.57	.	Q	.	.	.	V	.	
21.700	1.7706	0.57	.	Q	.	.	.	V	.	
21.717	1.7714	0.57	.	Q	.	.	.	V	.	
21.733	1.7722	0.57	.	Q	.	.	.	V	.	
21.750	1.7730	0.57	.	Q	.	.	.	V	.	
21.767	1.7737	0.57	.	Q	.	.	.	V	.	
21.783	1.7745	0.57	.	Q	.	.	.	V	.	
21.800	1.7753	0.57	.	Q	.	.	.	V	.	
21.817	1.7761	0.57	.	Q	.	.	.	V	.	
21.833	1.7769	0.56	.	Q	.	.	.	V	.	
21.850	1.7776	0.56	.	Q	.	.	.	V	.	
21.867	1.7784	0.56	.	Q	.	.	.	V	.	
21.883	1.7792	0.56	.	Q	.	.	.	V	.	
21.900	1.7800	0.56	.	Q	.	.	.	V	.	
21.917	1.7807	0.56	.	Q	.	.	.	V	.	
21.933	1.7815	0.56	.	Q	.	.	.	V	.	

21.950	1.7823	0.56	.	Q	.	.	.	V	.
21.967	1.7830	0.56	.	Q	.	.	.	V	.
21.983	1.7838	0.56	.	Q	.	.	.	V	.
22.000	1.7846	0.56	.	Q	.	.	.	V	.
22.017	1.7853	0.56	.	Q	.	.	.	V	.
22.033	1.7861	0.55	.	Q	.	.	.	V	.
22.050	1.7869	0.55	.	Q	.	.	.	V	.
22.067	1.7876	0.55	.	Q	.	.	.	V	.
22.083	1.7884	0.55	.	Q	.	.	.	V	.
22.100	1.7891	0.55	.	Q	.	.	.	V	.
22.117	1.7899	0.55	.	Q	.	.	.	V	.
22.133	1.7907	0.55	.	Q	.	.	.	V	.
22.150	1.7914	0.55	.	Q	.	.	.	V	.
22.167	1.7922	0.55	.	Q	.	.	.	V	.
22.183	1.7929	0.55	.	Q	.	.	.	V	.
22.200	1.7937	0.55	.	Q	.	.	.	V	.
22.217	1.7944	0.55	.	Q	.	.	.	V	.
22.233	1.7952	0.54	.	Q	.	.	.	V	.
22.250	1.7959	0.54	.	Q	.	.	.	V	.
22.267	1.7967	0.54	.	Q	.	.	.	V	.
22.283	1.7974	0.54	.	Q	.	.	.	V	.
22.300	1.7982	0.54	.	Q	.	.	.	V	.
22.317	1.7989	0.54	.	Q	.	.	.	V	.
22.333	1.7996	0.54	.	Q	.	.	.	V	.
22.350	1.8004	0.54	.	Q	.	.	.	V	.
22.367	1.8011	0.54	.	Q	.	.	.	V	.
22.383	1.8019	0.54	.	Q	.	.	.	V	.
22.400	1.8026	0.54	.	Q	.	.	.	V	.
22.417	1.8033	0.54	.	Q	.	.	.	V	.
22.433	1.8041	0.54	.	Q	.	.	.	V	.
22.450	1.8048	0.53	.	Q	.	.	.	V	.
22.467	1.8056	0.53	.	Q	.	.	.	V	.
22.483	1.8063	0.53	.	Q	.	.	.	V	.
22.500	1.8070	0.53	.	Q	.	.	.	V	.
22.517	1.8078	0.53	.	Q	.	.	.	V	.
22.533	1.8085	0.53	.	Q	.	.	.	V	.
22.550	1.8092	0.53	.	Q	.	.	.	V	.
22.567	1.8099	0.53	.	Q	.	.	.	V	.
22.583	1.8107	0.53	.	Q	.	.	.	V	.
22.600	1.8114	0.53	.	Q	.	.	.	V	.
22.617	1.8121	0.53	.	Q	.	.	.	V	.
22.633	1.8129	0.53	.	Q	.	.	.	V	.
22.650	1.8136	0.53	.	Q	.	.	.	V	.
22.667	1.8143	0.53	.	Q	.	.	.	V	.
22.683	1.8150	0.52	.	Q	.	.	.	V	.
22.700	1.8157	0.52	.	Q	.	.	.	V	.
22.717	1.8165	0.52	.	Q	.	.	.	V	.
22.733	1.8172	0.52	.	Q	.	.	.	V	.
22.750	1.8179	0.52	.	Q	.	.	.	V	.
22.767	1.8186	0.52	.	Q	.	.	.	V	.
22.783	1.8193	0.52	.	Q	.	.	.	V	.
22.800	1.8200	0.52	.	Q	.	.	.	V	.
22.817	1.8208	0.52	.	Q	.	.	.	V	.
22.833	1.8215	0.52	.	Q	.	.	.	V	.
22.850	1.8222	0.52	.	Q	.	.	.	V	.
22.867	1.8229	0.52	.	Q	.	.	.	V	.
22.883	1.8236	0.52	.	Q	.	.	.	V	.
22.900	1.8243	0.52	.	Q	.	.	.	V	.
22.917	1.8250	0.51	.	Q	.	.	.	V	.
22.933	1.8257	0.51	.	Q	.	.	.	V	.
22.950	1.8264	0.51	.	Q	.	.	.	V	.
22.967	1.8272	0.51	.	Q	.	.	.	V	.
22.983	1.8279	0.51	.	Q	.	.	.	V	.
23.000	1.8286	0.51	.	Q	.	.	.	V	.
23.017	1.8293	0.51	.	Q	.	.	.	V	.
23.033	1.8300	0.51	.	Q	.	.	.	V	.
23.050	1.8307	0.51	.	Q	.	.	.	V	.
23.067	1.8314	0.51	.	Q	.	.	.	V	.
23.083	1.8321	0.51	.	Q	.	.	.	V	.
23.100	1.8328	0.51	.	Q	.	.	.	V	.
23.117	1.8335	0.51	.	Q	.	.	.	V	.
23.133	1.8342	0.51	.	Q	.	.	.	V	.
23.150	1.8349	0.51	.	Q	.	.	.	V	.
23.167	1.8356	0.50	.	Q	.	.	.	V	.
23.183	1.8363	0.50	.	Q	.	.	.	V	.
23.200	1.8369	0.50	.	Q	.	.	.	V	.
23.217	1.8376	0.50	.	Q	.	.	.	V	.
23.233	1.8383	0.50	.	Q	.	.	.	V	.
23.250	1.8390	0.50	.	Q	.	.	.	V	.
23.267	1.8397	0.50	.	Q	.	.	.	V	.
23.283	1.8404	0.50	.	Q	.	.	.	V	.
23.300	1.8411	0.50	.	Q	.	.	.	V	.
23.317	1.8418	0.50	.	Q	.	.	.	V	.
23.333	1.8425	0.50	.	Q	.	.	.	V	.
23.350	1.8432	0.50	.	Q	.	.	.	V	.
23.367	1.8438	0.50	.	Q	.	.	.	V	.
23.383	1.8445	0.50	.	Q	.	.	.	V	.
23.400	1.8452	0.50	.	Q	.	.	.	V	.
23.417	1.8459	0.50	.	Q	.	.	.	V	.
23.433	1.8466	0.50	.	Q	.	.	.	V	.
23.450	1.8473	0.49	.	Q	.	.	.	V	.
23.467	1.8479	0.49	.	Q	.	.	.	V	.
23.483	1.8486	0.49	.	Q	.	.	.	V	.
23.500	1.8493	0.49	.	Q	.	.	.	V	.
23.517	1.8500	0.49	.	Q	.	.	.	V	.
23.533	1.8506	0.49	.	Q	.	.	.	V	.
23.550	1.8513	0.49	.	Q	.	.	.	V	.
23.567	1.8520	0.49	.	Q	.	.	.	V	.
23.583	1.8527	0.49	.	Q	.	.	.	V	.
23.600	1.8533	0.49	.	Q	.	.	.	V	.
23.617	1.8540	0.49	.	Q	.	.	.	V	.
23.633	1.8547	0.49	.	Q	.	.	.	V	.
23.650	1.8554	0.49	.	Q	.	.	.	V	.
23.667	1.8560	0.49	.	Q	.	.	.	V	.
23.683	1.8567	0.49	.	Q	.	.	.	V	.
23.700	1.8574	0.49	.	Q	.	.	.	V	.
23.717	1.8580	0.49	.	Q	.	.	.	V	.
23.733	1.8587	0.48	.	Q	.	.	.	V	.
23.750	1.8594	0.48	.	Q	.	.	.	V	.
23.767	1.8600	0.48	.	Q	.	.	.	V	.
23.783	1.8607	0.48	.	Q	.	.	.	V	.
23.800	1.8614	0.48	.	Q	.	.	.	V	.
23.817	1.8620	0.48	.	Q	.	.	.	V	.
23.833	1.8627	0.48	.	Q	.	.	.	V	.
23.850	1.8634	0.48	.	Q	.	.	.	V	.
23.867	1.8640	0.48	.	Q	.	.	.	V	.
23.883	1.8647	0.48	.	Q	.	.	.	V	.
23.900	1.8653	0.48	.	Q	.	.	.	V	.

```
   23.917      1.8660      0.48  .Q        .         .         .      V .
   23.933      1.8667      0.48  .Q        .         .         .      V .
   23.950      1.8673      0.48  .Q        .         .         .      V .
   23.967      1.8680      0.48  .Q        .         .         .      V .
   23.983      1.8686      0.48  .Q        .         .         .      V .
   24.000      1.8693      0.48  .Q        .         .         .      V .
-------------------------------------------------------------------------------
    TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
    (Note: 100% of Peak Flow Rate estimate assumed to have
    an instantaneous time duration)

    Percentile of Estimated                Duration
        Peak Flow Rate                     (minutes)
    ======================                 =========
               0%                           1441.0
              10%                           1441.0
              20%                           1425.0
              30%                            755.0
              40%                            580.0
              50%                            505.0
              60%                            365.0
              70%                            270.0
              80%                            195.0
              90%                            140.0
 ===============================================================================

   END OF FLOODSCx ROUTING ANALYSIS
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