
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)
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Analysis prepared by:

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***** DESCRIPTION OF STUDY *****
* RMV PA-3 SUBAREA A *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 100-YR EV MARCH 2019 CCHIU *

FILE NAME: 3A00EVS.DAT
TIME/DATE OF STUDY: 09:28 03/29/2019

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 100.00 TO NODE 130.00 IS CODE = 1.2

>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
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(SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA (ACRES) = 510.20
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.130
LOW LOSS FRACTION = 0.282
TIME OF CONCENTRATION (MIN.) = 13.66
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 25
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.40
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.87
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.15
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.94
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.71
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.49

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 130.15

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 60.75

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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

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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. | 296.9 | 593.9 | 890.8 | 1187.8 |
|------------|-------------|---------|----|-------|-------|-------|--------|
| 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 | 0.03 | Q | . | . | . | . |
| 0.083 | 0.0016 | 1.16 | Q | . | . | . | . |
| 0.100 | 0.0055 | 2.81 | Q | . | . | . | . |
| 0.117 | 0.0117 | 4.46 | Q | . | . | . | . |
| 0.133 | 0.0201 | 6.12 | Q | . | . | . | . |
| 0.150 | 0.0308 | 7.77 | Q | . | . | . | . |
| 0.167 | 0.0438 | 9.43 | Q | . | . | . | . |
| 0.183 | 0.0590 | 11.08 | Q | . | . | . | . |
| 0.200 | 0.0766 | 12.73 | Q | . | . | . | . |
| 0.217 | 0.0964 | 14.39 | Q | . | . | . | . |
| 0.233 | 0.1185 | 16.04 | Q | . | . | . | . |
| 0.250 | 0.1429 | 17.69 | Q | . | . | . | . |
| 0.267 | 0.1695 | 19.35 | Q | . | . | . | . |
| 0.283 | 0.1984 | 21.00 | Q | . | . | . | . |
| 0.300 | 0.2293 | 22.42 | Q | . | . | . | . |
| 0.317 | 0.2604 | 22.60 | Q | . | . | . | . |
| 0.333 | 0.2916 | 22.61 | Q | . | . | . | . |
| 0.350 | 0.3227 | 22.62 | Q | . | . | . | . |
| 0.367 | 0.3539 | 22.63 | Q | . | . | . | . |
| 0.383 | 0.3851 | 22.64 | Q | . | . | . | . |
| 0.400 | 0.4163 | 22.65 | Q | . | . | . | . |
| 0.417 | 0.4475 | 22.66 | Q | . | . | . | . |
| 0.433 | 0.4787 | 22.67 | Q | . | . | . | . |
| 0.450 | 0.5100 | 22.68 | Q | . | . | . | . |
| 0.467 | 0.5412 | 22.69 | Q | . | . | . | . |
| 0.483 | 0.5725 | 22.70 | Q | . | . | . | . |
| 0.500 | 0.6038 | 22.71 | Q | . | . | . | . |
| 0.517 | 0.6351 | 22.72 | Q | . | . | . | . |
| 0.533 | 0.6664 | 22.74 | Q | . | . | . | . |
| 0.550 | 0.6978 | 22.76 | Q | . | . | . | . |
| 0.567 | 0.7291 | 22.78 | Q | . | . | . | . |
| 0.583 | 0.7605 | 22.80 | Q | . | . | . | . |
| 0.600 | 0.7920 | 22.82 | Q | . | . | . | . |
| 0.617 | 0.8234 | 22.84 | Q | . | . | . | . |
| 0.633 | 0.8549 | 22.86 | Q | . | . | . | . |
| 0.650 | 0.8864 | 22.88 | Q | . | . | . | . |
| 0.667 | 0.9180 | 22.90 | Q | . | . | . | . |
| 0.683 | 0.9496 | 22.92 | Q | . | . | . | . |
| 0.700 | 0.9812 | 22.94 | Q | . | . | . | . |
| 0.717 | 1.0128 | 22.96 | Q | . | . | . | . |
| 0.733 | 1.0444 | 22.99 | Q | . | . | . | . |
| 0.750 | 1.0761 | 23.01 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|---|---|---|---|---|
| 0.767 | 1.1078 | 23.02 | Q | . | . | . | . |
| 0.783 | 1.1396 | 23.03 | Q | . | . | . | . |
| 0.800 | 1.1713 | 23.04 | Q | . | . | . | . |
| 0.817 | 1.2031 | 23.05 | Q | . | . | . | . |
| 0.833 | 1.2348 | 23.06 | Q | . | . | . | . |
| 0.850 | 1.2666 | 23.07 | Q | . | . | . | . |
| 0.867 | 1.2984 | 23.08 | Q | . | . | . | . |
| 0.883 | 1.3302 | 23.09 | Q | . | . | . | . |
| 0.900 | 1.3620 | 23.10 | Q | . | . | . | . |
| 0.917 | 1.3939 | 23.12 | Q | . | . | . | . |
| 0.933 | 1.4257 | 23.13 | Q | . | . | . | . |
| 0.950 | 1.4576 | 23.14 | Q | . | . | . | . |
| 0.967 | 1.4895 | 23.15 | Q | . | . | . | . |
| 0.983 | 1.5214 | 23.16 | Q | . | . | . | . |
| 1.000 | 1.5533 | 23.18 | Q | . | . | . | . |
| 1.017 | 1.5853 | 23.20 | Q | . | . | . | . |
| 1.033 | 1.6173 | 23.22 | Q | . | . | . | . |
| 1.050 | 1.6493 | 23.25 | Q | . | . | . | . |
| 1.067 | 1.6813 | 23.27 | Q | . | . | . | . |
| 1.083 | 1.7134 | 23.29 | Q | . | . | . | . |
| 1.100 | 1.7455 | 23.31 | Q | . | . | . | . |
| 1.117 | 1.7776 | 23.33 | Q | . | . | . | . |
| 1.133 | 1.8098 | 23.35 | Q | . | . | . | . |
| 1.150 | 1.8420 | 23.38 | Q | . | . | . | . |
| 1.167 | 1.8742 | 23.40 | Q | . | . | . | . |
| 1.183 | 1.9065 | 23.42 | Q | . | . | . | . |
| 1.200 | 1.9388 | 23.44 | Q | . | . | . | . |
| 1.217 | 1.9711 | 23.46 | Q | . | . | . | . |
| 1.233 | 2.0034 | 23.47 | Q | . | . | . | . |
| 1.250 | 2.0358 | 23.48 | Q | . | . | . | . |
| 1.267 | 2.0681 | 23.49 | Q | . | . | . | . |
| 1.283 | 2.1005 | 23.50 | Q | . | . | . | . |
| 1.300 | 2.1329 | 23.52 | Q | . | . | . | . |
| 1.317 | 2.1653 | 23.53 | Q | . | . | . | . |
| 1.333 | 2.1977 | 23.54 | Q | . | . | . | . |
| 1.350 | 2.2302 | 23.55 | Q | . | . | . | . |
| 1.367 | 2.2626 | 23.56 | Q | . | . | . | . |
| 1.383 | 2.2951 | 23.57 | Q | . | . | . | . |
| 1.400 | 2.3276 | 23.58 | Q | . | . | . | . |
| 1.417 | 2.3601 | 23.59 | Q | . | . | . | . |
| 1.433 | 2.3926 | 23.61 | Q | . | . | . | . |
| 1.450 | 2.4251 | 23.63 | Q | . | . | . | . |
| 1.467 | 2.4577 | 23.65 | Q | . | . | . | . |
| 1.483 | 2.4903 | 23.67 | Q | . | . | . | . |
| 1.500 | 2.5230 | 23.69 | Q | . | . | . | . |
| 1.517 | 2.5556 | 23.72 | Q | . | . | . | . |
| 1.533 | 2.5883 | 23.74 | Q | . | . | . | . |
| 1.550 | 2.6210 | 23.76 | Q | . | . | . | . |
| 1.567 | 2.6538 | 23.79 | Q | . | . | . | . |
| 1.583 | 2.6866 | 23.81 | Q | . | . | . | . |
| 1.600 | 2.7194 | 23.83 | Q | . | . | . | . |
| 1.617 | 2.7523 | 23.85 | Q | . | . | . | . |
| 1.633 | 2.7852 | 23.88 | Q | . | . | . | . |
| 1.650 | 2.8181 | 23.90 | Q | . | . | . | . |
| 1.667 | 2.8510 | 23.92 | Q | . | . | . | . |
| 1.683 | 2.8840 | 23.93 | Q | . | . | . | . |
| 1.700 | 2.9170 | 23.95 | Q | . | . | . | . |
| 1.717 | 2.9500 | 23.96 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|----|---|---|---|---|
| 1.733 | 2.9830 | 23.97 | Q | . | . | . | . |
| 1.750 | 3.0160 | 23.98 | Q | . | . | . | . |
| 1.767 | 3.0491 | 23.99 | Q | . | . | . | . |
| 1.783 | 3.0822 | 24.00 | Q | . | . | . | . |
| 1.800 | 3.1152 | 24.02 | Q | . | . | . | . |
| 1.817 | 3.1483 | 24.03 | Q | . | . | . | . |
| 1.833 | 3.1814 | 24.04 | Q | . | . | . | . |
| 1.850 | 3.2146 | 24.05 | Q | . | . | . | . |
| 1.867 | 3.2477 | 24.06 | Q | . | . | . | . |
| 1.883 | 3.2809 | 24.08 | QV | . | . | . | . |
| 1.900 | 3.3141 | 24.09 | QV | . | . | . | . |
| 1.917 | 3.3473 | 24.12 | QV | . | . | . | . |
| 1.933 | 3.3805 | 24.14 | QV | . | . | . | . |
| 1.950 | 3.4138 | 24.16 | QV | . | . | . | . |
| 1.967 | 3.4471 | 24.19 | QV | . | . | . | . |
| 1.983 | 3.4805 | 24.21 | QV | . | . | . | . |
| 2.000 | 3.5139 | 24.24 | QV | . | . | . | . |
| 2.017 | 3.5473 | 24.26 | QV | . | . | . | . |
| 2.033 | 3.5807 | 24.29 | QV | . | . | . | . |
| 2.050 | 3.6142 | 24.31 | QV | . | . | . | . |
| 2.067 | 3.6477 | 24.33 | QV | . | . | . | . |
| 2.083 | 3.6813 | 24.36 | QV | . | . | . | . |
| 2.100 | 3.7149 | 24.38 | QV | . | . | . | . |
| 2.117 | 3.7485 | 24.41 | QV | . | . | . | . |
| 2.133 | 3.7821 | 24.42 | QV | . | . | . | . |
| 2.150 | 3.8158 | 24.43 | QV | . | . | . | . |
| 2.167 | 3.8495 | 24.45 | QV | . | . | . | . |
| 2.183 | 3.8831 | 24.46 | QV | . | . | . | . |
| 2.200 | 3.9169 | 24.47 | QV | . | . | . | . |
| 2.217 | 3.9506 | 24.48 | QV | . | . | . | . |
| 2.233 | 3.9843 | 24.50 | QV | . | . | . | . |
| 2.250 | 4.0181 | 24.51 | QV | . | . | . | . |
| 2.267 | 4.0518 | 24.52 | QV | . | . | . | . |
| 2.283 | 4.0856 | 24.53 | QV | . | . | . | . |
| 2.300 | 4.1194 | 24.54 | QV | . | . | . | . |
| 2.317 | 4.1533 | 24.56 | QV | . | . | . | . |
| 2.333 | 4.1871 | 24.57 | QV | . | . | . | . |
| 2.350 | 4.2210 | 24.58 | QV | . | . | . | . |
| 2.367 | 4.2549 | 24.61 | QV | . | . | . | . |
| 2.383 | 4.2888 | 24.63 | QV | . | . | . | . |
| 2.400 | 4.3228 | 24.66 | QV | . | . | . | . |
| 2.417 | 4.3568 | 24.68 | QV | . | . | . | . |
| 2.433 | 4.3908 | 24.71 | QV | . | . | . | . |
| 2.450 | 4.4249 | 24.74 | QV | . | . | . | . |
| 2.467 | 4.4590 | 24.76 | QV | . | . | . | . |
| 2.483 | 4.4931 | 24.79 | QV | . | . | . | . |
| 2.500 | 4.5273 | 24.81 | QV | . | . | . | . |
| 2.517 | 4.5615 | 24.84 | QV | . | . | . | . |
| 2.533 | 4.5958 | 24.86 | QV | . | . | . | . |
| 2.550 | 4.6300 | 24.89 | QV | . | . | . | . |
| 2.567 | 4.6644 | 24.91 | QV | . | . | . | . |
| 2.583 | 4.6987 | 24.93 | QV | . | . | . | . |
| 2.600 | 4.7331 | 24.95 | QV | . | . | . | . |
| 2.617 | 4.7674 | 24.96 | QV | . | . | . | . |
| 2.633 | 4.8018 | 24.97 | QV | . | . | . | . |
| 2.650 | 4.8363 | 24.99 | QV | . | . | . | . |
| 2.667 | 4.8707 | 25.00 | QV | . | . | . | . |
| 2.683 | 4.9051 | 25.01 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 2.700 | 4.9396 | 25.03 | QV | . | . | . | . |
| 2.717 | 4.9741 | 25.04 | QV | . | . | . | . |
| 2.733 | 5.0086 | 25.05 | QV | . | . | . | . |
| 2.750 | 5.0431 | 25.07 | QV | . | . | . | . |
| 2.767 | 5.0777 | 25.08 | QV | . | . | . | . |
| 2.783 | 5.1122 | 25.09 | QV | . | . | . | . |
| 2.800 | 5.1468 | 25.11 | QV | . | . | . | . |
| 2.817 | 5.1814 | 25.13 | QV | . | . | . | . |
| 2.833 | 5.2161 | 25.16 | QV | . | . | . | . |
| 2.850 | 5.2508 | 25.18 | QV | . | . | . | . |
| 2.867 | 5.2855 | 25.21 | QV | . | . | . | . |
| 2.883 | 5.3203 | 25.24 | QV | . | . | . | . |
| 2.900 | 5.3551 | 25.26 | QV | . | . | . | . |
| 2.917 | 5.3899 | 25.29 | QV | . | . | . | . |
| 2.933 | 5.4248 | 25.32 | QV | . | . | . | . |
| 2.950 | 5.4597 | 25.34 | QV | . | . | . | . |
| 2.967 | 5.4946 | 25.37 | QV | . | . | . | . |
| 2.983 | 5.5296 | 25.40 | QV | . | . | . | . |
| 3.000 | 5.5646 | 25.42 | QV | . | . | . | . |
| 3.017 | 5.5997 | 25.45 | QV | . | . | . | . |
| 3.033 | 5.6348 | 25.48 | QV | . | . | . | . |
| 3.050 | 5.6699 | 25.49 | QV | . | . | . | . |
| 3.067 | 5.7050 | 25.50 | QV | . | . | . | . |
| 3.083 | 5.7402 | 25.52 | QV | . | . | . | . |
| 3.100 | 5.7753 | 25.53 | QV | . | . | . | . |
| 3.117 | 5.8105 | 25.55 | QV | . | . | . | . |
| 3.133 | 5.8457 | 25.56 | QV | . | . | . | . |
| 3.150 | 5.8809 | 25.57 | QV | . | . | . | . |
| 3.167 | 5.9162 | 25.59 | QV | . | . | . | . |
| 3.183 | 5.9514 | 25.60 | QV | . | . | . | . |
| 3.200 | 5.9867 | 25.61 | QV | . | . | . | . |
| 3.217 | 6.0220 | 25.63 | QV | . | . | . | . |
| 3.233 | 6.0574 | 25.64 | QV | . | . | . | . |
| 3.250 | 6.0927 | 25.66 | QV | . | . | . | . |
| 3.267 | 6.1281 | 25.68 | QV | . | . | . | . |
| 3.283 | 6.1635 | 25.70 | QV | . | . | . | . |
| 3.300 | 6.1989 | 25.73 | QV | . | . | . | . |
| 3.317 | 6.2344 | 25.76 | QV | . | . | . | . |
| 3.333 | 6.2699 | 25.79 | QV | . | . | . | . |
| 3.350 | 6.3055 | 25.82 | QV | . | . | . | . |
| 3.367 | 6.3411 | 25.85 | QV | . | . | . | . |
| 3.383 | 6.3767 | 25.88 | QV | . | . | . | . |
| 3.400 | 6.4124 | 25.90 | QV | . | . | . | . |
| 3.417 | 6.4481 | 25.93 | QV | . | . | . | . |
| 3.433 | 6.4839 | 25.96 | QV | . | . | . | . |
| 3.450 | 6.5197 | 25.99 | Q V | . | . | . | . |
| 3.467 | 6.5555 | 26.02 | Q V | . | . | . | . |
| 3.483 | 6.5914 | 26.05 | Q V | . | . | . | . |
| 3.500 | 6.6273 | 26.06 | Q V | . | . | . | . |
| 3.517 | 6.6632 | 26.08 | Q V | . | . | . | . |
| 3.533 | 6.6992 | 26.09 | Q V | . | . | . | . |
| 3.550 | 6.7351 | 26.11 | Q V | . | . | . | . |
| 3.567 | 6.7711 | 26.12 | Q V | . | . | . | . |
| 3.583 | 6.8071 | 26.14 | Q V | . | . | . | . |
| 3.600 | 6.8431 | 26.15 | Q V | . | . | . | . |
| 3.617 | 6.8792 | 26.17 | Q V | . | . | . | . |
| 3.633 | 6.9152 | 26.18 | Q V | . | . | . | . |
| 3.650 | 6.9513 | 26.20 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 3.667 | 6.9874 | 26.21 | Q V | . | . | . | . |
| 3.683 | 7.0236 | 26.23 | Q V | . | . | . | . |
| 3.700 | 7.0597 | 26.24 | Q V | . | . | . | . |
| 3.717 | 7.0959 | 26.26 | Q V | . | . | . | . |
| 3.733 | 7.1321 | 26.29 | Q V | . | . | . | . |
| 3.750 | 7.1683 | 26.32 | Q V | . | . | . | . |
| 3.767 | 7.2046 | 26.35 | Q V | . | . | . | . |
| 3.783 | 7.2409 | 26.38 | Q V | . | . | . | . |
| 3.800 | 7.2773 | 26.41 | Q V | . | . | . | . |
| 3.817 | 7.3137 | 26.44 | Q V | . | . | . | . |
| 3.833 | 7.3502 | 26.47 | Q V | . | . | . | . |
| 3.850 | 7.3867 | 26.50 | Q V | . | . | . | . |
| 3.867 | 7.4232 | 26.53 | Q V | . | . | . | . |
| 3.883 | 7.4598 | 26.56 | Q V | . | . | . | . |
| 3.900 | 7.4964 | 26.59 | Q V | . | . | . | . |
| 3.917 | 7.5331 | 26.62 | Q V | . | . | . | . |
| 3.933 | 7.5698 | 26.65 | Q V | . | . | . | . |
| 3.950 | 7.6066 | 26.67 | Q V | . | . | . | . |
| 3.967 | 7.6433 | 26.69 | Q V | . | . | . | . |
| 3.983 | 7.6801 | 26.70 | Q V | . | . | . | . |
| 4.000 | 7.7169 | 26.72 | Q V | . | . | . | . |
| 4.017 | 7.7537 | 26.74 | Q V | . | . | . | . |
| 4.033 | 7.7906 | 26.75 | Q V | . | . | . | . |
| 4.050 | 7.8275 | 26.77 | Q V | . | . | . | . |
| 4.067 | 7.8643 | 26.78 | Q V | . | . | . | . |
| 4.083 | 7.9013 | 26.80 | Q V | . | . | . | . |
| 4.100 | 7.9382 | 26.81 | Q V | . | . | . | . |
| 4.117 | 7.9751 | 26.83 | Q V | . | . | . | . |
| 4.133 | 8.0121 | 26.84 | Q V | . | . | . | . |
| 4.150 | 8.0491 | 26.86 | Q V | . | . | . | . |
| 4.167 | 8.0861 | 26.88 | Q V | . | . | . | . |
| 4.183 | 8.1232 | 26.90 | Q V | . | . | . | . |
| 4.200 | 8.1603 | 26.94 | Q V | . | . | . | . |
| 4.217 | 8.1975 | 26.97 | Q V | . | . | . | . |
| 4.233 | 8.2346 | 27.00 | Q V | . | . | . | . |
| 4.250 | 8.2719 | 27.03 | Q V | . | . | . | . |
| 4.267 | 8.3092 | 27.07 | Q V | . | . | . | . |
| 4.283 | 8.3465 | 27.10 | Q V | . | . | . | . |
| 4.300 | 8.3839 | 27.13 | Q V | . | . | . | . |
| 4.317 | 8.4213 | 27.16 | Q V | . | . | . | . |
| 4.333 | 8.4587 | 27.19 | Q V | . | . | . | . |
| 4.350 | 8.4962 | 27.23 | Q V | . | . | . | . |
| 4.367 | 8.5338 | 27.26 | Q V | . | . | . | . |
| 4.383 | 8.5714 | 27.29 | Q V | . | . | . | . |
| 4.400 | 8.6090 | 27.32 | Q V | . | . | . | . |
| 4.417 | 8.6466 | 27.34 | Q V | . | . | . | . |
| 4.433 | 8.6843 | 27.35 | Q V | . | . | . | . |
| 4.450 | 8.7220 | 27.37 | Q V | . | . | . | . |
| 4.467 | 8.7598 | 27.39 | Q V | . | . | . | . |
| 4.483 | 8.7975 | 27.40 | Q V | . | . | . | . |
| 4.500 | 8.8353 | 27.42 | Q V | . | . | . | . |
| 4.517 | 8.8731 | 27.44 | Q V | . | . | . | . |
| 4.533 | 8.9109 | 27.45 | Q V | . | . | . | . |
| 4.550 | 8.9487 | 27.47 | Q V | . | . | . | . |
| 4.567 | 8.9866 | 27.49 | Q V | . | . | . | . |
| 4.583 | 9.0245 | 27.50 | Q V | . | . | . | . |
| 4.600 | 9.0624 | 27.52 | Q V | . | . | . | . |
| 4.617 | 9.1003 | 27.54 | Q V | . | . | . | . |

| | | | | | | | |
|-------|---------|-------|-----|---|---|---|---|
| 4.633 | 9.1383 | 27.56 | Q V | . | . | . | . |
| 4.650 | 9.1763 | 27.60 | Q V | . | . | . | . |
| 4.667 | 9.2143 | 27.63 | Q V | . | . | . | . |
| 4.683 | 9.2524 | 27.66 | Q V | . | . | . | . |
| 4.700 | 9.2906 | 27.70 | Q V | . | . | . | . |
| 4.717 | 9.3288 | 27.73 | Q V | . | . | . | . |
| 4.733 | 9.3670 | 27.77 | Q V | . | . | . | . |
| 4.750 | 9.4053 | 27.80 | Q V | . | . | . | . |
| 4.767 | 9.4437 | 27.84 | Q V | . | . | . | . |
| 4.783 | 9.4821 | 27.87 | Q V | . | . | . | . |
| 4.800 | 9.5205 | 27.90 | Q V | . | . | . | . |
| 4.817 | 9.5590 | 27.94 | Q V | . | . | . | . |
| 4.833 | 9.5975 | 27.97 | Q V | . | . | . | . |
| 4.850 | 9.6361 | 28.01 | Q V | . | . | . | . |
| 4.867 | 9.6747 | 28.03 | Q V | . | . | . | . |
| 4.883 | 9.7133 | 28.04 | Q V | . | . | . | . |
| 4.900 | 9.7520 | 28.06 | Q V | . | . | . | . |
| 4.917 | 9.7906 | 28.08 | Q V | . | . | . | . |
| 4.933 | 9.8293 | 28.10 | Q V | . | . | . | . |
| 4.950 | 9.8681 | 28.12 | Q V | . | . | . | . |
| 4.967 | 9.9068 | 28.13 | Q V | . | . | . | . |
| 4.983 | 9.9456 | 28.15 | Q V | . | . | . | . |
| 5.000 | 9.9844 | 28.17 | Q V | . | . | . | . |
| 5.017 | 10.0232 | 28.19 | Q V | . | . | . | . |
| 5.033 | 10.0621 | 28.20 | Q V | . | . | . | . |
| 5.050 | 10.1009 | 28.22 | Q V | . | . | . | . |
| 5.067 | 10.1398 | 28.24 | Q V | . | . | . | . |
| 5.083 | 10.1788 | 28.26 | Q V | . | . | . | . |
| 5.100 | 10.2177 | 28.30 | Q V | . | . | . | . |
| 5.117 | 10.2568 | 28.33 | Q V | . | . | . | . |
| 5.133 | 10.2959 | 28.37 | Q V | . | . | . | . |
| 5.150 | 10.3350 | 28.41 | Q V | . | . | . | . |
| 5.167 | 10.3742 | 28.44 | Q V | . | . | . | . |
| 5.183 | 10.4134 | 28.48 | Q V | . | . | . | . |
| 5.200 | 10.4527 | 28.52 | Q V | . | . | . | . |
| 5.217 | 10.4920 | 28.55 | Q V | . | . | . | . |
| 5.233 | 10.5314 | 28.59 | Q V | . | . | . | . |
| 5.250 | 10.5708 | 28.63 | Q V | . | . | . | . |
| 5.267 | 10.6103 | 28.66 | Q V | . | . | . | . |
| 5.283 | 10.6498 | 28.70 | Q V | . | . | . | . |
| 5.300 | 10.6894 | 28.74 | Q V | . | . | . | . |
| 5.317 | 10.7290 | 28.76 | Q V | . | . | . | . |
| 5.333 | 10.7687 | 28.78 | Q V | . | . | . | . |
| 5.350 | 10.8083 | 28.80 | Q V | . | . | . | . |
| 5.367 | 10.8480 | 28.82 | Q V | . | . | . | . |
| 5.383 | 10.8878 | 28.84 | Q V | . | . | . | . |
| 5.400 | 10.9275 | 28.86 | Q V | . | . | . | . |
| 5.417 | 10.9673 | 28.88 | Q V | . | . | . | . |
| 5.433 | 11.0071 | 28.90 | Q V | . | . | . | . |
| 5.450 | 11.0469 | 28.92 | Q V | . | . | . | . |
| 5.467 | 11.0868 | 28.93 | Q V | . | . | . | . |
| 5.483 | 11.1267 | 28.95 | Q V | . | . | . | . |
| 5.500 | 11.1666 | 28.97 | Q V | . | . | . | . |
| 5.517 | 11.2065 | 28.99 | Q V | . | . | . | . |
| 5.533 | 11.2465 | 29.01 | Q V | . | . | . | . |
| 5.550 | 11.2865 | 29.05 | Q V | . | . | . | . |
| 5.567 | 11.3265 | 29.09 | Q V | . | . | . | . |
| 5.583 | 11.3666 | 29.12 | Q V | . | . | . | . |

| | | | | | | | | |
|-------|---------|-------|----|---|---|---|---|---|
| 5.600 | 11.4068 | 29.16 | Q | V | . | . | . | . |
| 5.617 | 11.4470 | 29.20 | Q | V | . | . | . | . |
| 5.633 | 11.4873 | 29.24 | Q | V | . | . | . | . |
| 5.650 | 11.5276 | 29.28 | Q | V | . | . | . | . |
| 5.667 | 11.5680 | 29.32 | Q | V | . | . | . | . |
| 5.683 | 11.6085 | 29.36 | Q | V | . | . | . | . |
| 5.700 | 11.6490 | 29.40 | Q | V | . | . | . | . |
| 5.717 | 11.6895 | 29.44 | Q | V | . | . | . | . |
| 5.733 | 11.7301 | 29.48 | Q | V | . | . | . | . |
| 5.750 | 11.7708 | 29.52 | Q | V | . | . | . | . |
| 5.767 | 11.8115 | 29.55 | Q | V | . | . | . | . |
| 5.783 | 11.8522 | 29.57 | Q | V | . | . | . | . |
| 5.800 | 11.8930 | 29.59 | Q | V | . | . | . | . |
| 5.817 | 11.9338 | 29.61 | Q | V | . | . | . | . |
| 5.833 | 11.9746 | 29.63 | Q | V | . | . | . | . |
| 5.850 | 12.0154 | 29.65 | Q | V | . | . | . | . |
| 5.867 | 12.0563 | 29.67 | Q | V | . | . | . | . |
| 5.883 | 12.0972 | 29.69 | Q | V | . | . | . | . |
| 5.900 | 12.1381 | 29.71 | .Q | V | . | . | . | . |
| 5.917 | 12.1791 | 29.74 | .Q | V | . | . | . | . |
| 5.933 | 12.2201 | 29.76 | .Q | V | . | . | . | . |
| 5.950 | 12.2611 | 29.78 | .Q | V | . | . | . | . |
| 5.967 | 12.3021 | 29.80 | .Q | V | . | . | . | . |
| 5.983 | 12.3432 | 29.82 | .Q | V | . | . | . | . |
| 6.000 | 12.3843 | 29.85 | .Q | V | . | . | . | . |
| 6.017 | 12.4255 | 29.89 | .Q | V | . | . | . | . |
| 6.033 | 12.4667 | 29.93 | .Q | V | . | . | . | . |
| 6.050 | 12.5080 | 29.97 | .Q | V | . | . | . | . |
| 6.067 | 12.5493 | 30.02 | .Q | V | . | . | . | . |
| 6.083 | 12.5908 | 30.06 | .Q | V | . | . | . | . |
| 6.100 | 12.6322 | 30.10 | .Q | V | . | . | . | . |
| 6.117 | 12.6737 | 30.14 | .Q | V | . | . | . | . |
| 6.133 | 12.7153 | 30.19 | .Q | V | . | . | . | . |
| 6.150 | 12.7569 | 30.23 | .Q | V | . | . | . | . |
| 6.167 | 12.7986 | 30.27 | .Q | V | . | . | . | . |
| 6.183 | 12.8404 | 30.31 | .Q | V | . | . | . | . |
| 6.200 | 12.8822 | 30.35 | .Q | V | . | . | . | . |
| 6.217 | 12.9241 | 30.39 | .Q | V | . | . | . | . |
| 6.233 | 12.9660 | 30.42 | .Q | V | . | . | . | . |
| 6.250 | 13.0079 | 30.44 | .Q | V | . | . | . | . |
| 6.267 | 13.0499 | 30.46 | .Q | V | . | . | . | . |
| 6.283 | 13.0919 | 30.49 | .Q | V | . | . | . | . |
| 6.300 | 13.1339 | 30.51 | .Q | V | . | . | . | . |
| 6.317 | 13.1759 | 30.53 | .Q | V | . | . | . | . |
| 6.333 | 13.2180 | 30.55 | .Q | V | . | . | . | . |
| 6.350 | 13.2601 | 30.57 | .Q | V | . | . | . | . |
| 6.367 | 13.3023 | 30.60 | .Q | V | . | . | . | . |
| 6.383 | 13.3444 | 30.62 | .Q | V | . | . | . | . |
| 6.400 | 13.3866 | 30.64 | .Q | V | . | . | . | . |
| 6.417 | 13.4289 | 30.66 | .Q | V | . | . | . | . |
| 6.433 | 13.4711 | 30.68 | .Q | V | . | . | . | . |
| 6.450 | 13.5134 | 30.71 | .Q | V | . | . | . | . |
| 6.467 | 13.5558 | 30.76 | .Q | V | . | . | . | . |
| 6.483 | 13.5982 | 30.80 | .Q | V | . | . | . | . |
| 6.500 | 13.6407 | 30.85 | .Q | V | . | . | . | . |
| 6.517 | 13.6833 | 30.89 | .Q | V | . | . | . | . |
| 6.533 | 13.7259 | 30.94 | .Q | V | . | . | . | . |
| 6.550 | 13.7686 | 30.98 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|---------|-------|----|---|---|---|---|---|
| 6.567 | 13.8113 | 31.03 | .Q | V | . | . | . | . |
| 6.583 | 13.8541 | 31.07 | .Q | V | . | . | . | . |
| 6.600 | 13.8970 | 31.12 | .Q | V | . | . | . | . |
| 6.617 | 13.9399 | 31.17 | .Q | V | . | . | . | . |
| 6.633 | 13.9829 | 31.21 | .Q | V | . | . | . | . |
| 6.650 | 14.0259 | 31.26 | .Q | V | . | . | . | . |
| 6.667 | 14.0691 | 31.30 | .Q | V | . | . | . | . |
| 6.683 | 14.1122 | 31.33 | .Q | V | . | . | . | . |
| 6.700 | 14.1554 | 31.36 | .Q | V | . | . | . | . |
| 6.717 | 14.1986 | 31.38 | .Q | V | . | . | . | . |
| 6.733 | 14.2419 | 31.41 | .Q | V | . | . | . | . |
| 6.750 | 14.2852 | 31.43 | .Q | V | . | . | . | . |
| 6.767 | 14.3285 | 31.45 | .Q | V | . | . | . | . |
| 6.783 | 14.3719 | 31.48 | .Q | V | . | . | . | . |
| 6.800 | 14.4153 | 31.50 | .Q | V | . | . | . | . |
| 6.817 | 14.4587 | 31.52 | .Q | V | . | . | . | . |
| 6.833 | 14.5021 | 31.55 | .Q | V | . | . | . | . |
| 6.850 | 14.5456 | 31.57 | .Q | V | . | . | . | . |
| 6.867 | 14.5891 | 31.59 | .Q | V | . | . | . | . |
| 6.883 | 14.6327 | 31.62 | .Q | V | . | . | . | . |
| 6.900 | 14.6763 | 31.64 | .Q | V | . | . | . | . |
| 6.917 | 14.7199 | 31.69 | .Q | V | . | . | . | . |
| 6.933 | 14.7636 | 31.74 | .Q | V | . | . | . | . |
| 6.950 | 14.8074 | 31.79 | .Q | V | . | . | . | . |
| 6.967 | 14.8513 | 31.84 | .Q | V | . | . | . | . |
| 6.983 | 14.8952 | 31.89 | .Q | V | . | . | . | . |
| 7.000 | 14.9392 | 31.93 | .Q | V | . | . | . | . |
| 7.017 | 14.9832 | 31.98 | .Q | V | . | . | . | . |
| 7.033 | 15.0274 | 32.03 | .Q | V | . | . | . | . |
| 7.050 | 15.0716 | 32.08 | .Q | V | . | . | . | . |
| 7.067 | 15.1158 | 32.13 | .Q | V | . | . | . | . |
| 7.083 | 15.1601 | 32.18 | .Q | V | . | . | . | . |
| 7.100 | 15.2045 | 32.23 | .Q | V | . | . | . | . |
| 7.117 | 15.2490 | 32.28 | .Q | V | . | . | . | . |
| 7.133 | 15.2935 | 32.32 | .Q | V | . | . | . | . |
| 7.150 | 15.3381 | 32.35 | .Q | V | . | . | . | . |
| 7.167 | 15.3827 | 32.37 | .Q | V | . | . | . | . |
| 7.183 | 15.4273 | 32.40 | .Q | V | . | . | . | . |
| 7.200 | 15.4719 | 32.43 | .Q | V | . | . | . | . |
| 7.217 | 15.5166 | 32.45 | .Q | V | . | . | . | . |
| 7.233 | 15.5614 | 32.48 | .Q | V | . | . | . | . |
| 7.250 | 15.6061 | 32.50 | .Q | V | . | . | . | . |
| 7.267 | 15.6510 | 32.53 | .Q | V | . | . | . | . |
| 7.283 | 15.6958 | 32.55 | .Q | V | . | . | . | . |
| 7.300 | 15.7407 | 32.58 | .Q | V | . | . | . | . |
| 7.317 | 15.7856 | 32.60 | .Q | V | . | . | . | . |
| 7.333 | 15.8305 | 32.63 | .Q | V | . | . | . | . |
| 7.350 | 15.8755 | 32.66 | .Q | V | . | . | . | . |
| 7.367 | 15.9205 | 32.70 | .Q | V | . | . | . | . |
| 7.383 | 15.9657 | 32.75 | .Q | V | . | . | . | . |
| 7.400 | 16.0108 | 32.80 | .Q | V | . | . | . | . |
| 7.417 | 16.0561 | 32.86 | .Q | V | . | . | . | . |
| 7.433 | 16.1014 | 32.91 | .Q | V | . | . | . | . |
| 7.450 | 16.1468 | 32.97 | .Q | V | . | . | . | . |
| 7.467 | 16.1923 | 33.02 | .Q | V | . | . | . | . |
| 7.483 | 16.2379 | 33.07 | .Q | V | . | . | . | . |
| 7.500 | 16.2835 | 33.13 | .Q | V | . | . | . | . |
| 7.517 | 16.3292 | 33.18 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|---------|-------|----|---|---|---|---|---|
| 7.533 | 16.3750 | 33.23 | .Q | V | . | . | . | . |
| 7.550 | 16.4208 | 33.29 | .Q | V | . | . | . | . |
| 7.567 | 16.4667 | 33.34 | .Q | V | . | . | . | . |
| 7.583 | 16.5127 | 33.39 | .Q | V | . | . | . | . |
| 7.600 | 16.5588 | 33.42 | .Q | V | . | . | . | . |
| 7.617 | 16.6049 | 33.45 | .Q | V | . | . | . | . |
| 7.633 | 16.6510 | 33.48 | .Q | V | . | . | . | . |
| 7.650 | 16.6971 | 33.51 | .Q | V | . | . | . | . |
| 7.667 | 16.7433 | 33.53 | .Q | V | . | . | . | . |
| 7.683 | 16.7895 | 33.56 | .Q | V | . | . | . | . |
| 7.700 | 16.8358 | 33.59 | .Q | V | . | . | . | . |
| 7.717 | 16.8821 | 33.62 | .Q | V | . | . | . | . |
| 7.733 | 16.9285 | 33.65 | .Q | V | . | . | . | . |
| 7.750 | 16.9748 | 33.67 | .Q | V | . | . | . | . |
| 7.767 | 17.0213 | 33.70 | .Q | V | . | . | . | . |
| 7.783 | 17.0677 | 33.73 | .Q | V | . | . | . | . |
| 7.800 | 17.1142 | 33.76 | .Q | V | . | . | . | . |
| 7.817 | 17.1608 | 33.79 | .Q | V | . | . | . | . |
| 7.833 | 17.2074 | 33.85 | .Q | V | . | . | . | . |
| 7.850 | 17.2541 | 33.91 | .Q | V | . | . | . | . |
| 7.867 | 17.3009 | 33.97 | .Q | V | . | . | . | . |
| 7.883 | 17.3478 | 34.03 | .Q | V | . | . | . | . |
| 7.900 | 17.3947 | 34.09 | .Q | V | . | . | . | . |
| 7.917 | 17.4417 | 34.14 | .Q | V | . | . | . | . |
| 7.933 | 17.4889 | 34.20 | .Q | V | . | . | . | . |
| 7.950 | 17.5360 | 34.26 | .Q | V | . | . | . | . |
| 7.967 | 17.5833 | 34.32 | .Q | V | . | . | . | . |
| 7.983 | 17.6307 | 34.38 | .Q | V | . | . | . | . |
| 8.000 | 17.6781 | 34.44 | .Q | V | . | . | . | . |
| 8.017 | 17.7256 | 34.49 | .Q | V | . | . | . | . |
| 8.033 | 17.7732 | 34.55 | .Q | V | . | . | . | . |
| 8.050 | 17.8209 | 34.59 | .Q | V | . | . | . | . |
| 8.067 | 17.8686 | 34.63 | .Q | V | . | . | . | . |
| 8.083 | 17.9163 | 34.66 | .Q | V | . | . | . | . |
| 8.100 | 17.9641 | 34.69 | .Q | V | . | . | . | . |
| 8.117 | 18.0119 | 34.72 | .Q | V | . | . | . | . |
| 8.133 | 18.0597 | 34.75 | .Q | V | . | . | . | . |
| 8.150 | 18.1077 | 34.78 | .Q | V | . | . | . | . |
| 8.167 | 18.1556 | 34.81 | .Q | V | . | . | . | . |
| 8.183 | 18.2036 | 34.84 | .Q | V | . | . | . | . |
| 8.200 | 18.2516 | 34.87 | .Q | V | . | . | . | . |
| 8.217 | 18.2997 | 34.90 | .Q | V | . | . | . | . |
| 8.233 | 18.3478 | 34.93 | .Q | V | . | . | . | . |
| 8.250 | 18.3960 | 34.96 | .Q | V | . | . | . | . |
| 8.267 | 18.4442 | 34.99 | .Q | V | . | . | . | . |
| 8.283 | 18.4924 | 35.05 | .Q | V | . | . | . | . |
| 8.300 | 18.5408 | 35.12 | .Q | V | . | . | . | . |
| 8.317 | 18.5893 | 35.18 | .Q | V | . | . | . | . |
| 8.333 | 18.6378 | 35.25 | .Q | V | . | . | . | . |
| 8.350 | 18.6865 | 35.31 | .Q | V | . | . | . | . |
| 8.367 | 18.7352 | 35.37 | .Q | V | . | . | . | . |
| 8.383 | 18.7840 | 35.44 | .Q | V | . | . | . | . |
| 8.400 | 18.8329 | 35.50 | .Q | V | . | . | . | . |
| 8.417 | 18.8819 | 35.57 | .Q | V | . | . | . | . |
| 8.433 | 18.9310 | 35.63 | .Q | V | . | . | . | . |
| 8.450 | 18.9801 | 35.69 | .Q | V | . | . | . | . |
| 8.467 | 19.0294 | 35.76 | .Q | V | . | . | . | . |
| 8.483 | 19.0787 | 35.82 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|---------|-------|----|---|---|---|---|---|
| 8.500 | 19.1281 | 35.88 | .Q | V | . | . | . | . |
| 8.517 | 19.1776 | 35.91 | .Q | V | . | . | . | . |
| 8.533 | 19.2271 | 35.95 | .Q | V | . | . | . | . |
| 8.550 | 19.2767 | 35.98 | .Q | V | . | . | . | . |
| 8.567 | 19.3263 | 36.01 | .Q | V | . | . | . | . |
| 8.583 | 19.3759 | 36.05 | .Q | V | . | . | . | . |
| 8.600 | 19.4256 | 36.08 | .Q | V | . | . | . | . |
| 8.617 | 19.4754 | 36.11 | .Q | V | . | . | . | . |
| 8.633 | 19.5252 | 36.15 | .Q | V | . | . | . | . |
| 8.650 | 19.5750 | 36.18 | .Q | V | . | . | . | . |
| 8.667 | 19.6249 | 36.21 | .Q | V | . | . | . | . |
| 8.683 | 19.6748 | 36.25 | .Q | V | . | . | . | . |
| 8.700 | 19.7248 | 36.28 | .Q | V | . | . | . | . |
| 8.717 | 19.7748 | 36.31 | .Q | V | . | . | . | . |
| 8.733 | 19.8249 | 36.37 | .Q | V | . | . | . | . |
| 8.750 | 19.8751 | 36.44 | .Q | V | . | . | . | . |
| 8.767 | 19.9254 | 36.51 | .Q | V | . | . | . | . |
| 8.783 | 19.9758 | 36.58 | .Q | V | . | . | . | . |
| 8.800 | 20.0263 | 36.65 | .Q | V | . | . | . | . |
| 8.817 | 20.0768 | 36.72 | .Q | V | . | . | . | . |
| 8.833 | 20.1275 | 36.80 | .Q | V | . | . | . | . |
| 8.850 | 20.1783 | 36.87 | .Q | V | . | . | . | . |
| 8.867 | 20.2292 | 36.94 | .Q | V | . | . | . | . |
| 8.883 | 20.2802 | 37.01 | .Q | V | . | . | . | . |
| 8.900 | 20.3312 | 37.08 | .Q | V | . | . | . | . |
| 8.917 | 20.3824 | 37.15 | .Q | V | . | . | . | . |
| 8.933 | 20.4337 | 37.22 | .Q | V | . | . | . | . |
| 8.950 | 20.4850 | 37.29 | .Q | V | . | . | . | . |
| 8.967 | 20.5364 | 37.33 | .Q | V | . | . | . | . |
| 8.983 | 20.5879 | 37.37 | .Q | V | . | . | . | . |
| 9.000 | 20.6394 | 37.40 | .Q | V | . | . | . | . |
| 9.017 | 20.6910 | 37.44 | .Q | V | . | . | . | . |
| 9.033 | 20.7426 | 37.48 | .Q | V | . | . | . | . |
| 9.050 | 20.7943 | 37.51 | .Q | V | . | . | . | . |
| 9.067 | 20.8460 | 37.55 | .Q | V | . | . | . | . |
| 9.083 | 20.8978 | 37.59 | .Q | V | . | . | . | . |
| 9.100 | 20.9496 | 37.63 | .Q | V | . | . | . | . |
| 9.117 | 21.0015 | 37.66 | .Q | V | . | . | . | . |
| 9.133 | 21.0534 | 37.70 | .Q | V | . | . | . | . |
| 9.150 | 21.1054 | 37.74 | .Q | V | . | . | . | . |
| 9.167 | 21.1574 | 37.77 | .Q | V | . | . | . | . |
| 9.183 | 21.2095 | 37.82 | .Q | V | . | . | . | . |
| 9.200 | 21.2617 | 37.90 | .Q | V | . | . | . | . |
| 9.217 | 21.3141 | 37.98 | .Q | V | . | . | . | . |
| 9.233 | 21.3665 | 38.06 | .Q | V | . | . | . | . |
| 9.250 | 21.4190 | 38.14 | .Q | V | . | . | . | . |
| 9.267 | 21.4716 | 38.22 | .Q | V | . | . | . | . |
| 9.283 | 21.5244 | 38.29 | .Q | V | . | . | . | . |
| 9.300 | 21.5773 | 38.37 | .Q | V | . | . | . | . |
| 9.317 | 21.6302 | 38.45 | .Q | V | . | . | . | . |
| 9.333 | 21.6833 | 38.53 | .Q | V | . | . | . | . |
| 9.350 | 21.7365 | 38.61 | .Q | V | . | . | . | . |
| 9.367 | 21.7898 | 38.69 | .Q | V | . | . | . | . |
| 9.383 | 21.8432 | 38.77 | .Q | V | . | . | . | . |
| 9.400 | 21.8967 | 38.84 | .Q | V | . | . | . | . |
| 9.417 | 21.9502 | 38.90 | .Q | V | . | . | . | . |
| 9.433 | 22.0039 | 38.94 | .Q | V | . | . | . | . |
| 9.450 | 22.0576 | 38.98 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 9.467 | 22.1113 | 39.02 | .Q | V | . | . | . | . |
| 9.483 | 22.1651 | 39.06 | .Q | V | . | . | . | . |
| 9.500 | 22.2190 | 39.11 | .Q | V | . | . | . | . |
| 9.517 | 22.2729 | 39.15 | .Q | V | . | . | . | . |
| 9.533 | 22.3269 | 39.19 | .Q | V | . | . | . | . |
| 9.550 | 22.3809 | 39.23 | .Q | V | . | . | . | . |
| 9.567 | 22.4350 | 39.27 | .Q | V | . | . | . | . |
| 9.583 | 22.4892 | 39.31 | .Q | V | . | . | . | . |
| 9.600 | 22.5434 | 39.35 | .Q | V | . | . | . | . |
| 9.617 | 22.5976 | 39.40 | .Q | V | . | . | . | . |
| 9.633 | 22.6520 | 39.44 | .Q | V | . | . | . | . |
| 9.650 | 22.7064 | 39.52 | .Q | V | . | . | . | . |
| 9.667 | 22.7610 | 39.61 | .Q | V | . | . | . | . |
| 9.683 | 22.8157 | 39.70 | .Q | V | . | . | . | . |
| 9.700 | 22.8705 | 39.79 | .Q | V | . | . | . | . |
| 9.717 | 22.9254 | 39.87 | .Q | V | . | . | . | . |
| 9.733 | 22.9804 | 39.96 | .Q | V | . | . | . | . |
| 9.750 | 23.0356 | 40.05 | .Q | V | . | . | . | . |
| 9.767 | 23.0909 | 40.14 | .Q | V | . | . | . | . |
| 9.783 | 23.1463 | 40.23 | .Q | V | . | . | . | . |
| 9.800 | 23.2018 | 40.31 | .Q | V | . | . | . | . |
| 9.817 | 23.2575 | 40.40 | .Q | V | . | . | . | . |
| 9.833 | 23.3132 | 40.49 | .Q | V | . | . | . | . |
| 9.850 | 23.3691 | 40.58 | .Q | V | . | . | . | . |
| 9.867 | 23.4251 | 40.65 | .Q | V | . | . | . | . |
| 9.883 | 23.4812 | 40.70 | .Q | V | . | . | . | . |
| 9.900 | 23.5373 | 40.74 | .Q | V | . | . | . | . |
| 9.917 | 23.5935 | 40.79 | .Q | V | . | . | . | . |
| 9.933 | 23.6497 | 40.84 | .Q | V | . | . | . | . |
| 9.950 | 23.7060 | 40.88 | .Q | V | . | . | . | . |
| 9.967 | 23.7624 | 40.93 | .Q | V | . | . | . | . |
| 9.983 | 23.8189 | 40.98 | .Q | V | . | . | . | . |
| 10.000 | 23.8754 | 41.02 | .Q | V | . | . | . | . |
| 10.017 | 23.9319 | 41.07 | .Q | V | . | . | . | . |
| 10.033 | 23.9886 | 41.12 | .Q | V | . | . | . | . |
| 10.050 | 24.0453 | 41.16 | .Q | V | . | . | . | . |
| 10.067 | 24.1020 | 41.21 | .Q | V | . | . | . | . |
| 10.083 | 24.1588 | 41.26 | .Q | V | . | . | . | . |
| 10.100 | 24.2158 | 41.34 | .Q | V | . | . | . | . |
| 10.117 | 24.2729 | 41.44 | .Q | V | . | . | . | . |
| 10.133 | 24.3301 | 41.53 | .Q | V | . | . | . | . |
| 10.150 | 24.3874 | 41.63 | .Q | V | . | . | . | . |
| 10.167 | 24.4449 | 41.73 | .Q | V | . | . | . | . |
| 10.183 | 24.5025 | 41.83 | .Q | V | . | . | . | . |
| 10.200 | 24.5603 | 41.93 | .Q | V | . | . | . | . |
| 10.217 | 24.6182 | 42.03 | .Q | V | . | . | . | . |
| 10.233 | 24.6762 | 42.13 | .Q | V | . | . | . | . |
| 10.250 | 24.7344 | 42.23 | .Q | V | . | . | . | . |
| 10.267 | 24.7927 | 42.33 | .Q | V | . | . | . | . |
| 10.283 | 24.8511 | 42.42 | .Q | V | . | . | . | . |
| 10.300 | 24.9097 | 42.52 | .Q | V | . | . | . | . |
| 10.317 | 24.9684 | 42.62 | .Q | V | . | . | . | . |
| 10.333 | 25.0271 | 42.68 | .Q | V | . | . | . | . |
| 10.350 | 25.0860 | 42.73 | .Q | V | . | . | . | . |
| 10.367 | 25.1449 | 42.78 | .Q | V | . | . | . | . |
| 10.383 | 25.2039 | 42.83 | .Q | V | . | . | . | . |
| 10.400 | 25.2630 | 42.89 | .Q | V | . | . | . | . |
| 10.417 | 25.3221 | 42.94 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 10.433 | 25.3814 | 42.99 | .Q | V | . | . | . | . |
| 10.450 | 25.4406 | 43.04 | .Q | V | . | . | . | . |
| 10.467 | 25.5000 | 43.10 | .Q | V | . | . | . | . |
| 10.483 | 25.5594 | 43.15 | .Q | V | . | . | . | . |
| 10.500 | 25.6189 | 43.20 | .Q | V | . | . | . | . |
| 10.517 | 25.6785 | 43.25 | .Q | V | . | . | . | . |
| 10.533 | 25.7382 | 43.31 | .Q | V | . | . | . | . |
| 10.550 | 25.7979 | 43.38 | .Q | V | . | . | . | . |
| 10.567 | 25.8578 | 43.49 | .Q | V | . | . | . | . |
| 10.583 | 25.9179 | 43.60 | .Q | V | . | . | . | . |
| 10.600 | 25.9781 | 43.72 | .Q | V | . | . | . | . |
| 10.617 | 26.0385 | 43.83 | .Q | V | . | . | . | . |
| 10.633 | 26.0990 | 43.94 | .Q | V | . | . | . | . |
| 10.650 | 26.1597 | 44.05 | .Q | V | . | . | . | . |
| 10.667 | 26.2205 | 44.17 | .Q | V | . | . | . | . |
| 10.683 | 26.2815 | 44.28 | .Q | V | . | . | . | . |
| 10.700 | 26.3427 | 44.39 | .Q | V | . | . | . | . |
| 10.717 | 26.4040 | 44.50 | .Q | V | . | . | . | . |
| 10.733 | 26.4654 | 44.62 | .Q | V | . | . | . | . |
| 10.750 | 26.5270 | 44.73 | .Q | V | . | . | . | . |
| 10.767 | 26.5888 | 44.84 | .Q | V | . | . | . | . |
| 10.783 | 26.6507 | 44.92 | .Q | V | . | . | . | . |
| 10.800 | 26.7126 | 44.98 | .Q | V | . | . | . | . |
| 10.817 | 26.7747 | 45.04 | .Q | V | . | . | . | . |
| 10.833 | 26.8368 | 45.10 | .Q | V | . | . | . | . |
| 10.850 | 26.8990 | 45.16 | .Q | V | . | . | . | . |
| 10.867 | 26.9613 | 45.22 | .Q | V | . | . | . | . |
| 10.883 | 27.0236 | 45.28 | .Q | V | . | . | . | . |
| 10.900 | 27.0861 | 45.34 | .Q | V | . | . | . | . |
| 10.917 | 27.1486 | 45.40 | .Q | V | . | . | . | . |
| 10.933 | 27.2112 | 45.46 | .Q | V | . | . | . | . |
| 10.950 | 27.2739 | 45.52 | .Q | V | . | . | . | . |
| 10.967 | 27.3367 | 45.58 | .Q | V | . | . | . | . |
| 10.983 | 27.3996 | 45.64 | .Q | V | . | . | . | . |
| 11.000 | 27.4626 | 45.71 | .Q | V | . | . | . | . |
| 11.017 | 27.5257 | 45.83 | .Q | V | . | . | . | . |
| 11.033 | 27.5890 | 45.96 | .Q | V | . | . | . | . |
| 11.050 | 27.6525 | 46.09 | .Q | V | . | . | . | . |
| 11.067 | 27.7162 | 46.22 | .Q | V | . | . | . | . |
| 11.083 | 27.7800 | 46.35 | .Q | V | . | . | . | . |
| 11.100 | 27.8440 | 46.48 | .Q | V | . | . | . | . |
| 11.117 | 27.9082 | 46.61 | .Q | V | . | . | . | . |
| 11.133 | 27.9726 | 46.74 | .Q | V | . | . | . | . |
| 11.150 | 28.0372 | 46.87 | .Q | V | . | . | . | . |
| 11.167 | 28.1019 | 47.00 | .Q | V | . | . | . | . |
| 11.183 | 28.1668 | 47.13 | .Q | V | . | . | . | . |
| 11.200 | 28.2319 | 47.26 | .Q | V | . | . | . | . |
| 11.217 | 28.2972 | 47.39 | .Q | V | . | . | . | . |
| 11.233 | 28.3626 | 47.50 | .Q | V | . | . | . | . |
| 11.250 | 28.4281 | 47.57 | .Q | V | . | . | . | . |
| 11.267 | 28.4937 | 47.64 | .Q | V | . | . | . | . |
| 11.283 | 28.5595 | 47.70 | .Q | V | . | . | . | . |
| 11.300 | 28.6253 | 47.77 | .Q | V | . | . | . | . |
| 11.317 | 28.6912 | 47.84 | .Q | V | . | . | . | . |
| 11.333 | 28.7572 | 47.91 | .Q | V | . | . | . | . |
| 11.350 | 28.8232 | 47.98 | .Q | V | . | . | . | . |
| 11.367 | 28.8894 | 48.05 | .Q | V | . | . | . | . |
| 11.383 | 28.9557 | 48.12 | .Q | V | . | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 11.400 | 29.0221 | 48.19 | .Q | V | . | . | . |
| 11.417 | 29.0886 | 48.26 | .Q | V | . | . | . |
| 11.433 | 29.1552 | 48.33 | .Q | V | . | . | . |
| 11.450 | 29.2218 | 48.40 | .Q | V | . | . | . |
| 11.467 | 29.2887 | 48.53 | .Q | V | . | . | . |
| 11.483 | 29.3557 | 48.68 | .Q | V | . | . | . |
| 11.500 | 29.4230 | 48.83 | .Q | V | . | . | . |
| 11.517 | 29.4904 | 48.98 | .Q | V | . | . | . |
| 11.533 | 29.5581 | 49.13 | .Q | V | . | . | . |
| 11.550 | 29.6260 | 49.28 | .Q | V | . | . | . |
| 11.567 | 29.6941 | 49.43 | .Q | V | . | . | . |
| 11.583 | 29.7624 | 49.59 | .Q | V | . | . | . |
| 11.600 | 29.8309 | 49.74 | .Q | V | . | . | . |
| 11.617 | 29.8996 | 49.89 | .Q | V | . | . | . |
| 11.633 | 29.9686 | 50.04 | .Q | V | . | . | . |
| 11.650 | 30.0377 | 50.19 | .Q | V | . | . | . |
| 11.667 | 30.1070 | 50.34 | .Q | V | . | . | . |
| 11.683 | 30.1766 | 50.48 | .Q | V | . | . | . |
| 11.700 | 30.2462 | 50.57 | .Q | V | . | . | . |
| 11.717 | 30.3160 | 50.65 | .Q | V | . | . | . |
| 11.733 | 30.3859 | 50.73 | .Q | V | . | . | . |
| 11.750 | 30.4559 | 50.82 | .Q | V | . | . | . |
| 11.767 | 30.5260 | 50.90 | .Q | V | . | . | . |
| 11.783 | 30.5962 | 50.98 | .Q | V | . | . | . |
| 11.800 | 30.6665 | 51.06 | .Q | V | . | . | . |
| 11.817 | 30.7370 | 51.14 | .Q | V | . | . | . |
| 11.833 | 30.8075 | 51.23 | .Q | V | . | . | . |
| 11.850 | 30.8782 | 51.31 | .Q | V | . | . | . |
| 11.867 | 30.9490 | 51.39 | .Q | V | . | . | . |
| 11.883 | 31.0199 | 51.47 | .Q | V | . | . | . |
| 11.900 | 31.0909 | 51.55 | .Q | V | . | . | . |
| 11.917 | 31.1623 | 51.85 | .Q | V | . | . | . |
| 11.933 | 31.2346 | 52.48 | .Q | V | . | . | . |
| 11.950 | 31.3078 | 53.12 | .Q | V | . | . | . |
| 11.967 | 31.3818 | 53.75 | .Q | V | . | . | . |
| 11.983 | 31.4567 | 54.39 | .Q | V | . | . | . |
| 12.000 | 31.5325 | 55.02 | .Q | V | . | . | . |
| 12.017 | 31.6092 | 55.66 | .Q | V | . | . | . |
| 12.033 | 31.6867 | 56.29 | .Q | V | . | . | . |
| 12.050 | 31.7651 | 56.93 | .Q | V | . | . | . |
| 12.067 | 31.8444 | 57.56 | .Q | V | . | . | . |
| 12.083 | 31.9246 | 58.20 | .Q | V | . | . | . |
| 12.100 | 32.0056 | 58.83 | .Q | V | . | . | . |
| 12.117 | 32.0875 | 59.47 | .Q | V | . | . | . |
| 12.133 | 32.1703 | 60.11 | .Q | V | . | . | . |
| 12.150 | 32.2543 | 60.95 | .Q | V | . | . | . |
| 12.167 | 32.3395 | 61.89 | .Q | V | . | . | . |
| 12.183 | 32.4260 | 62.82 | .Q | V | . | . | . |
| 12.200 | 32.5139 | 63.76 | .Q | V | . | . | . |
| 12.217 | 32.6030 | 64.69 | .Q | V | . | . | . |
| 12.233 | 32.6934 | 65.63 | .Q | V | . | . | . |
| 12.250 | 32.7850 | 66.56 | .Q | V | . | . | . |
| 12.267 | 32.8780 | 67.50 | .Q | V | . | . | . |
| 12.283 | 32.9723 | 68.43 | .Q | V | . | . | . |
| 12.300 | 33.0678 | 69.37 | .Q | V | . | . | . |
| 12.317 | 33.1647 | 70.30 | .Q | V | . | . | . |
| 12.333 | 33.2628 | 71.24 | .Q | V | . | . | . |
| 12.350 | 33.3622 | 72.17 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.367 | 33.4627 | 73.00 | .Q | V | . | . | . |
| 12.383 | 33.5637 | 73.29 | .Q | V | . | . | . |
| 12.400 | 33.6650 | 73.53 | .Q | V | . | . | . |
| 12.417 | 33.7666 | 73.76 | .Q | V | . | . | . |
| 12.433 | 33.8685 | 73.99 | .Q | V | . | . | . |
| 12.450 | 33.9707 | 74.22 | .Q | V | . | . | . |
| 12.467 | 34.0733 | 74.45 | .Q | V | . | . | . |
| 12.483 | 34.1761 | 74.68 | .Q | V | . | . | . |
| 12.500 | 34.2793 | 74.91 | .Q | V | . | . | . |
| 12.517 | 34.3828 | 75.14 | .Q | V | . | . | . |
| 12.533 | 34.4866 | 75.37 | .Q | V | . | . | . |
| 12.550 | 34.5908 | 75.60 | .Q | V | . | . | . |
| 12.567 | 34.6952 | 75.84 | .Q | V | . | . | . |
| 12.583 | 34.8000 | 76.07 | .Q | V | . | . | . |
| 12.600 | 34.9050 | 76.26 | .Q | V | . | . | . |
| 12.617 | 35.0102 | 76.38 | .Q | V | . | . | . |
| 12.633 | 35.1156 | 76.51 | .Q | V | . | . | . |
| 12.650 | 35.2212 | 76.64 | .Q | V | . | . | . |
| 12.667 | 35.3269 | 76.76 | .Q | V | . | . | . |
| 12.683 | 35.4328 | 76.89 | .Q | V | . | . | . |
| 12.700 | 35.5389 | 77.02 | .Q | V | . | . | . |
| 12.717 | 35.6452 | 77.15 | .Q | V | . | . | . |
| 12.733 | 35.7516 | 77.27 | .Q | V | . | . | . |
| 12.750 | 35.8582 | 77.40 | .Q | .V | . | . | . |
| 12.767 | 35.9650 | 77.53 | .Q | .V | . | . | . |
| 12.783 | 36.0720 | 77.65 | .Q | .V | . | . | . |
| 12.800 | 36.1791 | 77.78 | .Q | .V | . | . | . |
| 12.817 | 36.2864 | 77.91 | .Q | .V | . | . | . |
| 12.833 | 36.3941 | 78.15 | .Q | .V | . | . | . |
| 12.850 | 36.5021 | 78.43 | .Q | .V | . | . | . |
| 12.867 | 36.6105 | 78.71 | .Q | .V | . | . | . |
| 12.883 | 36.7193 | 79.00 | .Q | .V | . | . | . |
| 12.900 | 36.8285 | 79.28 | .Q | .V | . | . | . |
| 12.917 | 36.9381 | 79.56 | .Q | .V | . | . | . |
| 12.933 | 37.0481 | 79.84 | .Q | .V | . | . | . |
| 12.950 | 37.1585 | 80.12 | .Q | .V | . | . | . |
| 12.967 | 37.2692 | 80.40 | .Q | .V | . | . | . |
| 12.983 | 37.3803 | 80.69 | .Q | .V | . | . | . |
| 13.000 | 37.4919 | 80.97 | .Q | .V | . | . | . |
| 13.017 | 37.6038 | 81.25 | .Q | .V | . | . | . |
| 13.033 | 37.7161 | 81.53 | .Q | .V | . | . | . |
| 13.050 | 37.8288 | 81.79 | .Q | .V | . | . | . |
| 13.067 | 37.9417 | 81.96 | .Q | .V | . | . | . |
| 13.083 | 38.0548 | 82.12 | .Q | .V | . | . | . |
| 13.100 | 38.1681 | 82.28 | .Q | .V | . | . | . |
| 13.117 | 38.2816 | 82.43 | .Q | .V | . | . | . |
| 13.133 | 38.3954 | 82.59 | .Q | .V | . | . | . |
| 13.150 | 38.5094 | 82.75 | .Q | .V | . | . | . |
| 13.167 | 38.6236 | 82.90 | .Q | .V | . | . | . |
| 13.183 | 38.7380 | 83.06 | .Q | .V | . | . | . |
| 13.200 | 38.8526 | 83.22 | .Q | .V | . | . | . |
| 13.217 | 38.9674 | 83.38 | .Q | .V | . | . | . |
| 13.233 | 39.0825 | 83.53 | .Q | .V | . | . | . |
| 13.250 | 39.1978 | 83.69 | .Q | .V | . | . | . |
| 13.267 | 39.3133 | 83.85 | .Q | .V | . | . | . |
| 13.283 | 39.4291 | 84.09 | .Q | .V | . | . | . |
| 13.300 | 39.5454 | 84.44 | .Q | .V | . | . | . |
| 13.317 | 39.6622 | 84.79 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|--------|-----|-----|---|---|---|
| 13.333 | 39.7795 | 85.15 | . Q | . V | . | . | . |
| 13.350 | 39.8973 | 85.50 | . Q | . V | . | . | . |
| 13.367 | 40.0155 | 85.86 | . Q | . V | . | . | . |
| 13.383 | 40.1343 | 86.21 | . Q | . V | . | . | . |
| 13.400 | 40.2535 | 86.57 | . Q | . V | . | . | . |
| 13.417 | 40.3732 | 86.92 | . Q | . V | . | . | . |
| 13.433 | 40.4934 | 87.27 | . Q | . V | . | . | . |
| 13.450 | 40.6141 | 87.63 | . Q | . V | . | . | . |
| 13.467 | 40.7353 | 87.98 | . Q | . V | . | . | . |
| 13.483 | 40.8570 | 88.34 | . Q | . V | . | . | . |
| 13.500 | 40.9792 | 88.69 | . Q | . V | . | . | . |
| 13.517 | 41.1017 | 88.93 | . Q | . V | . | . | . |
| 13.533 | 41.2244 | 89.13 | . Q | . V | . | . | . |
| 13.550 | 41.3475 | 89.33 | . Q | . V | . | . | . |
| 13.567 | 41.4708 | 89.53 | . Q | . V | . | . | . |
| 13.583 | 41.5944 | 89.73 | . Q | . V | . | . | . |
| 13.600 | 41.7183 | 89.93 | . Q | . V | . | . | . |
| 13.617 | 41.8424 | 90.14 | . Q | . V | . | . | . |
| 13.633 | 41.9669 | 90.34 | . Q | . V | . | . | . |
| 13.650 | 42.0916 | 90.54 | . Q | . V | . | . | . |
| 13.667 | 42.2165 | 90.74 | . Q | . V | . | . | . |
| 13.683 | 42.3418 | 90.94 | . Q | . V | . | . | . |
| 13.700 | 42.4673 | 91.14 | . Q | . V | . | . | . |
| 13.717 | 42.5932 | 91.34 | . Q | . V | . | . | . |
| 13.733 | 42.7193 | 91.59 | . Q | . V | . | . | . |
| 13.750 | 42.8461 | 92.03 | . Q | . V | . | . | . |
| 13.767 | 42.9735 | 92.50 | . Q | . V | . | . | . |
| 13.783 | 43.1015 | 92.96 | . Q | . V | . | . | . |
| 13.800 | 43.2302 | 93.43 | . Q | . V | . | . | . |
| 13.817 | 43.3596 | 93.89 | . Q | . V | . | . | . |
| 13.833 | 43.4895 | 94.35 | . Q | . V | . | . | . |
| 13.850 | 43.6201 | 94.82 | . Q | . V | . | . | . |
| 13.867 | 43.7514 | 95.28 | . Q | . V | . | . | . |
| 13.883 | 43.8832 | 95.74 | . Q | . V | . | . | . |
| 13.900 | 44.0158 | 96.21 | . Q | . V | . | . | . |
| 13.917 | 44.1489 | 96.67 | . Q | . V | . | . | . |
| 13.933 | 44.2827 | 97.14 | . Q | . V | . | . | . |
| 13.950 | 44.4171 | 97.60 | . Q | . V | . | . | . |
| 13.967 | 44.5521 | 97.97 | . Q | . V | . | . | . |
| 13.983 | 44.6874 | 98.22 | . Q | . V | . | . | . |
| 14.000 | 44.8230 | 98.48 | . Q | . V | . | . | . |
| 14.017 | 44.9590 | 98.73 | . Q | . V | . | . | . |
| 14.033 | 45.0954 | 98.98 | . Q | . V | . | . | . |
| 14.050 | 45.2320 | 99.24 | . Q | . V | . | . | . |
| 14.067 | 45.3691 | 99.49 | . Q | . V | . | . | . |
| 14.083 | 45.5065 | 99.74 | . Q | . V | . | . | . |
| 14.100 | 45.6442 | 99.99 | . Q | . V | . | . | . |
| 14.117 | 45.7823 | 100.25 | . Q | . V | . | . | . |
| 14.133 | 45.9207 | 100.50 | . Q | . V | . | . | . |
| 14.150 | 46.0595 | 100.75 | . Q | . V | . | . | . |
| 14.167 | 46.1986 | 101.01 | . Q | . V | . | . | . |
| 14.183 | 46.3381 | 101.27 | . Q | . V | . | . | . |
| 14.200 | 46.4783 | 101.75 | . Q | . V | . | . | . |
| 14.217 | 46.6192 | 102.32 | . Q | . V | . | . | . |
| 14.233 | 46.7609 | 102.88 | . Q | . V | . | . | . |
| 14.250 | 46.9034 | 103.44 | . Q | . V | . | . | . |
| 14.267 | 47.0467 | 104.01 | . Q | . V | . | . | . |
| 14.283 | 47.1907 | 104.57 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|--------|-----|-----|---|---|---|
| 14.300 | 47.3355 | 105.14 | . Q | . V | . | . | . |
| 14.317 | 47.4811 | 105.70 | . Q | . V | . | . | . |
| 14.333 | 47.6275 | 106.26 | . Q | . V | . | . | . |
| 14.350 | 47.7746 | 106.83 | . Q | . V | . | . | . |
| 14.367 | 47.9225 | 107.39 | . Q | . V | . | . | . |
| 14.383 | 48.0712 | 107.95 | . Q | . V | . | . | . |
| 14.400 | 48.2207 | 108.52 | . Q | . V | . | . | . |
| 14.417 | 48.3709 | 109.05 | . Q | . V | . | . | . |
| 14.433 | 48.5217 | 109.45 | . Q | . V | . | . | . |
| 14.450 | 48.6730 | 109.84 | . Q | . V | . | . | . |
| 14.467 | 48.8248 | 110.23 | . Q | . V | . | . | . |
| 14.483 | 48.9771 | 110.62 | . Q | . V | . | . | . |
| 14.500 | 49.1301 | 111.01 | . Q | . V | . | . | . |
| 14.517 | 49.2835 | 111.40 | . Q | . V | . | . | . |
| 14.533 | 49.4375 | 111.79 | . Q | . V | . | . | . |
| 14.550 | 49.5920 | 112.18 | . Q | . V | . | . | . |
| 14.567 | 49.7471 | 112.57 | . Q | . V | . | . | . |
| 14.583 | 49.9026 | 112.96 | . Q | . V | . | . | . |
| 14.600 | 50.0588 | 113.35 | . Q | . V | . | . | . |
| 14.617 | 50.2154 | 113.74 | . Q | . V | . | . | . |
| 14.633 | 50.3726 | 114.13 | . Q | . V | . | . | . |
| 14.650 | 50.5308 | 114.79 | . Q | . V | . | . | . |
| 14.667 | 50.6902 | 115.77 | . Q | . V | . | . | . |
| 14.683 | 50.8510 | 116.76 | . Q | . V | . | . | . |
| 14.700 | 51.0132 | 117.74 | . Q | . V | . | . | . |
| 14.717 | 51.1767 | 118.72 | . Q | . V | . | . | . |
| 14.733 | 51.3416 | 119.70 | . Q | . V | . | . | . |
| 14.750 | 51.5078 | 120.68 | . Q | . V | . | . | . |
| 14.767 | 51.6754 | 121.66 | . Q | . V | . | . | . |
| 14.783 | 51.8444 | 122.64 | . Q | . V | . | . | . |
| 14.800 | 52.0146 | 123.63 | . Q | . V | . | . | . |
| 14.817 | 52.1863 | 124.61 | . Q | . V | . | . | . |
| 14.833 | 52.3593 | 125.59 | . Q | . V | . | . | . |
| 14.850 | 52.5336 | 126.57 | . Q | . V | . | . | . |
| 14.867 | 52.7093 | 127.54 | . Q | . V | . | . | . |
| 14.883 | 52.8859 | 128.26 | . Q | . V | . | . | . |
| 14.900 | 53.0635 | 128.89 | . Q | . V | . | . | . |
| 14.917 | 53.2419 | 129.53 | . Q | . V | . | . | . |
| 14.933 | 53.4212 | 130.16 | . Q | . V | . | . | . |
| 14.950 | 53.6013 | 130.80 | . Q | . V | . | . | . |
| 14.967 | 53.7824 | 131.43 | . Q | . V | . | . | . |
| 14.983 | 53.9643 | 132.07 | . Q | . V | . | . | . |
| 15.000 | 54.1471 | 132.70 | . Q | . V | . | . | . |
| 15.017 | 54.3307 | 133.34 | . Q | . V | . | . | . |
| 15.033 | 54.5153 | 133.97 | . Q | . V | . | . | . |
| 15.050 | 54.7007 | 134.61 | . Q | . V | . | . | . |
| 15.067 | 54.8870 | 135.25 | . Q | . V | . | . | . |
| 15.083 | 55.0741 | 135.88 | . Q | . V | . | . | . |
| 15.100 | 55.2626 | 136.80 | . Q | . V | . | . | . |
| 15.117 | 55.4536 | 138.72 | . Q | . V | . | . | . |
| 15.133 | 55.6475 | 140.74 | . Q | . V | . | . | . |
| 15.150 | 55.8441 | 142.76 | . Q | . V | . | . | . |
| 15.167 | 56.0435 | 144.77 | . Q | . V | . | . | . |
| 15.183 | 56.2457 | 146.79 | . Q | . V | . | . | . |
| 15.200 | 56.4507 | 148.80 | . Q | . V | . | . | . |
| 15.217 | 56.6584 | 150.82 | . Q | . V | . | . | . |
| 15.233 | 56.8690 | 152.84 | . Q | . V | . | . | . |
| 15.250 | 57.0823 | 154.85 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|---------|---|----|---|---|---|---|---|
| 15.267 | 57.2983 | 156.87 | . | Q | . | V | . | . | . |
| 15.283 | 57.5172 | 158.88 | . | Q | . | V | . | . | . |
| 15.300 | 57.7388 | 160.90 | . | Q | . | V | . | . | . |
| 15.317 | 57.9632 | 162.91 | . | Q | . | V | . | . | . |
| 15.333 | 58.1895 | 164.30 | . | Q | . | V | . | . | . |
| 15.350 | 58.4168 | 165.01 | . | Q | . | V | . | . | . |
| 15.367 | 58.6450 | 165.71 | . | Q | . | V | . | . | . |
| 15.383 | 58.8743 | 166.42 | . | Q | . | V | . | . | . |
| 15.400 | 59.1045 | 167.12 | . | Q | . | V | . | . | . |
| 15.417 | 59.3356 | 167.83 | . | Q | . | V | . | . | . |
| 15.433 | 59.5678 | 168.53 | . | Q | . | V | . | . | . |
| 15.450 | 59.8009 | 169.24 | . | Q | . | V | . | . | . |
| 15.467 | 60.0350 | 169.94 | . | Q | . | V | . | . | . |
| 15.483 | 60.2700 | 170.65 | . | Q | . | V | . | . | . |
| 15.500 | 60.5060 | 171.36 | . | Q | . | V | . | . | . |
| 15.517 | 60.7430 | 172.06 | . | Q | . | V | . | . | . |
| 15.533 | 60.9810 | 172.77 | . | Q | . | V | . | . | . |
| 15.550 | 61.2203 | 173.70 | . | Q | . | V | . | . | . |
| 15.567 | 61.4653 | 177.87 | . | Q | . | V | . | . | . |
| 15.583 | 61.7175 | 183.09 | . | Q | . | V | . | . | . |
| 15.600 | 61.9768 | 188.30 | . | Q | . | V | . | . | . |
| 15.617 | 62.2434 | 193.52 | . | Q | . | V | . | . | . |
| 15.633 | 62.5171 | 198.73 | . | Q | . | V | . | . | . |
| 15.650 | 62.7980 | 203.94 | . | Q | . | V | . | . | . |
| 15.667 | 63.0861 | 209.16 | . | Q | . | V | . | . | . |
| 15.683 | 63.3814 | 214.37 | . | Q | . | V | . | . | . |
| 15.700 | 63.6839 | 219.58 | . | Q | . | V | . | . | . |
| 15.717 | 63.9935 | 224.80 | . | Q | . | V | . | . | . |
| 15.733 | 64.3103 | 230.01 | . | Q | . | V | . | . | . |
| 15.750 | 64.6343 | 235.22 | . | Q | . | V | . | . | . |
| 15.767 | 64.9655 | 240.44 | . | Q | . | V | . | . | . |
| 15.783 | 65.3052 | 246.64 | . | Q | . | V | . | . | . |
| 15.800 | 65.6580 | 256.11 | . | Q | . | V | . | . | . |
| 15.817 | 66.0241 | 265.84 | . | Q | . | V | . | . | . |
| 15.833 | 66.4037 | 275.57 | . | Q | . | V | . | . | . |
| 15.850 | 66.7967 | 285.30 | . | Q | . | V | . | . | . |
| 15.867 | 67.2031 | 295.03 | . | Q | . | V | . | . | . |
| 15.883 | 67.6229 | 304.76 | . | Q | . | V | . | . | . |
| 15.900 | 68.0560 | 314.49 | . | Q | . | V | . | . | . |
| 15.917 | 68.5026 | 324.23 | . | Q | . | V | . | . | . |
| 15.933 | 68.9626 | 333.96 | . | .Q | . | V | . | . | . |
| 15.950 | 69.4360 | 343.69 | . | .Q | . | V | . | . | . |
| 15.967 | 69.9229 | 353.42 | . | .Q | . | V | . | . | . |
| 15.983 | 70.4231 | 363.15 | . | .Q | . | V | . | . | . |
| 16.000 | 70.9367 | 372.88 | . | .Q | . | V | . | . | . |
| 16.017 | 71.4978 | 407.40 | . | .Q | . | V | . | . | . |
| 16.033 | 72.1407 | 466.70 | . | .Q | . | V | . | . | . |
| 16.050 | 72.8652 | 526.00 | . | .Q | . | V | . | . | . |
| 16.067 | 73.6714 | 585.30 | . | .Q | . | V | . | . | . |
| 16.083 | 74.5592 | 644.60 | . | .Q | . | V | . | . | . |
| 16.100 | 75.5288 | 703.90 | . | . | . | Q | . | . | . |
| 16.117 | 76.5800 | 763.20 | . | . | . | V | Q | . | . |
| 16.133 | 77.7129 | 822.49 | . | . | . | V | Q | . | . |
| 16.150 | 78.9275 | 881.79 | . | . | . | V | Q | . | . |
| 16.167 | 80.2238 | 941.09 | . | . | . | V | Q | . | . |
| 16.183 | 81.6018 | 1000.39 | . | . | . | V | Q | . | . |
| 16.200 | 83.0614 | 1059.69 | . | . | . | V | Q | . | . |
| 16.217 | 84.6027 | 1118.99 | . | . | . | V | Q | . | . |

| | | | | | | | | | |
|--------|----------|---------|---|---|---|---|---|----|---|
| 16.233 | 86.2388 | 1187.78 | . | . | . | V | . | Q. | . |
| 16.250 | 87.7898 | 1126.09 | . | . | . | V | . | Q | . |
| 16.267 | 89.2398 | 1052.65 | . | . | . | V | . | Q | . |
| 16.283 | 90.5885 | 979.21 | . | . | . | V | . | Q | . |
| 16.300 | 91.8362 | 905.77 | . | . | . | V | Q | . | . |
| 16.317 | 92.9826 | 832.32 | . | . | . | Q | . | . | . |
| 16.333 | 94.0279 | 758.88 | . | . | . | Q | Q | V | . |
| 16.350 | 94.9720 | 685.44 | . | . | . | Q | . | V | . |
| 16.367 | 95.8150 | 612.00 | . | . | . | Q | . | V | . |
| 16.383 | 96.5568 | 538.55 | . | . | . | Q | . | V | . |
| 16.400 | 97.1975 | 465.11 | . | . | . | Q | . | V | . |
| 16.417 | 97.7370 | 391.67 | . | . | . | Q | . | V | . |
| 16.433 | 98.1753 | 318.23 | . | . | . | Q | . | V | . |
| 16.450 | 98.5125 | 244.79 | . | . | . | Q | . | V | . |
| 16.467 | 98.7710 | 187.69 | . | . | . | Q | . | V | . |
| 16.483 | 99.0208 | 181.33 | . | . | . | Q | . | V | . |
| 16.500 | 99.2667 | 178.58 | . | . | . | Q | . | V | . |
| 16.517 | 99.5089 | 175.84 | . | . | . | Q | . | V | . |
| 16.533 | 99.7474 | 173.09 | . | . | . | Q | . | V | . |
| 16.550 | 99.9820 | 170.35 | . | . | . | Q | . | V | . |
| 16.567 | 100.2129 | 167.60 | . | . | . | Q | . | V | . |
| 16.583 | 100.4399 | 164.86 | . | . | . | Q | . | V | . |
| 16.600 | 100.6632 | 162.12 | . | . | . | Q | . | V | . |
| 16.617 | 100.8828 | 159.37 | . | . | . | Q | . | V | . |
| 16.633 | 101.0985 | 156.63 | . | . | . | Q | . | V | . |
| 16.650 | 101.3105 | 153.88 | . | . | . | Q | . | V | . |
| 16.667 | 101.5186 | 151.14 | . | . | . | Q | . | V | . |
| 16.683 | 101.7230 | 148.40 | . | . | . | Q | . | V | . |
| 16.700 | 101.9242 | 146.07 | . | . | . | Q | . | V | . |
| 16.717 | 102.1227 | 144.12 | . | . | . | Q | . | V | . |
| 16.733 | 102.3186 | 142.18 | . | . | . | Q | . | V | . |
| 16.750 | 102.5117 | 140.23 | . | . | . | Q | . | V | . |
| 16.767 | 102.7022 | 138.29 | . | . | . | Q | . | V | . |
| 16.783 | 102.8900 | 136.34 | . | . | . | Q | . | V | . |
| 16.800 | 103.0751 | 134.40 | . | . | . | Q | . | V | . |
| 16.817 | 103.2576 | 132.45 | . | . | . | Q | . | V | . |
| 16.833 | 103.4373 | 130.50 | . | . | . | Q | . | V | . |
| 16.850 | 103.6144 | 128.56 | . | . | . | Q | . | V | . |
| 16.867 | 103.7888 | 126.61 | . | . | . | Q | . | V | . |
| 16.883 | 103.9605 | 124.67 | . | . | . | Q | . | V | . |
| 16.900 | 104.1296 | 122.72 | . | . | . | Q | . | V | . |
| 16.917 | 104.2960 | 120.83 | . | . | . | Q | . | V | . |
| 16.933 | 104.4606 | 119.49 | . | . | . | Q | . | V | . |
| 16.950 | 104.6235 | 118.31 | . | . | . | Q | . | V | . |
| 16.967 | 104.7849 | 117.12 | . | . | . | Q | . | V | . |
| 16.983 | 104.9445 | 115.94 | . | . | . | Q | . | V | . |
| 17.000 | 105.1026 | 114.76 | . | . | . | Q | . | V | . |
| 17.017 | 105.2591 | 113.57 | . | . | . | Q | . | V | . |
| 17.033 | 105.4139 | 112.39 | . | . | . | Q | . | V | . |
| 17.050 | 105.5670 | 111.21 | . | . | . | Q | . | V | . |
| 17.067 | 105.7186 | 110.03 | . | . | . | Q | . | V | . |
| 17.083 | 105.8685 | 108.84 | . | . | . | Q | . | V | . |
| 17.100 | 106.0168 | 107.66 | . | . | . | Q | . | V | . |
| 17.117 | 106.1635 | 106.48 | . | . | . | Q | . | V | . |
| 17.133 | 106.3085 | 105.29 | . | . | . | Q | . | V | . |
| 17.150 | 106.4521 | 104.22 | . | . | . | Q | . | V | . |
| 17.167 | 106.5946 | 103.49 | . | . | . | Q | . | V | . |
| 17.183 | 106.7362 | 102.77 | . | . | . | Q | . | V | . |

| | | | | | | | |
|--------|----------|--------|-----|---|---|-----|---|
| 17.200 | 106.8767 | 102.05 | . Q | . | . | . V | . |
| 17.217 | 107.0163 | 101.33 | . Q | . | . | . V | . |
| 17.233 | 107.1549 | 100.61 | . Q | . | . | . V | . |
| 17.250 | 107.2925 | 99.89 | . Q | . | . | . V | . |
| 17.267 | 107.4291 | 99.18 | . Q | . | . | . V | . |
| 17.283 | 107.5647 | 98.46 | . Q | . | . | . V | . |
| 17.300 | 107.6993 | 97.74 | . Q | . | . | . V | . |
| 17.317 | 107.8330 | 97.02 | . Q | . | . | . V | . |
| 17.333 | 107.9656 | 96.30 | . Q | . | . | . V | . |
| 17.350 | 108.0973 | 95.58 | . Q | . | . | . V | . |
| 17.367 | 108.2280 | 94.87 | . Q | . | . | . V | . |
| 17.383 | 108.3577 | 94.21 | . Q | . | . | . V | . |
| 17.400 | 108.4866 | 93.60 | . Q | . | . | . V | . |
| 17.417 | 108.6147 | 93.00 | . Q | . | . | . V | . |
| 17.433 | 108.7420 | 92.39 | . Q | . | . | . V | . |
| 17.450 | 108.8684 | 91.78 | . Q | . | . | . V | . |
| 17.467 | 108.9940 | 91.18 | . Q | . | . | . V | . |
| 17.483 | 109.1188 | 90.57 | . Q | . | . | . V | . |
| 17.500 | 109.2427 | 89.97 | . Q | . | . | . V | . |
| 17.517 | 109.3658 | 89.36 | . Q | . | . | . V | . |
| 17.533 | 109.4880 | 88.75 | . Q | . | . | . V | . |
| 17.550 | 109.6094 | 88.15 | . Q | . | . | . V | . |
| 17.567 | 109.7300 | 87.54 | . Q | . | . | . V | . |
| 17.583 | 109.8498 | 86.94 | . Q | . | . | . V | . |
| 17.600 | 109.9687 | 86.34 | . Q | . | . | . V | . |
| 17.617 | 110.0869 | 85.84 | . Q | . | . | . V | . |
| 17.633 | 110.2045 | 85.37 | . Q | . | . | . V | . |
| 17.650 | 110.3215 | 84.90 | . Q | . | . | . V | . |
| 17.667 | 110.4377 | 84.42 | . Q | . | . | . V | . |
| 17.683 | 110.5534 | 83.95 | . Q | . | . | . V | . |
| 17.700 | 110.6684 | 83.48 | . Q | . | . | . V | . |
| 17.717 | 110.7827 | 83.00 | . Q | . | . | . V | . |
| 17.733 | 110.8964 | 82.53 | . Q | . | . | . V | . |
| 17.750 | 111.0094 | 82.06 | . Q | . | . | . V | . |
| 17.767 | 111.1218 | 81.59 | . Q | . | . | . V | . |
| 17.783 | 111.2335 | 81.11 | . Q | . | . | . V | . |
| 17.800 | 111.3446 | 80.64 | . Q | . | . | . V | . |
| 17.817 | 111.4550 | 80.17 | . Q | . | . | . V | . |
| 17.833 | 111.5648 | 79.72 | . Q | . | . | . V | . |
| 17.850 | 111.6741 | 79.33 | . Q | . | . | . V | . |
| 17.867 | 111.7828 | 78.95 | . Q | . | . | . V | . |
| 17.883 | 111.8910 | 78.57 | . Q | . | . | . V | . |
| 17.900 | 111.9987 | 78.19 | . Q | . | . | . V | . |
| 17.917 | 112.1059 | 77.80 | . Q | . | . | . V | . |
| 17.933 | 112.2126 | 77.42 | . Q | . | . | . V | . |
| 17.950 | 112.3187 | 77.04 | . Q | . | . | . V | . |
| 17.967 | 112.4243 | 76.66 | . Q | . | . | . V | . |
| 17.983 | 112.5293 | 76.28 | . Q | . | . | . V | . |
| 18.000 | 112.6339 | 75.89 | . Q | . | . | . V | . |
| 18.017 | 112.7379 | 75.51 | . Q | . | . | . V | . |
| 18.033 | 112.8414 | 75.13 | . Q | . | . | . V | . |
| 18.050 | 112.9443 | 74.74 | . Q | . | . | . V | . |
| 18.067 | 113.0458 | 73.69 | . Q | . | . | . V | . |
| 18.083 | 113.1451 | 72.09 | . Q | . | . | . V | . |
| 18.100 | 113.2422 | 70.50 | . Q | . | . | . V | . |
| 18.117 | 113.3371 | 68.90 | . Q | . | . | . V | . |
| 18.133 | 113.4298 | 67.31 | . Q | . | . | . V | . |
| 18.150 | 113.5203 | 65.71 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|----------|-------|-----|---|---|-----|---|
| 18.167 | 113.6086 | 64.12 | . Q | . | . | . V | . |
| 18.183 | 113.6947 | 62.52 | . Q | . | . | . V | . |
| 18.200 | 113.7787 | 60.93 | . Q | . | . | . V | . |
| 18.217 | 113.8604 | 59.33 | . Q | . | . | . V | . |
| 18.233 | 113.9399 | 57.74 | . Q | . | . | . V | . |
| 18.250 | 114.0173 | 56.14 | . Q | . | . | . V | . |
| 18.267 | 114.0924 | 54.55 | . Q | . | . | . V | . |
| 18.283 | 114.1655 | 53.06 | . Q | . | . | . V | . |
| 18.300 | 114.2379 | 52.57 | . Q | . | . | . V | . |
| 18.317 | 114.3099 | 52.32 | . Q | . | . | . V | . |
| 18.333 | 114.3817 | 52.08 | . Q | . | . | . V | . |
| 18.350 | 114.4531 | 51.83 | . Q | . | . | . V | . |
| 18.367 | 114.5241 | 51.58 | . Q | . | . | . V | . |
| 18.383 | 114.5948 | 51.34 | . Q | . | . | . V | . |
| 18.400 | 114.6652 | 51.09 | . Q | . | . | . V | . |
| 18.417 | 114.7352 | 50.85 | . Q | . | . | . V | . |
| 18.433 | 114.8049 | 50.60 | . Q | . | . | . V | . |
| 18.450 | 114.8743 | 50.35 | . Q | . | . | . V | . |
| 18.467 | 114.9433 | 50.11 | . Q | . | . | . V | . |
| 18.483 | 115.0120 | 49.86 | . Q | . | . | . V | . |
| 18.500 | 115.0803 | 49.61 | . Q | . | . | . V | . |
| 18.517 | 115.1483 | 49.38 | . Q | . | . | . V | . |
| 18.533 | 115.2161 | 49.17 | . Q | . | . | . V | . |
| 18.550 | 115.2835 | 48.96 | . Q | . | . | . V | . |
| 18.567 | 115.3506 | 48.75 | . Q | . | . | . V | . |
| 18.583 | 115.4175 | 48.54 | . Q | . | . | . V | . |
| 18.600 | 115.4841 | 48.33 | . Q | . | . | . V | . |
| 18.617 | 115.5503 | 48.12 | . Q | . | . | . V | . |
| 18.633 | 115.6163 | 47.91 | . Q | . | . | . V | . |
| 18.650 | 115.6820 | 47.70 | . Q | . | . | . V | . |
| 18.667 | 115.7475 | 47.49 | . Q | . | . | . V | . |
| 18.683 | 115.8126 | 47.28 | . Q | . | . | . V | . |
| 18.700 | 115.8774 | 47.07 | . Q | . | . | . V | . |
| 18.717 | 115.9420 | 46.86 | . Q | . | . | . V | . |
| 18.733 | 116.0062 | 46.65 | . Q | . | . | . V | . |
| 18.750 | 116.0702 | 46.46 | . Q | . | . | . V | . |
| 18.767 | 116.1340 | 46.28 | . Q | . | . | . V | . |
| 18.783 | 116.1974 | 46.10 | . Q | . | . | . V | . |
| 18.800 | 116.2607 | 45.92 | . Q | . | . | . V | . |
| 18.817 | 116.3237 | 45.74 | . Q | . | . | . V | . |
| 18.833 | 116.3864 | 45.55 | . Q | . | . | . V | . |
| 18.850 | 116.4489 | 45.37 | . Q | . | . | . V | . |
| 18.867 | 116.5112 | 45.19 | . Q | . | . | . V | . |
| 18.883 | 116.5732 | 45.01 | . Q | . | . | . V | . |
| 18.900 | 116.6349 | 44.83 | . Q | . | . | . V | . |
| 18.917 | 116.6964 | 44.65 | . Q | . | . | . V | . |
| 18.933 | 116.7577 | 44.47 | . Q | . | . | . V | . |
| 18.950 | 116.8187 | 44.29 | . Q | . | . | . V | . |
| 18.967 | 116.8794 | 44.11 | . Q | . | . | . V | . |
| 18.983 | 116.9400 | 43.95 | . Q | . | . | . V | . |
| 19.000 | 117.0003 | 43.79 | . Q | . | . | . V | . |
| 19.017 | 117.0604 | 43.63 | . Q | . | . | . V | . |
| 19.033 | 117.1203 | 43.47 | . Q | . | . | . V | . |
| 19.050 | 117.1799 | 43.31 | . Q | . | . | . V | . |
| 19.067 | 117.2394 | 43.16 | . Q | . | . | . V | . |
| 19.083 | 117.2986 | 43.00 | . Q | . | . | . V | . |
| 19.100 | 117.3576 | 42.84 | . Q | . | . | . V | . |
| 19.117 | 117.4164 | 42.68 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 19.133 | 117.4750 | 42.52 | .Q | . | . | . | V | . |
| 19.150 | 117.5333 | 42.37 | .Q | . | . | . | V | . |
| 19.167 | 117.5915 | 42.21 | .Q | . | . | . | V | . |
| 19.183 | 117.6494 | 42.05 | .Q | . | . | . | V | . |
| 19.200 | 117.7071 | 41.90 | .Q | . | . | . | V | . |
| 19.217 | 117.7646 | 41.76 | .Q | . | . | . | V | . |
| 19.233 | 117.8219 | 41.62 | .Q | . | . | . | V | . |
| 19.250 | 117.8791 | 41.48 | .Q | . | . | . | V | . |
| 19.267 | 117.9360 | 41.34 | .Q | . | . | . | V | . |
| 19.283 | 117.9928 | 41.20 | .Q | . | . | . | V | . |
| 19.300 | 118.0493 | 41.06 | .Q | . | . | . | V | . |
| 19.317 | 118.1057 | 40.92 | .Q | . | . | . | V | . |
| 19.333 | 118.1618 | 40.78 | .Q | . | . | . | V | . |
| 19.350 | 118.2178 | 40.64 | .Q | . | . | . | V | . |
| 19.367 | 118.2736 | 40.50 | .Q | . | . | . | V | . |
| 19.383 | 118.3292 | 40.36 | .Q | . | . | . | V | . |
| 19.400 | 118.3846 | 40.22 | .Q | . | . | . | V | . |
| 19.417 | 118.4398 | 40.08 | .Q | . | . | . | V | . |
| 19.433 | 118.4948 | 39.95 | .Q | . | . | . | V | . |
| 19.450 | 118.5497 | 39.83 | .Q | . | . | . | V | . |
| 19.467 | 118.6044 | 39.70 | .Q | . | . | . | V | . |
| 19.483 | 118.6589 | 39.58 | .Q | . | . | . | V | . |
| 19.500 | 118.7132 | 39.45 | .Q | . | . | . | V | . |
| 19.517 | 118.7674 | 39.33 | .Q | . | . | . | V | . |
| 19.533 | 118.8214 | 39.21 | .Q | . | . | . | V | . |
| 19.550 | 118.8753 | 39.08 | .Q | . | . | . | V | . |
| 19.567 | 118.9289 | 38.96 | .Q | . | . | . | V | . |
| 19.583 | 118.9824 | 38.83 | .Q | . | . | . | V | . |
| 19.600 | 119.0357 | 38.71 | .Q | . | . | . | V | . |
| 19.617 | 119.0889 | 38.58 | .Q | . | . | . | V | . |
| 19.633 | 119.1418 | 38.46 | .Q | . | . | . | V | . |
| 19.650 | 119.1946 | 38.34 | .Q | . | . | . | V | . |
| 19.667 | 119.2473 | 38.22 | .Q | . | . | . | V | . |
| 19.683 | 119.2998 | 38.11 | .Q | . | . | . | V | . |
| 19.700 | 119.3521 | 38.00 | .Q | . | . | . | V | . |
| 19.717 | 119.4043 | 37.89 | .Q | . | . | . | V | . |
| 19.733 | 119.4563 | 37.78 | .Q | . | . | . | V | . |
| 19.750 | 119.5082 | 37.66 | .Q | . | . | . | V | . |
| 19.767 | 119.5599 | 37.55 | .Q | . | . | . | V | . |
| 19.783 | 119.6115 | 37.44 | .Q | . | . | . | V | . |
| 19.800 | 119.6629 | 37.33 | .Q | . | . | . | V | . |
| 19.817 | 119.7142 | 37.22 | .Q | . | . | . | V | . |
| 19.833 | 119.7653 | 37.11 | .Q | . | . | . | V | . |
| 19.850 | 119.8163 | 36.99 | .Q | . | . | . | V | . |
| 19.867 | 119.8671 | 36.88 | .Q | . | . | . | V | . |
| 19.883 | 119.9177 | 36.77 | .Q | . | . | . | V | . |
| 19.900 | 119.9682 | 36.67 | .Q | . | . | . | V | . |
| 19.917 | 120.0186 | 36.57 | .Q | . | . | . | V | . |
| 19.933 | 120.0688 | 36.47 | .Q | . | . | . | V | . |
| 19.950 | 120.1189 | 36.37 | .Q | . | . | . | V | . |
| 19.967 | 120.1689 | 36.27 | .Q | . | . | . | V | . |
| 19.983 | 120.2187 | 36.17 | .Q | . | . | . | V | . |
| 20.000 | 120.2684 | 36.07 | .Q | . | . | . | V | . |
| 20.017 | 120.3179 | 35.97 | .Q | . | . | . | V | . |
| 20.033 | 120.3673 | 35.87 | .Q | . | . | . | V | . |
| 20.050 | 120.4166 | 35.77 | .Q | . | . | . | V | . |
| 20.067 | 120.4657 | 35.66 | .Q | . | . | . | V | . |
| 20.083 | 120.5147 | 35.56 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 20.100 | 120.5636 | 35.46 | .Q | . | . | . | V | . |
| 20.117 | 120.6123 | 35.37 | .Q | . | . | . | V | . |
| 20.133 | 120.6609 | 35.28 | .Q | . | . | . | V | . |
| 20.150 | 120.7093 | 35.18 | .Q | . | . | . | V | . |
| 20.167 | 120.7577 | 35.09 | .Q | . | . | . | V | . |
| 20.183 | 120.8059 | 35.00 | .Q | . | . | . | V | . |
| 20.200 | 120.8540 | 34.91 | .Q | . | . | . | V | . |
| 20.217 | 120.9019 | 34.82 | .Q | . | . | . | V | . |
| 20.233 | 120.9497 | 34.73 | .Q | . | . | . | V | . |
| 20.250 | 120.9974 | 34.63 | .Q | . | . | . | V | . |
| 20.267 | 121.0450 | 34.54 | .Q | . | . | . | V | . |
| 20.283 | 121.0925 | 34.45 | .Q | . | . | . | V | . |
| 20.300 | 121.1398 | 34.36 | .Q | . | . | . | V | . |
| 20.317 | 121.1870 | 34.27 | .Q | . | . | . | V | . |
| 20.333 | 121.2341 | 34.18 | .Q | . | . | . | V | . |
| 20.350 | 121.2810 | 34.09 | .Q | . | . | . | V | . |
| 20.367 | 121.3279 | 34.01 | .Q | . | . | . | V | . |
| 20.383 | 121.3746 | 33.92 | .Q | . | . | . | V | . |
| 20.400 | 121.4212 | 33.84 | .Q | . | . | . | V | . |
| 20.417 | 121.4677 | 33.76 | .Q | . | . | . | V | . |
| 20.433 | 121.5141 | 33.67 | .Q | . | . | . | V | . |
| 20.450 | 121.5604 | 33.59 | .Q | . | . | . | V | . |
| 20.467 | 121.6065 | 33.50 | .Q | . | . | . | V | . |
| 20.483 | 121.6525 | 33.42 | .Q | . | . | . | V | . |
| 20.500 | 121.6985 | 33.34 | .Q | . | . | . | V | . |
| 20.517 | 121.7443 | 33.25 | .Q | . | . | . | V | . |
| 20.533 | 121.7899 | 33.17 | .Q | . | . | . | V | . |
| 20.550 | 121.8355 | 33.09 | .Q | . | . | . | V | . |
| 20.567 | 121.8810 | 33.00 | .Q | . | . | . | V | . |
| 20.583 | 121.9263 | 32.93 | .Q | . | . | . | V | . |
| 20.600 | 121.9716 | 32.85 | .Q | . | . | . | V | . |
| 20.617 | 122.0167 | 32.77 | .Q | . | . | . | V | . |
| 20.633 | 122.0618 | 32.70 | .Q | . | . | . | V | . |
| 20.650 | 122.1067 | 32.62 | .Q | . | . | . | V | . |
| 20.667 | 122.1515 | 32.54 | .Q | . | . | . | V | . |
| 20.683 | 122.1962 | 32.47 | .Q | . | . | . | V | . |
| 20.700 | 122.2408 | 32.39 | .Q | . | . | . | V | . |
| 20.717 | 122.2853 | 32.31 | .Q | . | . | . | V | . |
| 20.733 | 122.3298 | 32.24 | .Q | . | . | . | V | . |
| 20.750 | 122.3740 | 32.16 | .Q | . | . | . | V | . |
| 20.767 | 122.4182 | 32.08 | .Q | . | . | . | V | . |
| 20.783 | 122.4623 | 32.00 | .Q | . | . | . | V | . |
| 20.800 | 122.5063 | 31.93 | .Q | . | . | . | V | . |
| 20.817 | 122.5502 | 31.86 | .Q | . | . | . | V | . |
| 20.833 | 122.5940 | 31.79 | .Q | . | . | . | V | . |
| 20.850 | 122.6377 | 31.72 | .Q | . | . | . | V | . |
| 20.867 | 122.6813 | 31.65 | .Q | . | . | . | V | . |
| 20.883 | 122.7247 | 31.58 | .Q | . | . | . | V | . |
| 20.900 | 122.7681 | 31.51 | .Q | . | . | . | V | . |
| 20.917 | 122.8114 | 31.43 | .Q | . | . | . | V | . |
| 20.933 | 122.8546 | 31.36 | .Q | . | . | . | V | . |
| 20.950 | 122.8977 | 31.29 | .Q | . | . | . | V | . |
| 20.967 | 122.9407 | 31.22 | .Q | . | . | . | V | . |
| 20.983 | 122.9837 | 31.15 | .Q | . | . | . | V | . |
| 21.000 | 123.0265 | 31.08 | .Q | . | . | . | V | . |
| 21.017 | 123.0692 | 31.01 | .Q | . | . | . | V | . |
| 21.033 | 123.1118 | 30.94 | .Q | . | . | . | V | . |
| 21.050 | 123.1543 | 30.88 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 21.067 | 123.1968 | 30.81 | .Q | . | . | . | V | . |
| 21.083 | 123.2391 | 30.75 | .Q | . | . | . | V | . |
| 21.100 | 123.2814 | 30.68 | .Q | . | . | . | V | . |
| 21.117 | 123.3235 | 30.61 | .Q | . | . | . | V | . |
| 21.133 | 123.3656 | 30.55 | .Q | . | . | . | V | . |
| 21.150 | 123.4076 | 30.48 | .Q | . | . | . | V | . |
| 21.167 | 123.4495 | 30.42 | .Q | . | . | . | V | . |
| 21.183 | 123.4913 | 30.35 | .Q | . | . | . | V | . |
| 21.200 | 123.5330 | 30.29 | .Q | . | . | . | V | . |
| 21.217 | 123.5746 | 30.22 | .Q | . | . | . | V | . |
| 21.233 | 123.6162 | 30.16 | .Q | . | . | . | V | . |
| 21.250 | 123.6576 | 30.09 | .Q | . | . | . | V | . |
| 21.267 | 123.6990 | 30.03 | .Q | . | . | . | V | . |
| 21.283 | 123.7403 | 29.97 | .Q | . | . | . | V | . |
| 21.300 | 123.7815 | 29.91 | .Q | . | . | . | V | . |
| 21.317 | 123.8226 | 29.85 | .Q | . | . | . | V | . |
| 21.333 | 123.8636 | 29.79 | .Q | . | . | . | V | . |
| 21.350 | 123.9046 | 29.73 | .Q | . | . | . | V | . |
| 21.367 | 123.9454 | 29.66 | Q | . | . | . | V | . |
| 21.383 | 123.9862 | 29.60 | Q | . | . | . | V | . |
| 21.400 | 124.0269 | 29.54 | Q | . | . | . | V | . |
| 21.417 | 124.0675 | 29.48 | Q | . | . | . | V | . |
| 21.433 | 124.1080 | 29.42 | Q | . | . | . | V | . |
| 21.450 | 124.1485 | 29.36 | Q | . | . | . | V | . |
| 21.467 | 124.1889 | 29.30 | Q | . | . | . | V | . |
| 21.483 | 124.2291 | 29.24 | Q | . | . | . | V | . |
| 21.500 | 124.2693 | 29.18 | Q | . | . | . | V | . |
| 21.517 | 124.3094 | 29.13 | Q | . | . | . | V | . |
| 21.533 | 124.3495 | 29.07 | Q | . | . | . | V | . |
| 21.550 | 124.3894 | 29.01 | Q | . | . | . | V | . |
| 21.567 | 124.4293 | 28.96 | Q | . | . | . | V | . |
| 21.583 | 124.4691 | 28.90 | Q | . | . | . | V | . |
| 21.600 | 124.5089 | 28.84 | Q | . | . | . | V | . |
| 21.617 | 124.5485 | 28.79 | Q | . | . | . | V | . |
| 21.633 | 124.5881 | 28.73 | Q | . | . | . | V | . |
| 21.650 | 124.6276 | 28.67 | Q | . | . | . | V | . |
| 21.667 | 124.6670 | 28.61 | Q | . | . | . | V | . |
| 21.683 | 124.7063 | 28.56 | Q | . | . | . | V | . |
| 21.700 | 124.7456 | 28.50 | Q | . | . | . | V | . |
| 21.717 | 124.7848 | 28.45 | Q | . | . | . | V | . |
| 21.733 | 124.8239 | 28.39 | Q | . | . | . | V | . |
| 21.750 | 124.8629 | 28.34 | Q | . | . | . | V | . |
| 21.767 | 124.9019 | 28.29 | Q | . | . | . | V | . |
| 21.783 | 124.9408 | 28.24 | Q | . | . | . | V | . |
| 21.800 | 124.9796 | 28.18 | Q | . | . | . | V | . |
| 21.817 | 125.0183 | 28.13 | Q | . | . | . | V | . |
| 21.833 | 125.0570 | 28.08 | Q | . | . | . | V | . |
| 21.850 | 125.0956 | 28.02 | Q | . | . | . | V | . |
| 21.867 | 125.1341 | 27.97 | Q | . | . | . | V | . |
| 21.883 | 125.1726 | 27.92 | Q | . | . | . | V | . |
| 21.900 | 125.2110 | 27.86 | Q | . | . | . | V | . |
| 21.917 | 125.2493 | 27.81 | Q | . | . | . | V | . |
| 21.933 | 125.2875 | 27.76 | Q | . | . | . | V | . |
| 21.950 | 125.3257 | 27.71 | Q | . | . | . | V | . |
| 21.967 | 125.3638 | 27.66 | Q | . | . | . | V | . |
| 21.983 | 125.4018 | 27.61 | Q | . | . | . | V | . |
| 22.000 | 125.4398 | 27.56 | Q | . | . | . | V | . |
| 22.017 | 125.4777 | 27.51 | Q | . | . | . | V | . |

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|--------|----------|-------|---|---|---|---|---|---|
| 22.033 | 125.5155 | 27.46 | Q | . | . | . | V | . |
| 22.050 | 125.5533 | 27.41 | Q | . | . | . | V | . |
| 22.067 | 125.5910 | 27.36 | Q | . | . | . | V | . |
| 22.083 | 125.6286 | 27.31 | Q | . | . | . | V | . |
| 22.100 | 125.6661 | 27.26 | Q | . | . | . | V | . |
| 22.117 | 125.7036 | 27.21 | Q | . | . | . | V | . |
| 22.133 | 125.7410 | 27.16 | Q | . | . | . | V | . |
| 22.150 | 125.7784 | 27.11 | Q | . | . | . | V | . |
| 22.167 | 125.8156 | 27.06 | Q | . | . | . | V | . |
| 22.183 | 125.8529 | 27.02 | Q | . | . | . | V | . |
| 22.200 | 125.8900 | 26.97 | Q | . | . | . | V | . |
| 22.217 | 125.9271 | 26.92 | Q | . | . | . | V | . |
| 22.233 | 125.9641 | 26.88 | Q | . | . | . | V | . |
| 22.250 | 126.0011 | 26.83 | Q | . | . | . | V | . |
| 22.267 | 126.0380 | 26.78 | Q | . | . | . | V | . |
| 22.283 | 126.0748 | 26.74 | Q | . | . | . | V | . |
| 22.300 | 126.1116 | 26.69 | Q | . | . | . | V | . |
| 22.317 | 126.1483 | 26.64 | Q | . | . | . | V | . |
| 22.333 | 126.1849 | 26.60 | Q | . | . | . | V | . |
| 22.350 | 126.2215 | 26.55 | Q | . | . | . | V | . |
| 22.367 | 126.2580 | 26.50 | Q | . | . | . | V | . |
| 22.383 | 126.2944 | 26.46 | Q | . | . | . | V | . |
| 22.400 | 126.3308 | 26.41 | Q | . | . | . | V | . |
| 22.417 | 126.3671 | 26.37 | Q | . | . | . | V | . |
| 22.433 | 126.4034 | 26.33 | Q | . | . | . | V | . |
| 22.450 | 126.4396 | 26.28 | Q | . | . | . | V | . |
| 22.467 | 126.4757 | 26.24 | Q | . | . | . | V | . |
| 22.483 | 126.5118 | 26.19 | Q | . | . | . | V | . |
| 22.500 | 126.5478 | 26.15 | Q | . | . | . | V | . |
| 22.517 | 126.5838 | 26.11 | Q | . | . | . | V | . |
| 22.533 | 126.6197 | 26.06 | Q | . | . | . | V | . |
| 22.550 | 126.6555 | 26.02 | Q | . | . | . | V | . |
| 22.567 | 126.6913 | 25.97 | Q | . | . | . | V | . |
| 22.583 | 126.7270 | 25.93 | Q | . | . | . | V | . |
| 22.600 | 126.7627 | 25.88 | Q | . | . | . | V | . |
| 22.617 | 126.7983 | 25.84 | Q | . | . | . | V | . |
| 22.633 | 126.8338 | 25.80 | Q | . | . | . | V | . |
| 22.650 | 126.8693 | 25.76 | Q | . | . | . | V | . |
| 22.667 | 126.9047 | 25.72 | Q | . | . | . | V | . |
| 22.683 | 126.9401 | 25.68 | Q | . | . | . | V | . |
| 22.700 | 126.9754 | 25.63 | Q | . | . | . | V | . |
| 22.717 | 127.0106 | 25.59 | Q | . | . | . | V | . |
| 22.733 | 127.0458 | 25.55 | Q | . | . | . | V | . |
| 22.750 | 127.0809 | 25.51 | Q | . | . | . | V | . |
| 22.767 | 127.1160 | 25.47 | Q | . | . | . | V | . |
| 22.783 | 127.1510 | 25.43 | Q | . | . | . | V | . |
| 22.800 | 127.1860 | 25.38 | Q | . | . | . | V | . |
| 22.817 | 127.2209 | 25.34 | Q | . | . | . | V | . |
| 22.833 | 127.2558 | 25.30 | Q | . | . | . | V | . |
| 22.850 | 127.2906 | 25.26 | Q | . | . | . | V | . |
| 22.867 | 127.3253 | 25.22 | Q | . | . | . | V | . |
| 22.883 | 127.3600 | 25.18 | Q | . | . | . | V | . |
| 22.900 | 127.3946 | 25.14 | Q | . | . | . | V | . |
| 22.917 | 127.4292 | 25.10 | Q | . | . | . | V | . |
| 22.933 | 127.4637 | 25.07 | Q | . | . | . | V | . |
| 22.950 | 127.4982 | 25.03 | Q | . | . | . | V | . |
| 22.967 | 127.5326 | 24.99 | Q | . | . | . | V | . |
| 22.983 | 127.5670 | 24.95 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|----------|-------|---|---|---|---|----|
| 23.000 | 127.6013 | 24.91 | Q | . | . | . | V. |
| 23.017 | 127.6355 | 24.87 | Q | . | . | . | V. |
| 23.033 | 127.6697 | 24.83 | Q | . | . | . | V. |
| 23.050 | 127.7039 | 24.79 | Q | . | . | . | V. |
| 23.067 | 127.7380 | 24.75 | Q | . | . | . | V. |
| 23.083 | 127.7720 | 24.71 | Q | . | . | . | V. |
| 23.100 | 127.8060 | 24.68 | Q | . | . | . | V. |
| 23.117 | 127.8400 | 24.64 | Q | . | . | . | V. |
| 23.133 | 127.8738 | 24.60 | Q | . | . | . | V. |
| 23.150 | 127.9077 | 24.57 | Q | . | . | . | V. |
| 23.167 | 127.9415 | 24.53 | Q | . | . | . | V. |
| 23.183 | 127.9752 | 24.49 | Q | . | . | . | V. |
| 23.200 | 128.0089 | 24.45 | Q | . | . | . | V. |
| 23.217 | 128.0425 | 24.42 | Q | . | . | . | V. |
| 23.233 | 128.0761 | 24.38 | Q | . | . | . | V. |
| 23.250 | 128.1096 | 24.34 | Q | . | . | . | V. |
| 23.267 | 128.1431 | 24.31 | Q | . | . | . | V. |
| 23.283 | 128.1765 | 24.27 | Q | . | . | . | V. |
| 23.300 | 128.2099 | 24.23 | Q | . | . | . | V. |
| 23.317 | 128.2432 | 24.20 | Q | . | . | . | V. |
| 23.333 | 128.2765 | 24.16 | Q | . | . | . | V. |
| 23.350 | 128.3097 | 24.13 | Q | . | . | . | V. |
| 23.367 | 128.3429 | 24.09 | Q | . | . | . | V. |
| 23.383 | 128.3761 | 24.05 | Q | . | . | . | V. |
| 23.400 | 128.4091 | 24.02 | Q | . | . | . | V. |
| 23.417 | 128.4422 | 23.98 | Q | . | . | . | V. |
| 23.433 | 128.4752 | 23.95 | Q | . | . | . | V. |
| 23.450 | 128.5081 | 23.91 | Q | . | . | . | V. |
| 23.467 | 128.5410 | 23.88 | Q | . | . | . | V. |
| 23.483 | 128.5738 | 23.84 | Q | . | . | . | V. |
| 23.500 | 128.6066 | 23.81 | Q | . | . | . | V. |
| 23.517 | 128.6394 | 23.77 | Q | . | . | . | V. |
| 23.533 | 128.6721 | 23.74 | Q | . | . | . | V. |
| 23.550 | 128.7047 | 23.70 | Q | . | . | . | V. |
| 23.567 | 128.7373 | 23.67 | Q | . | . | . | V. |
| 23.583 | 128.7699 | 23.64 | Q | . | . | . | V. |
| 23.600 | 128.8024 | 23.60 | Q | . | . | . | V. |
| 23.617 | 128.8349 | 23.57 | Q | . | . | . | V. |
| 23.633 | 128.8673 | 23.54 | Q | . | . | . | V. |
| 23.650 | 128.8997 | 23.50 | Q | . | . | . | V. |
| 23.667 | 128.9320 | 23.47 | Q | . | . | . | V. |
| 23.683 | 128.9643 | 23.44 | Q | . | . | . | V. |
| 23.700 | 128.9965 | 23.40 | Q | . | . | . | V. |
| 23.717 | 129.0287 | 23.37 | Q | . | . | . | V. |
| 23.733 | 129.0609 | 23.34 | Q | . | . | . | V. |
| 23.750 | 129.0930 | 23.30 | Q | . | . | . | V. |
| 23.767 | 129.1250 | 23.27 | Q | . | . | . | V. |
| 23.783 | 129.1571 | 23.24 | Q | . | . | . | V. |
| 23.800 | 129.1890 | 23.21 | Q | . | . | . | V. |
| 23.817 | 129.2209 | 23.18 | Q | . | . | . | V. |
| 23.833 | 129.2528 | 23.14 | Q | . | . | . | V. |
| 23.850 | 129.2847 | 23.11 | Q | . | . | . | V. |
| 23.867 | 129.3164 | 23.08 | Q | . | . | . | V. |
| 23.883 | 129.3482 | 23.05 | Q | . | . | . | V. |
| 23.900 | 129.3799 | 23.02 | Q | . | . | . | V. |
| 23.917 | 129.4116 | 22.98 | Q | . | . | . | V. |
| 23.933 | 129.4432 | 22.95 | Q | . | . | . | V. |
| 23.950 | 129.4747 | 22.92 | Q | . | . | . | V. |

| | | | | | | | |
|--------|----------|-------|---|---|---|---|----|
| 23.967 | 129.5063 | 22.89 | Q | . | . | . | V. |
| 23.983 | 129.5378 | 22.86 | Q | . | . | . | V. |
| 24.000 | 129.5692 | 22.83 | 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% | 665.0 |
| 20% | 210.0 |
| 30% | 135.0 |
| 40% | 105.0 |
| 50% | 90.0 |
| 60% | 70.0 |
| 70% | 55.0 |
| 80% | 35.0 |
| 90% | 15.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-3 SUBAREA A *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 2-YR EV MARCH 2019 CCHI *

FILE NAME: 3A02EVS.DAT
TIME/DATE OF STUDY: 15:01 03/13/2019

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 100.00 TO NODE 130.00 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) = 510.20
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.260
LOW LOSS FRACTION = 0.480
TIME OF CONCENTRATION (MIN.) = 16.41
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 2
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.13
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.28
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.37
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.62
6-HOUR POINT RAINFALL VALUE (INCHES) = 0.85
24-HOUR POINT RAINFALL VALUE (INCHES) = 1.44

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 29.69

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 31.53

=====
 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. | 60.9 | 121.8 | 182.8 | 243.7 |
|------------|-------------|---------|----|------|-------|-------|-------|
| 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 | 0.0001 | 0.10 | Q | . | . | . | . |
| 0.167 | 0.0007 | 0.43 | Q | . | . | . | . |
| 0.183 | 0.0018 | 0.76 | Q | . | . | . | . |
| 0.200 | 0.0033 | 1.10 | Q | . | . | . | . |
| 0.217 | 0.0053 | 1.43 | Q | . | . | . | . |
| 0.233 | 0.0077 | 1.77 | Q | . | . | . | . |
| 0.250 | 0.0106 | 2.10 | Q | . | . | . | . |
| 0.267 | 0.0140 | 2.44 | Q | . | . | . | . |
| 0.283 | 0.0178 | 2.77 | Q | . | . | . | . |
| 0.300 | 0.0221 | 3.11 | Q | . | . | . | . |
| 0.317 | 0.0268 | 3.44 | Q | . | . | . | . |
| 0.333 | 0.0320 | 3.78 | Q | . | . | . | . |
| 0.350 | 0.0377 | 4.11 | Q | . | . | . | . |
| 0.367 | 0.0438 | 4.45 | Q | . | . | . | . |
| 0.383 | 0.0504 | 4.78 | Q | . | . | . | . |
| 0.400 | 0.0574 | 5.12 | Q | . | . | . | . |
| 0.417 | 0.0649 | 5.43 | Q | . | . | . | . |
| 0.433 | 0.0725 | 5.50 | Q | . | . | . | . |
| 0.450 | 0.0801 | 5.50 | Q | . | . | . | . |
| 0.467 | 0.0877 | 5.50 | Q | . | . | . | . |
| 0.483 | 0.0952 | 5.51 | Q | . | . | . | . |
| 0.500 | 0.1028 | 5.51 | Q | . | . | . | . |
| 0.517 | 0.1104 | 5.51 | Q | . | . | . | . |
| 0.533 | 0.1180 | 5.51 | Q | . | . | . | . |
| 0.550 | 0.1256 | 5.52 | Q | . | . | . | . |
| 0.567 | 0.1332 | 5.52 | Q | . | . | . | . |
| 0.583 | 0.1408 | 5.52 | Q | . | . | . | . |
| 0.600 | 0.1484 | 5.52 | Q | . | . | . | . |
| 0.617 | 0.1560 | 5.53 | Q | . | . | . | . |
| 0.633 | 0.1636 | 5.53 | Q | . | . | . | . |
| 0.650 | 0.1713 | 5.53 | Q | . | . | . | . |
| 0.667 | 0.1789 | 5.53 | Q | . | . | . | . |
| 0.683 | 0.1865 | 5.54 | Q | . | . | . | . |
| 0.700 | 0.1941 | 5.54 | Q | . | . | . | . |
| 0.717 | 0.2018 | 5.54 | Q | . | . | . | . |
| 0.733 | 0.2094 | 5.55 | Q | . | . | . | . |
| 0.750 | 0.2171 | 5.55 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|---|---|---|---|---|
| 0.767 | 0.2247 | 5.56 | Q | . | . | . | . |
| 0.783 | 0.2324 | 5.56 | Q | . | . | . | . |
| 0.800 | 0.2401 | 5.57 | Q | . | . | . | . |
| 0.817 | 0.2477 | 5.57 | Q | . | . | . | . |
| 0.833 | 0.2554 | 5.58 | Q | . | . | . | . |
| 0.850 | 0.2631 | 5.58 | Q | . | . | . | . |
| 0.867 | 0.2708 | 5.59 | Q | . | . | . | . |
| 0.883 | 0.2785 | 5.59 | Q | . | . | . | . |
| 0.900 | 0.2862 | 5.60 | Q | . | . | . | . |
| 0.917 | 0.2939 | 5.60 | Q | . | . | . | . |
| 0.933 | 0.3017 | 5.61 | Q | . | . | . | . |
| 0.950 | 0.3094 | 5.61 | Q | . | . | . | . |
| 0.967 | 0.3171 | 5.62 | Q | . | . | . | . |
| 0.983 | 0.3249 | 5.62 | Q | . | . | . | . |
| 1.000 | 0.3326 | 5.62 | Q | . | . | . | . |
| 1.017 | 0.3404 | 5.63 | Q | . | . | . | . |
| 1.033 | 0.3481 | 5.63 | Q | . | . | . | . |
| 1.050 | 0.3559 | 5.63 | Q | . | . | . | . |
| 1.067 | 0.3636 | 5.63 | Q | . | . | . | . |
| 1.083 | 0.3714 | 5.64 | Q | . | . | . | . |
| 1.100 | 0.3792 | 5.64 | Q | . | . | . | . |
| 1.117 | 0.3869 | 5.64 | Q | . | . | . | . |
| 1.133 | 0.3947 | 5.64 | Q | . | . | . | . |
| 1.150 | 0.4025 | 5.65 | Q | . | . | . | . |
| 1.167 | 0.4103 | 5.65 | Q | . | . | . | . |
| 1.183 | 0.4181 | 5.65 | Q | . | . | . | . |
| 1.200 | 0.4259 | 5.65 | Q | . | . | . | . |
| 1.217 | 0.4336 | 5.66 | Q | . | . | . | . |
| 1.233 | 0.4414 | 5.66 | Q | . | . | . | . |
| 1.250 | 0.4492 | 5.66 | Q | . | . | . | . |
| 1.267 | 0.4570 | 5.67 | Q | . | . | . | . |
| 1.283 | 0.4649 | 5.67 | Q | . | . | . | . |
| 1.300 | 0.4727 | 5.68 | Q | . | . | . | . |
| 1.317 | 0.4805 | 5.68 | Q | . | . | . | . |
| 1.333 | 0.4884 | 5.69 | Q | . | . | . | . |
| 1.350 | 0.4962 | 5.70 | Q | . | . | . | . |
| 1.367 | 0.5041 | 5.70 | Q | . | . | . | . |
| 1.383 | 0.5119 | 5.71 | Q | . | . | . | . |
| 1.400 | 0.5198 | 5.71 | Q | . | . | . | . |
| 1.417 | 0.5277 | 5.72 | Q | . | . | . | . |
| 1.433 | 0.5355 | 5.72 | Q | . | . | . | . |
| 1.450 | 0.5434 | 5.73 | Q | . | . | . | . |
| 1.467 | 0.5513 | 5.73 | Q | . | . | . | . |
| 1.483 | 0.5592 | 5.74 | Q | . | . | . | . |
| 1.500 | 0.5671 | 5.74 | Q | . | . | . | . |
| 1.517 | 0.5750 | 5.75 | Q | . | . | . | . |
| 1.533 | 0.5830 | 5.75 | Q | . | . | . | . |
| 1.550 | 0.5909 | 5.75 | Q | . | . | . | . |
| 1.567 | 0.5988 | 5.76 | Q | . | . | . | . |
| 1.583 | 0.6068 | 5.76 | Q | . | . | . | . |
| 1.600 | 0.6147 | 5.76 | Q | . | . | . | . |
| 1.617 | 0.6226 | 5.76 | Q | . | . | . | . |
| 1.633 | 0.6306 | 5.77 | Q | . | . | . | . |
| 1.650 | 0.6385 | 5.77 | Q | . | . | . | . |
| 1.667 | 0.6465 | 5.77 | Q | . | . | . | . |
| 1.683 | 0.6544 | 5.77 | Q | . | . | . | . |
| 1.700 | 0.6624 | 5.78 | Q | . | . | . | . |
| 1.717 | 0.6703 | 5.78 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 0.6783 | 5.78 | Q | . | . | . | . |
| 1.750 | 0.6863 | 5.79 | Q | . | . | . | . |
| 1.767 | 0.6943 | 5.79 | Q | . | . | . | . |
| 1.783 | 0.7022 | 5.79 | Q | . | . | . | . |
| 1.800 | 0.7102 | 5.80 | Q | . | . | . | . |
| 1.817 | 0.7182 | 5.80 | Q | . | . | . | . |
| 1.833 | 0.7262 | 5.81 | Q | . | . | . | . |
| 1.850 | 0.7342 | 5.81 | Q | . | . | . | . |
| 1.867 | 0.7422 | 5.82 | Q | . | . | . | . |
| 1.883 | 0.7503 | 5.82 | QV | . | . | . | . |
| 1.900 | 0.7583 | 5.83 | QV | . | . | . | . |
| 1.917 | 0.7663 | 5.84 | QV | . | . | . | . |
| 1.933 | 0.7744 | 5.84 | QV | . | . | . | . |
| 1.950 | 0.7824 | 5.85 | QV | . | . | . | . |
| 1.967 | 0.7905 | 5.85 | QV | . | . | . | . |
| 1.983 | 0.7986 | 5.86 | QV | . | . | . | . |
| 2.000 | 0.8066 | 5.86 | QV | . | . | . | . |
| 2.017 | 0.8147 | 5.87 | QV | . | . | . | . |
| 2.033 | 0.8228 | 5.88 | QV | . | . | . | . |
| 2.050 | 0.8309 | 5.88 | QV | . | . | . | . |
| 2.067 | 0.8390 | 5.89 | QV | . | . | . | . |
| 2.083 | 0.8471 | 5.89 | QV | . | . | . | . |
| 2.100 | 0.8552 | 5.89 | QV | . | . | . | . |
| 2.117 | 0.8634 | 5.89 | QV | . | . | . | . |
| 2.133 | 0.8715 | 5.90 | QV | . | . | . | . |
| 2.150 | 0.8796 | 5.90 | QV | . | . | . | . |
| 2.167 | 0.8877 | 5.90 | QV | . | . | . | . |
| 2.183 | 0.8959 | 5.91 | QV | . | . | . | . |
| 2.200 | 0.9040 | 5.91 | QV | . | . | . | . |
| 2.217 | 0.9121 | 5.91 | QV | . | . | . | . |
| 2.233 | 0.9203 | 5.91 | QV | . | . | . | . |
| 2.250 | 0.9284 | 5.92 | QV | . | . | . | . |
| 2.267 | 0.9366 | 5.92 | QV | . | . | . | . |
| 2.283 | 0.9448 | 5.92 | QV | . | . | . | . |
| 2.300 | 0.9529 | 5.93 | QV | . | . | . | . |
| 2.317 | 0.9611 | 5.93 | QV | . | . | . | . |
| 2.333 | 0.9693 | 5.93 | QV | . | . | . | . |
| 2.350 | 0.9774 | 5.94 | QV | . | . | . | . |
| 2.367 | 0.9856 | 5.94 | QV | . | . | . | . |
| 2.383 | 0.9938 | 5.95 | QV | . | . | . | . |
| 2.400 | 1.0020 | 5.96 | QV | . | . | . | . |
| 2.417 | 1.0102 | 5.96 | QV | . | . | . | . |
| 2.433 | 1.0184 | 5.97 | QV | . | . | . | . |
| 2.450 | 1.0267 | 5.97 | QV | . | . | . | . |
| 2.467 | 1.0349 | 5.98 | QV | . | . | . | . |
| 2.483 | 1.0432 | 5.99 | QV | . | . | . | . |
| 2.500 | 1.0514 | 5.99 | QV | . | . | . | . |
| 2.517 | 1.0597 | 6.00 | QV | . | . | . | . |
| 2.533 | 1.0679 | 6.00 | QV | . | . | . | . |
| 2.550 | 1.0762 | 6.01 | QV | . | . | . | . |
| 2.567 | 1.0845 | 6.02 | QV | . | . | . | . |
| 2.583 | 1.0928 | 6.02 | QV | . | . | . | . |
| 2.600 | 1.1011 | 6.03 | QV | . | . | . | . |
| 2.617 | 1.1094 | 6.03 | QV | . | . | . | . |
| 2.633 | 1.1177 | 6.03 | QV | . | . | . | . |
| 2.650 | 1.1260 | 6.04 | QV | . | . | . | . |
| 2.667 | 1.1344 | 6.04 | QV | . | . | . | . |
| 2.683 | 1.1427 | 6.04 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 2.700 | 1.1510 | 6.05 | QV | . | . | . | . |
| 2.717 | 1.1593 | 6.05 | QV | . | . | . | . |
| 2.733 | 1.1677 | 6.05 | QV | . | . | . | . |
| 2.750 | 1.1760 | 6.06 | QV | . | . | . | . |
| 2.767 | 1.1844 | 6.06 | QV | . | . | . | . |
| 2.783 | 1.1927 | 6.06 | QV | . | . | . | . |
| 2.800 | 1.2011 | 6.07 | QV | . | . | . | . |
| 2.817 | 1.2094 | 6.07 | QV | . | . | . | . |
| 2.833 | 1.2178 | 6.07 | QV | . | . | . | . |
| 2.850 | 1.2262 | 6.07 | QV | . | . | . | . |
| 2.867 | 1.2345 | 6.08 | QV | . | . | . | . |
| 2.883 | 1.2429 | 6.08 | QV | . | . | . | . |
| 2.900 | 1.2513 | 6.09 | QV | . | . | . | . |
| 2.917 | 1.2597 | 6.09 | .Q | . | . | . | . |
| 2.933 | 1.2681 | 6.10 | .Q | . | . | . | . |
| 2.950 | 1.2765 | 6.11 | .Q | . | . | . | . |
| 2.967 | 1.2849 | 6.11 | .Q | . | . | . | . |
| 2.983 | 1.2934 | 6.12 | .Q | . | . | . | . |
| 3.000 | 1.3018 | 6.13 | .Q | . | . | . | . |
| 3.017 | 1.3102 | 6.13 | .Q | . | . | . | . |
| 3.033 | 1.3187 | 6.14 | .Q | . | . | . | . |
| 3.050 | 1.3272 | 6.15 | .Q | . | . | . | . |
| 3.067 | 1.3356 | 6.15 | .Q | . | . | . | . |
| 3.083 | 1.3441 | 6.16 | .Q | . | . | . | . |
| 3.100 | 1.3526 | 6.16 | .Q | . | . | . | . |
| 3.117 | 1.3611 | 6.17 | .Q | . | . | . | . |
| 3.133 | 1.3696 | 6.18 | .Q | . | . | . | . |
| 3.150 | 1.3781 | 6.18 | .Q | . | . | . | . |
| 3.167 | 1.3867 | 6.19 | .Q | . | . | . | . |
| 3.183 | 1.3952 | 6.19 | .Q | . | . | . | . |
| 3.200 | 1.4037 | 6.19 | .Q | . | . | . | . |
| 3.217 | 1.4123 | 6.20 | .Q | . | . | . | . |
| 3.233 | 1.4208 | 6.20 | .Q | . | . | . | . |
| 3.250 | 1.4293 | 6.20 | .Q | . | . | . | . |
| 3.267 | 1.4379 | 6.21 | .Q | . | . | . | . |
| 3.283 | 1.4465 | 6.21 | .Q | . | . | . | . |
| 3.300 | 1.4550 | 6.21 | .Q | . | . | . | . |
| 3.317 | 1.4636 | 6.22 | .Q | . | . | . | . |
| 3.333 | 1.4721 | 6.22 | .Q | . | . | . | . |
| 3.350 | 1.4807 | 6.22 | .Q | . | . | . | . |
| 3.367 | 1.4893 | 6.23 | .QV | . | . | . | . |
| 3.383 | 1.4979 | 6.23 | .QV | . | . | . | . |
| 3.400 | 1.5065 | 6.23 | .QV | . | . | . | . |
| 3.417 | 1.5151 | 6.24 | .QV | . | . | . | . |
| 3.433 | 1.5237 | 6.24 | .QV | . | . | . | . |
| 3.450 | 1.5323 | 6.25 | .QV | . | . | . | . |
| 3.467 | 1.5409 | 6.26 | .QV | . | . | . | . |
| 3.483 | 1.5495 | 6.26 | .QV | . | . | . | . |
| 3.500 | 1.5581 | 6.27 | .QV | . | . | . | . |
| 3.517 | 1.5668 | 6.28 | .QV | . | . | . | . |
| 3.533 | 1.5754 | 6.28 | .QV | . | . | . | . |
| 3.550 | 1.5841 | 6.29 | .QV | . | . | . | . |
| 3.567 | 1.5928 | 6.30 | .QV | . | . | . | . |
| 3.583 | 1.6015 | 6.30 | .QV | . | . | . | . |
| 3.600 | 1.6101 | 6.31 | .QV | . | . | . | . |
| 3.617 | 1.6189 | 6.32 | .QV | . | . | . | . |
| 3.633 | 1.6276 | 6.32 | .QV | . | . | . | . |
| 3.650 | 1.6363 | 6.33 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 3.667 | 1.6450 | 6.34 | .QV | . | . | . | . |
| 3.683 | 1.6538 | 6.34 | .QV | . | . | . | . |
| 3.700 | 1.6625 | 6.35 | .QV | . | . | . | . |
| 3.717 | 1.6713 | 6.36 | .QV | . | . | . | . |
| 3.733 | 1.6800 | 6.36 | .QV | . | . | . | . |
| 3.750 | 1.6888 | 6.36 | .QV | . | . | . | . |
| 3.767 | 1.6975 | 6.37 | .QV | . | . | . | . |
| 3.783 | 1.7063 | 6.37 | .QV | . | . | . | . |
| 3.800 | 1.7151 | 6.37 | .QV | . | . | . | . |
| 3.817 | 1.7239 | 6.38 | .QV | . | . | . | . |
| 3.833 | 1.7327 | 6.38 | .QV | . | . | . | . |
| 3.850 | 1.7415 | 6.38 | .QV | . | . | . | . |
| 3.867 | 1.7503 | 6.39 | .QV | . | . | . | . |
| 3.883 | 1.7591 | 6.39 | .QV | . | . | . | . |
| 3.900 | 1.7679 | 6.39 | .QV | . | . | . | . |
| 3.917 | 1.7767 | 6.40 | .QV | . | . | . | . |
| 3.933 | 1.7855 | 6.40 | .QV | . | . | . | . |
| 3.950 | 1.7943 | 6.40 | .QV | . | . | . | . |
| 3.967 | 1.8031 | 6.41 | .QV | . | . | . | . |
| 3.983 | 1.8120 | 6.41 | .QV | . | . | . | . |
| 4.000 | 1.8208 | 6.42 | .QV | . | . | . | . |
| 4.017 | 1.8297 | 6.43 | .QV | . | . | . | . |
| 4.033 | 1.8385 | 6.44 | .QV | . | . | . | . |
| 4.050 | 1.8474 | 6.44 | .QV | . | . | . | . |
| 4.067 | 1.8563 | 6.45 | .QV | . | . | . | . |
| 4.083 | 1.8652 | 6.46 | .QV | . | . | . | . |
| 4.100 | 1.8741 | 6.47 | .QV | . | . | . | . |
| 4.117 | 1.8830 | 6.47 | .QV | . | . | . | . |
| 4.133 | 1.8919 | 6.48 | .QV | . | . | . | . |
| 4.150 | 1.9009 | 6.49 | .QV | . | . | . | . |
| 4.167 | 1.9098 | 6.49 | .QV | . | . | . | . |
| 4.183 | 1.9188 | 6.50 | .QV | . | . | . | . |
| 4.200 | 1.9277 | 6.51 | .QV | . | . | . | . |
| 4.217 | 1.9367 | 6.52 | .QV | . | . | . | . |
| 4.233 | 1.9457 | 6.52 | .QV | . | . | . | . |
| 4.250 | 1.9547 | 6.53 | .QV | . | . | . | . |
| 4.267 | 1.9637 | 6.53 | .QV | . | . | . | . |
| 4.283 | 1.9727 | 6.54 | .QV | . | . | . | . |
| 4.300 | 1.9817 | 6.54 | .QV | . | . | . | . |
| 4.317 | 1.9907 | 6.55 | .QV | . | . | . | . |
| 4.333 | 1.9998 | 6.55 | .QV | . | . | . | . |
| 4.350 | 2.0088 | 6.55 | .QV | . | . | . | . |
| 4.367 | 2.0178 | 6.56 | .QV | . | . | . | . |
| 4.383 | 2.0269 | 6.56 | .QV | . | . | . | . |
| 4.400 | 2.0359 | 6.57 | .QV | . | . | . | . |
| 4.417 | 2.0449 | 6.57 | .QV | . | . | . | . |
| 4.433 | 2.0540 | 6.57 | .QV | . | . | . | . |
| 4.450 | 2.0631 | 6.58 | .QV | . | . | . | . |
| 4.467 | 2.0721 | 6.58 | .QV | . | . | . | . |
| 4.483 | 2.0812 | 6.58 | .QV | . | . | . | . |
| 4.500 | 2.0903 | 6.59 | .QV | . | . | . | . |
| 4.517 | 2.0993 | 6.59 | .QV | . | . | . | . |
| 4.533 | 2.1084 | 6.60 | .QV | . | . | . | . |
| 4.550 | 2.1175 | 6.61 | .QV | . | . | . | . |
| 4.567 | 2.1267 | 6.61 | .QV | . | . | . | . |
| 4.583 | 2.1358 | 6.62 | .QV | . | . | . | . |
| 4.600 | 2.1449 | 6.63 | .QV | . | . | . | . |
| 4.617 | 2.1540 | 6.64 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|------|---|---|---|---|
| 4.633 | 2.1632 | 6.65 | .QV | . | . | . | . |
| 4.650 | 2.1724 | 6.65 | .QV | . | . | . | . |
| 4.667 | 2.1815 | 6.66 | .QV | . | . | . | . |
| 4.683 | 2.1907 | 6.67 | .QV | . | . | . | . |
| 4.700 | 2.1999 | 6.68 | .QV | . | . | . | . |
| 4.717 | 2.2091 | 6.69 | .QV | . | . | . | . |
| 4.733 | 2.2184 | 6.69 | .QV | . | . | . | . |
| 4.750 | 2.2276 | 6.70 | .Q V | . | . | . | . |
| 4.767 | 2.2368 | 6.71 | .Q V | . | . | . | . |
| 4.783 | 2.2461 | 6.72 | .Q V | . | . | . | . |
| 4.800 | 2.2553 | 6.72 | .Q V | . | . | . | . |
| 4.817 | 2.2646 | 6.73 | .Q V | . | . | . | . |
| 4.833 | 2.2739 | 6.73 | .Q V | . | . | . | . |
| 4.850 | 2.2832 | 6.74 | .Q V | . | . | . | . |
| 4.867 | 2.2925 | 6.74 | .Q V | . | . | . | . |
| 4.883 | 2.3017 | 6.74 | .Q V | . | . | . | . |
| 4.900 | 2.3110 | 6.75 | .Q V | . | . | . | . |
| 4.917 | 2.3203 | 6.75 | .Q V | . | . | . | . |
| 4.933 | 2.3296 | 6.76 | .Q V | . | . | . | . |
| 4.950 | 2.3390 | 6.76 | .Q V | . | . | . | . |
| 4.967 | 2.3483 | 6.77 | .Q V | . | . | . | . |
| 4.983 | 2.3576 | 6.77 | .Q V | . | . | . | . |
| 5.000 | 2.3669 | 6.77 | .Q V | . | . | . | . |
| 5.017 | 2.3763 | 6.78 | .Q V | . | . | . | . |
| 5.033 | 2.3856 | 6.78 | .Q V | . | . | . | . |
| 5.050 | 2.3950 | 6.79 | .Q V | . | . | . | . |
| 5.067 | 2.4043 | 6.79 | .Q V | . | . | . | . |
| 5.083 | 2.4137 | 6.80 | .Q V | . | . | . | . |
| 5.100 | 2.4231 | 6.81 | .Q V | . | . | . | . |
| 5.117 | 2.4324 | 6.82 | .Q V | . | . | . | . |
| 5.133 | 2.4418 | 6.82 | .Q V | . | . | . | . |
| 5.150 | 2.4513 | 6.83 | .Q V | . | . | . | . |
| 5.167 | 2.4607 | 6.84 | .Q V | . | . | . | . |
| 5.183 | 2.4701 | 6.85 | .Q V | . | . | . | . |
| 5.200 | 2.4796 | 6.86 | .Q V | . | . | . | . |
| 5.217 | 2.4890 | 6.87 | .Q V | . | . | . | . |
| 5.233 | 2.4985 | 6.88 | .Q V | . | . | . | . |
| 5.250 | 2.5080 | 6.88 | .Q V | . | . | . | . |
| 5.267 | 2.5175 | 6.89 | .Q V | . | . | . | . |
| 5.283 | 2.5270 | 6.90 | .Q V | . | . | . | . |
| 5.300 | 2.5365 | 6.91 | .Q V | . | . | . | . |
| 5.317 | 2.5460 | 6.92 | .Q V | . | . | . | . |
| 5.333 | 2.5556 | 6.93 | .Q V | . | . | . | . |
| 5.350 | 2.5651 | 6.93 | .Q V | . | . | . | . |
| 5.367 | 2.5747 | 6.94 | .Q V | . | . | . | . |
| 5.383 | 2.5842 | 6.94 | .Q V | . | . | . | . |
| 5.400 | 2.5938 | 6.95 | .Q V | . | . | . | . |
| 5.417 | 2.6034 | 6.95 | .Q V | . | . | . | . |
| 5.433 | 2.6129 | 6.96 | .Q V | . | . | . | . |
| 5.450 | 2.6225 | 6.96 | .Q V | . | . | . | . |
| 5.467 | 2.6321 | 6.96 | .Q V | . | . | . | . |
| 5.483 | 2.6417 | 6.97 | .Q V | . | . | . | . |
| 5.500 | 2.6513 | 6.97 | .Q V | . | . | . | . |
| 5.517 | 2.6609 | 6.98 | .Q V | . | . | . | . |
| 5.533 | 2.6706 | 6.98 | .Q V | . | . | . | . |
| 5.550 | 2.6802 | 6.99 | .Q V | . | . | . | . |
| 5.567 | 2.6898 | 6.99 | .Q V | . | . | . | . |
| 5.583 | 2.6994 | 7.00 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 5.600 | 2.7091 | 7.00 | .Q | V | . | . | . | . |
| 5.617 | 2.7187 | 7.01 | .Q | V | . | . | . | . |
| 5.633 | 2.7284 | 7.01 | .Q | V | . | . | . | . |
| 5.650 | 2.7381 | 7.02 | .Q | V | . | . | . | . |
| 5.667 | 2.7478 | 7.03 | .Q | V | . | . | . | . |
| 5.683 | 2.7575 | 7.04 | .Q | V | . | . | . | . |
| 5.700 | 2.7672 | 7.05 | .Q | V | . | . | . | . |
| 5.717 | 2.7769 | 7.06 | .Q | V | . | . | . | . |
| 5.733 | 2.7866 | 7.07 | .Q | V | . | . | . | . |
| 5.750 | 2.7964 | 7.08 | .Q | V | . | . | . | . |
| 5.767 | 2.8062 | 7.09 | .Q | V | . | . | . | . |
| 5.783 | 2.8159 | 7.10 | .Q | V | . | . | . | . |
| 5.800 | 2.8257 | 7.11 | .Q | V | . | . | . | . |
| 5.817 | 2.8355 | 7.12 | .Q | V | . | . | . | . |
| 5.833 | 2.8453 | 7.13 | .Q | V | . | . | . | . |
| 5.850 | 2.8552 | 7.14 | .Q | V | . | . | . | . |
| 5.867 | 2.8650 | 7.14 | .Q | V | . | . | . | . |
| 5.883 | 2.8749 | 7.15 | .Q | V | . | . | . | . |
| 5.900 | 2.8847 | 7.16 | .Q | V | . | . | . | . |
| 5.917 | 2.8946 | 7.16 | .Q | V | . | . | . | . |
| 5.933 | 2.9045 | 7.17 | .Q | V | . | . | . | . |
| 5.950 | 2.9144 | 7.17 | .Q | V | . | . | . | . |
| 5.967 | 2.9242 | 7.18 | .Q | V | . | . | . | . |
| 5.983 | 2.9341 | 7.18 | .Q | V | . | . | . | . |
| 6.000 | 2.9440 | 7.19 | .Q | V | . | . | . | . |
| 6.017 | 2.9539 | 7.19 | .Q | V | . | . | . | . |
| 6.033 | 2.9639 | 7.20 | .Q | V | . | . | . | . |
| 6.050 | 2.9738 | 7.20 | .Q | V | . | . | . | . |
| 6.067 | 2.9837 | 7.21 | .Q | V | . | . | . | . |
| 6.083 | 2.9937 | 7.21 | .Q | V | . | . | . | . |
| 6.100 | 3.0036 | 7.22 | .Q | V | . | . | . | . |
| 6.117 | 3.0135 | 7.22 | .Q | V | . | . | . | . |
| 6.133 | 3.0235 | 7.23 | .Q | V | . | . | . | . |
| 6.150 | 3.0335 | 7.23 | .Q | V | . | . | . | . |
| 6.167 | 3.0434 | 7.24 | .Q | V | . | . | . | . |
| 6.183 | 3.0534 | 7.25 | .Q | V | . | . | . | . |
| 6.200 | 3.0634 | 7.26 | .Q | V | . | . | . | . |
| 6.217 | 3.0734 | 7.27 | .Q | V | . | . | . | . |
| 6.233 | 3.0835 | 7.28 | .Q | V | . | . | . | . |
| 6.250 | 3.0935 | 7.29 | .Q | V | . | . | . | . |
| 6.267 | 3.1036 | 7.30 | .Q | V | . | . | . | . |
| 6.283 | 3.1136 | 7.31 | .Q | V | . | . | . | . |
| 6.300 | 3.1237 | 7.32 | .Q | V | . | . | . | . |
| 6.317 | 3.1338 | 7.33 | .Q | V | . | . | . | . |
| 6.333 | 3.1439 | 7.34 | .Q | V | . | . | . | . |
| 6.350 | 3.1540 | 7.35 | .Q | V | . | . | . | . |
| 6.367 | 3.1642 | 7.36 | .Q | V | . | . | . | . |
| 6.383 | 3.1743 | 7.37 | .Q | V | . | . | . | . |
| 6.400 | 3.1845 | 7.38 | .Q | V | . | . | . | . |
| 6.417 | 3.1947 | 7.39 | .Q | V | . | . | . | . |
| 6.433 | 3.2049 | 7.40 | .Q | V | . | . | . | . |
| 6.450 | 3.2151 | 7.41 | .Q | V | . | . | . | . |
| 6.467 | 3.2253 | 7.41 | .Q | V | . | . | . | . |
| 6.483 | 3.2355 | 7.42 | .Q | V | . | . | . | . |
| 6.500 | 3.2457 | 7.42 | .Q | V | . | . | . | . |
| 6.517 | 3.2560 | 7.43 | .Q | V | . | . | . | . |
| 6.533 | 3.2662 | 7.43 | .Q | V | . | . | . | . |
| 6.550 | 3.2765 | 7.44 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 6.567 | 3.2867 | 7.44 | .Q | V | . | . | . | . |
| 6.583 | 3.2970 | 7.45 | .Q | V | . | . | . | . |
| 6.600 | 3.3072 | 7.46 | .Q | V | . | . | . | . |
| 6.617 | 3.3175 | 7.46 | .Q | V | . | . | . | . |
| 6.633 | 3.3278 | 7.47 | .Q | V | . | . | . | . |
| 6.650 | 3.3381 | 7.47 | .Q | V | . | . | . | . |
| 6.667 | 3.3484 | 7.48 | .Q | V | . | . | . | . |
| 6.683 | 3.3587 | 7.48 | .Q | V | . | . | . | . |
| 6.700 | 3.3690 | 7.49 | .Q | V | . | . | . | . |
| 6.717 | 3.3793 | 7.50 | .Q | V | . | . | . | . |
| 6.733 | 3.3897 | 7.51 | .Q | V | . | . | . | . |
| 6.750 | 3.4000 | 7.52 | .Q | V | . | . | . | . |
| 6.767 | 3.4104 | 7.53 | .Q | V | . | . | . | . |
| 6.783 | 3.4208 | 7.54 | .Q | V | . | . | . | . |
| 6.800 | 3.4312 | 7.55 | .Q | V | . | . | . | . |
| 6.817 | 3.4416 | 7.56 | .Q | V | . | . | . | . |
| 6.833 | 3.4520 | 7.57 | .Q | V | . | . | . | . |
| 6.850 | 3.4625 | 7.58 | .Q | V | . | . | . | . |
| 6.867 | 3.4729 | 7.60 | .Q | V | . | . | . | . |
| 6.883 | 3.4834 | 7.61 | .Q | V | . | . | . | . |
| 6.900 | 3.4939 | 7.62 | .Q | V | . | . | . | . |
| 6.917 | 3.5044 | 7.63 | .Q | V | . | . | . | . |
| 6.933 | 3.5149 | 7.64 | .Q | V | . | . | . | . |
| 6.950 | 3.5255 | 7.65 | .Q | V | . | . | . | . |
| 6.967 | 3.5360 | 7.66 | .Q | V | . | . | . | . |
| 6.983 | 3.5466 | 7.67 | .Q | V | . | . | . | . |
| 7.000 | 3.5572 | 7.68 | .Q | V | . | . | . | . |
| 7.017 | 3.5678 | 7.68 | .Q | V | . | . | . | . |
| 7.033 | 3.5783 | 7.69 | .Q | V | . | . | . | . |
| 7.050 | 3.5890 | 7.70 | .Q | V | . | . | . | . |
| 7.067 | 3.5996 | 7.70 | .Q | V | . | . | . | . |
| 7.083 | 3.6102 | 7.71 | .Q | V | . | . | . | . |
| 7.100 | 3.6208 | 7.71 | .Q | V | . | . | . | . |
| 7.117 | 3.6314 | 7.72 | .Q | V | . | . | . | . |
| 7.133 | 3.6421 | 7.73 | .Q | V | . | . | . | . |
| 7.150 | 3.6527 | 7.73 | .Q | V | . | . | . | . |
| 7.167 | 3.6634 | 7.74 | .Q | V | . | . | . | . |
| 7.183 | 3.6740 | 7.74 | .Q | V | . | . | . | . |
| 7.200 | 3.6847 | 7.75 | .Q | V | . | . | . | . |
| 7.217 | 3.6954 | 7.75 | .Q | V | . | . | . | . |
| 7.233 | 3.7061 | 7.76 | .Q | V | . | . | . | . |
| 7.250 | 3.7168 | 7.77 | .Q | V | . | . | . | . |
| 7.267 | 3.7275 | 7.78 | .Q | V | . | . | . | . |
| 7.283 | 3.7382 | 7.79 | .Q | V | . | . | . | . |
| 7.300 | 3.7490 | 7.80 | .Q | V | . | . | . | . |
| 7.317 | 3.7597 | 7.81 | .Q | V | . | . | . | . |
| 7.333 | 3.7705 | 7.82 | .Q | V | . | . | . | . |
| 7.350 | 3.7813 | 7.84 | .Q | V | . | . | . | . |
| 7.367 | 3.7921 | 7.85 | .Q | V | . | . | . | . |
| 7.383 | 3.8029 | 7.86 | .Q | V | . | . | . | . |
| 7.400 | 3.8138 | 7.87 | .Q | V | . | . | . | . |
| 7.417 | 3.8247 | 7.89 | .Q | V | . | . | . | . |
| 7.433 | 3.8355 | 7.90 | .Q | V | . | . | . | . |
| 7.450 | 3.8464 | 7.91 | .Q | V | . | . | . | . |
| 7.467 | 3.8573 | 7.92 | .Q | V | . | . | . | . |
| 7.483 | 3.8683 | 7.94 | .Q | V | . | . | . | . |
| 7.500 | 3.8792 | 7.95 | .Q | V | . | . | . | . |
| 7.517 | 3.8902 | 7.96 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 7.533 | 3.9012 | 7.97 | .Q | V | . | . | . | . |
| 7.550 | 3.9121 | 7.98 | .Q | V | . | . | . | . |
| 7.567 | 3.9231 | 7.98 | .Q | V | . | . | . | . |
| 7.583 | 3.9342 | 7.99 | .Q | V | . | . | . | . |
| 7.600 | 3.9452 | 8.00 | .Q | V | . | . | . | . |
| 7.617 | 3.9562 | 8.00 | .Q | V | . | . | . | . |
| 7.633 | 3.9672 | 8.01 | .Q | V | . | . | . | . |
| 7.650 | 3.9783 | 8.02 | .Q | V | . | . | . | . |
| 7.667 | 3.9893 | 8.02 | .Q | V | . | . | . | . |
| 7.683 | 4.0004 | 8.03 | .Q | V | . | . | . | . |
| 7.700 | 4.0114 | 8.04 | .Q | V | . | . | . | . |
| 7.717 | 4.0225 | 8.04 | .Q | V | . | . | . | . |
| 7.733 | 4.0336 | 8.05 | .Q | V | . | . | . | . |
| 7.750 | 4.0447 | 8.05 | .Q | V | . | . | . | . |
| 7.767 | 4.0558 | 8.06 | .Q | V | . | . | . | . |
| 7.783 | 4.0669 | 8.07 | .Q | V | . | . | . | . |
| 7.800 | 4.0780 | 8.07 | .Q | V | . | . | . | . |
| 7.817 | 4.0892 | 8.09 | .Q | V | . | . | . | . |
| 7.833 | 4.1003 | 8.10 | .Q | V | . | . | . | . |
| 7.850 | 4.1115 | 8.11 | .Q | V | . | . | . | . |
| 7.867 | 4.1227 | 8.13 | .Q | V | . | . | . | . |
| 7.883 | 4.1339 | 8.14 | .Q | V | . | . | . | . |
| 7.900 | 4.1451 | 8.15 | .Q | V | . | . | . | . |
| 7.917 | 4.1564 | 8.17 | .Q | V | . | . | . | . |
| 7.933 | 4.1677 | 8.18 | .Q | V | . | . | . | . |
| 7.950 | 4.1789 | 8.19 | .Q | V | . | . | . | . |
| 7.967 | 4.1903 | 8.21 | .Q | V | . | . | . | . |
| 7.983 | 4.2016 | 8.22 | .Q | V | . | . | . | . |
| 8.000 | 4.2129 | 8.24 | .Q | V | . | . | . | . |
| 8.017 | 4.2243 | 8.25 | .Q | V | . | . | . | . |
| 8.033 | 4.2357 | 8.26 | .Q | V | . | . | . | . |
| 8.050 | 4.2471 | 8.28 | .Q | V | . | . | . | . |
| 8.067 | 4.2585 | 8.29 | .Q | V | . | . | . | . |
| 8.083 | 4.2699 | 8.30 | .Q | V | . | . | . | . |
| 8.100 | 4.2814 | 8.31 | .Q | V | . | . | . | . |
| 8.117 | 4.2928 | 8.32 | .Q | V | . | . | . | . |
| 8.133 | 4.3043 | 8.32 | .Q | V | . | . | . | . |
| 8.150 | 4.3158 | 8.33 | .Q | V | . | . | . | . |
| 8.167 | 4.3272 | 8.34 | .Q | V | . | . | . | . |
| 8.183 | 4.3387 | 8.34 | .Q | V | . | . | . | . |
| 8.200 | 4.3502 | 8.35 | .Q | V | . | . | . | . |
| 8.217 | 4.3618 | 8.36 | .Q | V | . | . | . | . |
| 8.233 | 4.3733 | 8.37 | .Q | V | . | . | . | . |
| 8.250 | 4.3848 | 8.37 | .Q | V | . | . | . | . |
| 8.267 | 4.3963 | 8.38 | .Q | V | . | . | . | . |
| 8.283 | 4.4079 | 8.39 | .Q | V | . | . | . | . |
| 8.300 | 4.4195 | 8.39 | .Q | V | . | . | . | . |
| 8.317 | 4.4310 | 8.40 | .Q | V | . | . | . | . |
| 8.333 | 4.4426 | 8.41 | .Q | V | . | . | . | . |
| 8.350 | 4.4542 | 8.42 | .Q | V | . | . | . | . |
| 8.367 | 4.4658 | 8.43 | .Q | V | . | . | . | . |
| 8.383 | 4.4775 | 8.45 | .Q | V | . | . | . | . |
| 8.400 | 4.4891 | 8.46 | .Q | V | . | . | . | . |
| 8.417 | 4.5008 | 8.48 | .Q | V | . | . | . | . |
| 8.433 | 4.5125 | 8.49 | .Q | V | . | . | . | . |
| 8.450 | 4.5242 | 8.51 | .Q | V | . | . | . | . |
| 8.467 | 4.5359 | 8.52 | .Q | V | . | . | . | . |
| 8.483 | 4.5477 | 8.54 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 8.500 | 4.5595 | 8.55 | .Q | V | . | . | . | . |
| 8.517 | 4.5713 | 8.57 | .Q | V | . | . | . | . |
| 8.533 | 4.5831 | 8.58 | .Q | V | . | . | . | . |
| 8.550 | 4.5949 | 8.60 | .Q | V | . | . | . | . |
| 8.567 | 4.6068 | 8.61 | .Q | V | . | . | . | . |
| 8.583 | 4.6187 | 8.63 | .Q | V | . | . | . | . |
| 8.600 | 4.6306 | 8.64 | .Q | V | . | . | . | . |
| 8.617 | 4.6425 | 8.66 | .Q | V | . | . | . | . |
| 8.633 | 4.6545 | 8.67 | .Q | V | . | . | . | . |
| 8.650 | 4.6664 | 8.68 | .Q | V | . | . | . | . |
| 8.667 | 4.6784 | 8.69 | .Q | V | . | . | . | . |
| 8.683 | 4.6904 | 8.69 | .Q | V | . | . | . | . |
| 8.700 | 4.7023 | 8.70 | .Q | V | . | . | . | . |
| 8.717 | 4.7143 | 8.71 | .Q | V | . | . | . | . |
| 8.733 | 4.7264 | 8.72 | .Q | V | . | . | . | . |
| 8.750 | 4.7384 | 8.73 | .Q | V | . | . | . | . |
| 8.767 | 4.7504 | 8.73 | .Q | V | . | . | . | . |
| 8.783 | 4.7624 | 8.74 | .Q | V | . | . | . | . |
| 8.800 | 4.7745 | 8.75 | .Q | V | . | . | . | . |
| 8.817 | 4.7866 | 8.76 | .Q | V | . | . | . | . |
| 8.833 | 4.7986 | 8.77 | .Q | V | . | . | . | . |
| 8.850 | 4.8107 | 8.77 | .Q | V | . | . | . | . |
| 8.867 | 4.8228 | 8.78 | .Q | V | . | . | . | . |
| 8.883 | 4.8349 | 8.79 | .Q | V | . | . | . | . |
| 8.900 | 4.8470 | 8.80 | .Q | V | . | . | . | . |
| 8.917 | 4.8592 | 8.82 | .Q | V | . | . | . | . |
| 8.933 | 4.8714 | 8.83 | .Q | V | . | . | . | . |
| 8.950 | 4.8836 | 8.85 | .Q | V | . | . | . | . |
| 8.967 | 4.8958 | 8.87 | .Q | V | . | . | . | . |
| 8.983 | 4.9080 | 8.89 | .Q | V | . | . | . | . |
| 9.000 | 4.9203 | 8.90 | .Q | V | . | . | . | . |
| 9.017 | 4.9326 | 8.92 | .Q | V | . | . | . | . |
| 9.033 | 4.9449 | 8.94 | .Q | V | . | . | . | . |
| 9.050 | 4.9572 | 8.95 | .Q | V | . | . | . | . |
| 9.067 | 4.9696 | 8.97 | .Q | V | . | . | . | . |
| 9.083 | 4.9819 | 8.99 | .Q | V | . | . | . | . |
| 9.100 | 4.9943 | 9.01 | .Q | V | . | . | . | . |
| 9.117 | 5.0068 | 9.02 | .Q | V | . | . | . | . |
| 9.133 | 5.0192 | 9.04 | .Q | V | . | . | . | . |
| 9.150 | 5.0317 | 9.06 | .Q | V | . | . | . | . |
| 9.167 | 5.0442 | 9.07 | .Q | V | . | . | . | . |
| 9.183 | 5.0567 | 9.08 | .Q | V | . | . | . | . |
| 9.200 | 5.0692 | 9.09 | .Q | V | . | . | . | . |
| 9.217 | 5.0818 | 9.10 | .Q | V | . | . | . | . |
| 9.233 | 5.0943 | 9.11 | .Q | V | . | . | . | . |
| 9.250 | 5.1069 | 9.12 | .Q | V | . | . | . | . |
| 9.267 | 5.1195 | 9.13 | .Q | V | . | . | . | . |
| 9.283 | 5.1320 | 9.14 | .Q | V | . | . | . | . |
| 9.300 | 5.1446 | 9.15 | .Q | V | . | . | . | . |
| 9.317 | 5.1573 | 9.16 | .Q | V | . | . | . | . |
| 9.333 | 5.1699 | 9.17 | .Q | V | . | . | . | . |
| 9.350 | 5.1825 | 9.18 | .Q | V | . | . | . | . |
| 9.367 | 5.1952 | 9.18 | .Q | V | . | . | . | . |
| 9.383 | 5.2078 | 9.19 | .Q | V | . | . | . | . |
| 9.400 | 5.2205 | 9.20 | .Q | V | . | . | . | . |
| 9.417 | 5.2332 | 9.21 | .Q | V | . | . | . | . |
| 9.433 | 5.2459 | 9.22 | .Q | V | . | . | . | . |
| 9.450 | 5.2586 | 9.23 | .Q | V | . | . | . | . |

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|--------|--------|-------|----|---|---|---|---|
| 9.467 | 5.2714 | 9.25 | .Q | V | . | . | . |
| 9.483 | 5.2841 | 9.27 | .Q | V | . | . | . |
| 9.500 | 5.2969 | 9.29 | .Q | V | . | . | . |
| 9.517 | 5.3098 | 9.31 | .Q | V | . | . | . |
| 9.533 | 5.3226 | 9.33 | .Q | V | . | . | . |
| 9.550 | 5.3355 | 9.35 | .Q | V | . | . | . |
| 9.567 | 5.3484 | 9.37 | .Q | V | . | . | . |
| 9.583 | 5.3613 | 9.39 | .Q | V | . | . | . |
| 9.600 | 5.3743 | 9.41 | .Q | V | . | . | . |
| 9.617 | 5.3873 | 9.43 | .Q | V | . | . | . |
| 9.633 | 5.4003 | 9.45 | .Q | V | . | . | . |
| 9.650 | 5.4133 | 9.47 | .Q | V | . | . | . |
| 9.667 | 5.4264 | 9.49 | .Q | V | . | . | . |
| 9.683 | 5.4395 | 9.51 | .Q | V | . | . | . |
| 9.700 | 5.4526 | 9.52 | .Q | V | . | . | . |
| 9.717 | 5.4658 | 9.54 | .Q | V | . | . | . |
| 9.733 | 5.4789 | 9.56 | .Q | V | . | . | . |
| 9.750 | 5.4921 | 9.57 | .Q | V | . | . | . |
| 9.767 | 5.5053 | 9.58 | .Q | V | . | . | . |
| 9.783 | 5.5185 | 9.59 | .Q | V | . | . | . |
| 9.800 | 5.5317 | 9.60 | .Q | V | . | . | . |
| 9.817 | 5.5449 | 9.61 | .Q | V | . | . | . |
| 9.833 | 5.5582 | 9.62 | .Q | V | . | . | . |
| 9.850 | 5.5714 | 9.63 | .Q | V | . | . | . |
| 9.867 | 5.5847 | 9.64 | .Q | V | . | . | . |
| 9.883 | 5.5980 | 9.65 | .Q | V | . | . | . |
| 9.900 | 5.6113 | 9.66 | .Q | V | . | . | . |
| 9.917 | 5.6246 | 9.67 | .Q | V | . | . | . |
| 9.933 | 5.6380 | 9.68 | .Q | V | . | . | . |
| 9.950 | 5.6513 | 9.69 | .Q | V | . | . | . |
| 9.967 | 5.6647 | 9.70 | .Q | V | . | . | . |
| 9.983 | 5.6781 | 9.71 | .Q | V | . | . | . |
| 10.000 | 5.6915 | 9.73 | .Q | V | . | . | . |
| 10.017 | 5.7049 | 9.75 | .Q | V | . | . | . |
| 10.033 | 5.7183 | 9.77 | .Q | V | . | . | . |
| 10.050 | 5.7318 | 9.79 | .Q | V | . | . | . |
| 10.067 | 5.7454 | 9.82 | .Q | V | . | . | . |
| 10.083 | 5.7589 | 9.84 | .Q | V | . | . | . |
| 10.100 | 5.7725 | 9.86 | .Q | V | . | . | . |
| 10.117 | 5.7861 | 9.88 | .Q | V | . | . | . |
| 10.133 | 5.7998 | 9.91 | .Q | V | . | . | . |
| 10.150 | 5.8134 | 9.93 | .Q | V | . | . | . |
| 10.167 | 5.8271 | 9.95 | .Q | V | . | . | . |
| 10.183 | 5.8409 | 9.97 | .Q | V | . | . | . |
| 10.200 | 5.8546 | 10.00 | .Q | V | . | . | . |
| 10.217 | 5.8684 | 10.02 | .Q | V | . | . | . |
| 10.233 | 5.8823 | 10.04 | .Q | V | . | . | . |
| 10.250 | 5.8961 | 10.06 | .Q | V | . | . | . |
| 10.267 | 5.9100 | 10.08 | .Q | V | . | . | . |
| 10.283 | 5.9239 | 10.10 | .Q | V | . | . | . |
| 10.300 | 5.9378 | 10.11 | .Q | V | . | . | . |
| 10.317 | 5.9518 | 10.12 | .Q | V | . | . | . |
| 10.333 | 5.9657 | 10.13 | .Q | V | . | . | . |
| 10.350 | 5.9797 | 10.14 | .Q | V | . | . | . |
| 10.367 | 5.9937 | 10.16 | .Q | V | . | . | . |
| 10.383 | 6.0077 | 10.17 | .Q | V | . | . | . |
| 10.400 | 6.0217 | 10.18 | .Q | V | . | . | . |
| 10.417 | 6.0358 | 10.19 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|---|---|---|---|
| 10.433 | 6.0498 | 10.20 | .Q | V | . | . | . |
| 10.450 | 6.0639 | 10.22 | .Q | V | . | . | . |
| 10.467 | 6.0780 | 10.23 | .Q | V | . | . | . |
| 10.483 | 6.0921 | 10.24 | .Q | V | . | . | . |
| 10.500 | 6.1062 | 10.25 | .Q | V | . | . | . |
| 10.517 | 6.1204 | 10.26 | .Q | V | . | . | . |
| 10.533 | 6.1345 | 10.28 | .Q | V | . | . | . |
| 10.550 | 6.1487 | 10.30 | .Q | V | . | . | . |
| 10.567 | 6.1629 | 10.32 | .Q | V | . | . | . |
| 10.583 | 6.1772 | 10.35 | .Q | V | . | . | . |
| 10.600 | 6.1915 | 10.38 | .Q | V | . | . | . |
| 10.617 | 6.2058 | 10.40 | .Q | V | . | . | . |
| 10.633 | 6.2202 | 10.43 | .Q | V | . | . | . |
| 10.650 | 6.2346 | 10.45 | .Q | V | . | . | . |
| 10.667 | 6.2490 | 10.48 | .Q | V | . | . | . |
| 10.683 | 6.2635 | 10.51 | .Q | V | . | . | . |
| 10.700 | 6.2780 | 10.53 | .Q | V | . | . | . |
| 10.717 | 6.2925 | 10.56 | .Q | V | . | . | . |
| 10.733 | 6.3071 | 10.58 | .Q | V | . | . | . |
| 10.750 | 6.3217 | 10.61 | .Q | V | . | . | . |
| 10.767 | 6.3364 | 10.64 | .Q | V | . | . | . |
| 10.783 | 6.3510 | 10.66 | .Q | V | . | . | . |
| 10.800 | 6.3658 | 10.69 | .Q | V | . | . | . |
| 10.817 | 6.3805 | 10.71 | .Q | V | . | . | . |
| 10.833 | 6.3953 | 10.72 | .Q | V | . | . | . |
| 10.850 | 6.4101 | 10.74 | .Q | V | . | . | . |
| 10.867 | 6.4249 | 10.75 | .Q | V | . | . | . |
| 10.883 | 6.4397 | 10.77 | .Q | V | . | . | . |
| 10.900 | 6.4546 | 10.78 | .Q | V | . | . | . |
| 10.917 | 6.4694 | 10.80 | .Q | V | . | . | . |
| 10.933 | 6.4843 | 10.81 | .Q | V | . | . | . |
| 10.950 | 6.4992 | 10.82 | .Q | V | . | . | . |
| 10.967 | 6.5142 | 10.84 | .Q | V | . | . | . |
| 10.983 | 6.5291 | 10.85 | .Q | V | . | . | . |
| 11.000 | 6.5441 | 10.87 | .Q | V | . | . | . |
| 11.017 | 6.5591 | 10.88 | .Q | V | . | . | . |
| 11.033 | 6.5741 | 10.89 | .Q | V | . | . | . |
| 11.050 | 6.5891 | 10.91 | .Q | V | . | . | . |
| 11.067 | 6.6041 | 10.92 | .Q | V | . | . | . |
| 11.083 | 6.6192 | 10.94 | .Q | V | . | . | . |
| 11.100 | 6.6343 | 10.96 | .Q | V | . | . | . |
| 11.117 | 6.6495 | 11.00 | .Q | V | . | . | . |
| 11.133 | 6.6646 | 11.03 | .Q | V | . | . | . |
| 11.150 | 6.6799 | 11.06 | .Q | V | . | . | . |
| 11.167 | 6.6951 | 11.09 | .Q | V | . | . | . |
| 11.183 | 6.7105 | 11.12 | .Q | V | . | . | . |
| 11.200 | 6.7258 | 11.15 | .Q | V | . | . | . |
| 11.217 | 6.7412 | 11.18 | .Q | V | . | . | . |
| 11.233 | 6.7567 | 11.21 | .Q | V | . | . | . |
| 11.250 | 6.7721 | 11.24 | .Q | V | . | . | . |
| 11.267 | 6.7877 | 11.27 | .Q | V | . | . | . |
| 11.283 | 6.8032 | 11.30 | .Q | V | . | . | . |
| 11.300 | 6.8189 | 11.33 | .Q | V | . | . | . |
| 11.317 | 6.8345 | 11.36 | .Q | V | . | . | . |
| 11.333 | 6.8502 | 11.40 | .Q | V | . | . | . |
| 11.350 | 6.8659 | 11.43 | .Q | V | . | . | . |
| 11.367 | 6.8817 | 11.45 | .Q | V | . | . | . |
| 11.383 | 6.8975 | 11.47 | .Q | V | . | . | . |

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|--------|--------|-------|----|----|---|---|---|
| 11.400 | 6.9133 | 11.48 | .Q | V. | . | . | . |
| 11.417 | 6.9292 | 11.50 | .Q | V. | . | . | . |
| 11.433 | 6.9450 | 11.52 | .Q | V. | . | . | . |
| 11.450 | 6.9609 | 11.53 | .Q | V. | . | . | . |
| 11.467 | 6.9768 | 11.55 | .Q | V. | . | . | . |
| 11.483 | 6.9928 | 11.57 | .Q | V. | . | . | . |
| 11.500 | 7.0087 | 11.58 | .Q | V. | . | . | . |
| 11.517 | 7.0247 | 11.60 | .Q | V. | . | . | . |
| 11.533 | 7.0407 | 11.62 | .Q | V. | . | . | . |
| 11.550 | 7.0567 | 11.64 | .Q | V. | . | . | . |
| 11.567 | 7.0728 | 11.65 | .Q | V. | . | . | . |
| 11.583 | 7.0889 | 11.67 | .Q | V. | . | . | . |
| 11.600 | 7.1050 | 11.69 | .Q | V. | . | . | . |
| 11.617 | 7.1211 | 11.70 | .Q | V. | . | . | . |
| 11.633 | 7.1372 | 11.72 | .Q | V. | . | . | . |
| 11.650 | 7.1534 | 11.76 | .Q | V. | . | . | . |
| 11.667 | 7.1697 | 11.79 | .Q | V. | . | . | . |
| 11.683 | 7.1860 | 11.83 | .Q | V. | . | . | . |
| 11.700 | 7.2023 | 11.87 | .Q | V. | . | . | . |
| 11.717 | 7.2187 | 11.91 | .Q | V. | . | . | . |
| 11.733 | 7.2352 | 11.94 | .Q | V. | . | . | . |
| 11.750 | 7.2517 | 11.98 | .Q | V. | . | . | . |
| 11.767 | 7.2682 | 12.02 | .Q | V. | . | . | . |
| 11.783 | 7.2848 | 12.05 | .Q | V. | . | . | . |
| 11.800 | 7.3015 | 12.09 | .Q | V. | . | . | . |
| 11.817 | 7.3182 | 12.13 | .Q | V. | . | . | . |
| 11.833 | 7.3349 | 12.17 | .Q | V. | . | . | . |
| 11.850 | 7.3517 | 12.20 | .Q | V. | . | . | . |
| 11.867 | 7.3686 | 12.24 | .Q | V. | . | . | . |
| 11.883 | 7.3855 | 12.28 | .Q | V. | . | . | . |
| 11.900 | 7.4025 | 12.31 | .Q | V. | . | . | . |
| 11.917 | 7.4195 | 12.34 | .Q | V. | . | . | . |
| 11.933 | 7.4365 | 12.36 | .Q | V | . | . | . |
| 11.950 | 7.4536 | 12.38 | .Q | V | . | . | . |
| 11.967 | 7.4706 | 12.40 | .Q | V | . | . | . |
| 11.983 | 7.4877 | 12.42 | .Q | V | . | . | . |
| 12.000 | 7.5049 | 12.44 | .Q | V | . | . | . |
| 12.017 | 7.5221 | 12.46 | .Q | V | . | . | . |
| 12.033 | 7.5392 | 12.48 | .Q | V | . | . | . |
| 12.050 | 7.5565 | 12.50 | .Q | V | . | . | . |
| 12.067 | 7.5737 | 12.53 | .Q | V | . | . | . |
| 12.083 | 7.5910 | 12.55 | .Q | V | . | . | . |
| 12.100 | 7.6083 | 12.57 | .Q | V | . | . | . |
| 12.117 | 7.6256 | 12.59 | .Q | V | . | . | . |
| 12.133 | 7.6430 | 12.61 | .Q | V | . | . | . |
| 12.150 | 7.6604 | 12.63 | .Q | V | . | . | . |
| 12.167 | 7.6778 | 12.65 | .Q | V | . | . | . |
| 12.183 | 7.6953 | 12.72 | .Q | V | . | . | . |
| 12.200 | 7.7131 | 12.91 | .Q | V | . | . | . |
| 12.217 | 7.7312 | 13.12 | .Q | V | . | . | . |
| 12.233 | 7.7495 | 13.32 | .Q | V | . | . | . |
| 12.250 | 7.7682 | 13.52 | .Q | V | . | . | . |
| 12.267 | 7.7871 | 13.72 | .Q | V | . | . | . |
| 12.283 | 7.8063 | 13.92 | .Q | V | . | . | . |
| 12.300 | 7.8257 | 14.13 | .Q | V | . | . | . |
| 12.317 | 7.8454 | 14.33 | .Q | V | . | . | . |
| 12.333 | 7.8655 | 14.53 | .Q | V | . | . | . |
| 12.350 | 7.8858 | 14.73 | .Q | V | . | . | . |

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|--------|--------|-------|----|----|---|---|---|
| 12.367 | 7.9063 | 14.93 | .Q | V | . | . | . |
| 12.383 | 7.9272 | 15.14 | .Q | V | . | . | . |
| 12.400 | 7.9483 | 15.34 | .Q | V | . | . | . |
| 12.417 | 7.9697 | 15.54 | .Q | V | . | . | . |
| 12.433 | 7.9914 | 15.74 | .Q | V | . | . | . |
| 12.450 | 8.0133 | 15.93 | .Q | V | . | . | . |
| 12.467 | 8.0354 | 16.00 | .Q | V | . | . | . |
| 12.483 | 8.0574 | 16.03 | .Q | V | . | . | . |
| 12.500 | 8.0796 | 16.05 | .Q | V | . | . | . |
| 12.517 | 8.1017 | 16.08 | .Q | V | . | . | . |
| 12.533 | 8.1239 | 16.11 | .Q | V | . | . | . |
| 12.550 | 8.1461 | 16.13 | .Q | V | . | . | . |
| 12.567 | 8.1684 | 16.16 | .Q | .V | . | . | . |
| 12.583 | 8.1907 | 16.19 | .Q | .V | . | . | . |
| 12.600 | 8.2130 | 16.22 | .Q | .V | . | . | . |
| 12.617 | 8.2354 | 16.24 | .Q | .V | . | . | . |
| 12.633 | 8.2578 | 16.27 | .Q | .V | . | . | . |
| 12.650 | 8.2802 | 16.30 | .Q | .V | . | . | . |
| 12.667 | 8.3027 | 16.32 | .Q | .V | . | . | . |
| 12.683 | 8.3253 | 16.35 | .Q | .V | . | . | . |
| 12.700 | 8.3478 | 16.38 | .Q | .V | . | . | . |
| 12.717 | 8.3704 | 16.40 | .Q | .V | . | . | . |
| 12.733 | 8.3931 | 16.45 | .Q | .V | . | . | . |
| 12.750 | 8.4158 | 16.51 | .Q | .V | . | . | . |
| 12.767 | 8.4386 | 16.57 | .Q | .V | . | . | . |
| 12.783 | 8.4615 | 16.63 | .Q | .V | . | . | . |
| 12.800 | 8.4845 | 16.69 | .Q | .V | . | . | . |
| 12.817 | 8.5076 | 16.75 | .Q | .V | . | . | . |
| 12.833 | 8.5307 | 16.81 | .Q | .V | . | . | . |
| 12.850 | 8.5540 | 16.87 | .Q | .V | . | . | . |
| 12.867 | 8.5773 | 16.93 | .Q | .V | . | . | . |
| 12.883 | 8.6007 | 16.99 | .Q | .V | . | . | . |
| 12.900 | 8.6242 | 17.05 | .Q | .V | . | . | . |
| 12.917 | 8.6478 | 17.11 | .Q | .V | . | . | . |
| 12.933 | 8.6714 | 17.17 | .Q | .V | . | . | . |
| 12.950 | 8.6951 | 17.24 | .Q | .V | . | . | . |
| 12.967 | 8.7190 | 17.30 | .Q | .V | . | . | . |
| 12.983 | 8.7429 | 17.36 | .Q | .V | . | . | . |
| 13.000 | 8.7669 | 17.41 | .Q | .V | . | . | . |
| 13.017 | 8.7909 | 17.45 | .Q | .V | . | . | . |
| 13.033 | 8.8150 | 17.49 | .Q | .V | . | . | . |
| 13.050 | 8.8391 | 17.52 | .Q | .V | . | . | . |
| 13.067 | 8.8633 | 17.56 | .Q | .V | . | . | . |
| 13.083 | 8.8875 | 17.59 | .Q | .V | . | . | . |
| 13.100 | 8.9118 | 17.63 | .Q | .V | . | . | . |
| 13.117 | 8.9361 | 17.66 | .Q | .V | . | . | . |
| 13.133 | 8.9605 | 17.69 | .Q | .V | . | . | . |
| 13.150 | 8.9849 | 17.73 | .Q | .V | . | . | . |
| 13.167 | 9.0094 | 17.76 | .Q | .V | . | . | . |
| 13.183 | 9.0339 | 17.80 | .Q | .V | . | . | . |
| 13.200 | 9.0585 | 17.83 | .Q | .V | . | . | . |
| 13.217 | 9.0831 | 17.87 | .Q | .V | . | . | . |
| 13.233 | 9.1077 | 17.90 | .Q | .V | . | . | . |
| 13.250 | 9.1324 | 17.94 | .Q | .V | . | . | . |
| 13.267 | 9.1572 | 17.97 | .Q | .V | . | . | . |
| 13.283 | 9.1820 | 18.03 | .Q | .V | . | . | . |
| 13.300 | 9.2070 | 18.11 | .Q | .V | . | . | . |
| 13.317 | 9.2320 | 18.19 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.333 | 9.2572 | 18.27 | . Q | . V | . | . | . |
| 13.350 | 9.2825 | 18.35 | . Q | . V | . | . | . |
| 13.367 | 9.3079 | 18.43 | . Q | . V | . | . | . |
| 13.383 | 9.3334 | 18.51 | . Q | . V | . | . | . |
| 13.400 | 9.3590 | 18.59 | . Q | . V | . | . | . |
| 13.417 | 9.3847 | 18.67 | . Q | . V | . | . | . |
| 13.433 | 9.4105 | 18.75 | . Q | . V | . | . | . |
| 13.450 | 9.4365 | 18.83 | . Q | . V | . | . | . |
| 13.467 | 9.4625 | 18.91 | . Q | . V | . | . | . |
| 13.483 | 9.4887 | 18.99 | . Q | . V | . | . | . |
| 13.500 | 9.5150 | 19.07 | . Q | . V | . | . | . |
| 13.517 | 9.5413 | 19.15 | . Q | . V | . | . | . |
| 13.533 | 9.5678 | 19.23 | . Q | . V | . | . | . |
| 13.550 | 9.5944 | 19.30 | . Q | . V | . | . | . |
| 13.567 | 9.6211 | 19.35 | . Q | . V | . | . | . |
| 13.583 | 9.6478 | 19.40 | . Q | . V | . | . | . |
| 13.600 | 9.6746 | 19.45 | . Q | . V | . | . | . |
| 13.617 | 9.7014 | 19.49 | . Q | . V | . | . | . |
| 13.633 | 9.7284 | 19.54 | . Q | . V | . | . | . |
| 13.650 | 9.7553 | 19.59 | . Q | . V | . | . | . |
| 13.667 | 9.7824 | 19.63 | . Q | . V | . | . | . |
| 13.683 | 9.8095 | 19.68 | . Q | . V | . | . | . |
| 13.700 | 9.8367 | 19.73 | . Q | . V | . | . | . |
| 13.717 | 9.8639 | 19.77 | . Q | . V | . | . | . |
| 13.733 | 9.8912 | 19.82 | . Q | . V | . | . | . |
| 13.750 | 9.9186 | 19.87 | . Q | . V | . | . | . |
| 13.767 | 9.9460 | 19.91 | . Q | . V | . | . | . |
| 13.783 | 9.9735 | 19.96 | . Q | . V | . | . | . |
| 13.800 | 10.0010 | 20.01 | . Q | . V | . | . | . |
| 13.817 | 10.0287 | 20.06 | . Q | . V | . | . | . |
| 13.833 | 10.0564 | 20.15 | . Q | . V | . | . | . |
| 13.850 | 10.0843 | 20.26 | . Q | . V | . | . | . |
| 13.867 | 10.1124 | 20.37 | . Q | . V | . | . | . |
| 13.883 | 10.1406 | 20.49 | . Q | . V | . | . | . |
| 13.900 | 10.1690 | 20.60 | . Q | . V | . | . | . |
| 13.917 | 10.1975 | 20.71 | . Q | . V | . | . | . |
| 13.933 | 10.2262 | 20.82 | . Q | . V | . | . | . |
| 13.950 | 10.2550 | 20.93 | . Q | . V | . | . | . |
| 13.967 | 10.2840 | 21.04 | . Q | . V | . | . | . |
| 13.983 | 10.3131 | 21.16 | . Q | . V | . | . | . |
| 14.000 | 10.3424 | 21.27 | . Q | . V | . | . | . |
| 14.017 | 10.3719 | 21.38 | . Q | . V | . | . | . |
| 14.033 | 10.4015 | 21.49 | . Q | . V | . | . | . |
| 14.050 | 10.4312 | 21.60 | . Q | . V | . | . | . |
| 14.067 | 10.4612 | 21.71 | . Q | . V | . | . | . |
| 14.083 | 10.4912 | 21.83 | . Q | . V | . | . | . |
| 14.100 | 10.5214 | 21.94 | . Q | . V | . | . | . |
| 14.117 | 10.5518 | 22.05 | . Q | . V | . | . | . |
| 14.133 | 10.5823 | 22.16 | . Q | . V | . | . | . |
| 14.150 | 10.6130 | 22.27 | . Q | . V | . | . | . |
| 14.167 | 10.6438 | 22.38 | . Q | . V | . | . | . |
| 14.183 | 10.6748 | 22.49 | . Q | . V | . | . | . |
| 14.200 | 10.7059 | 22.60 | . Q | . V | . | . | . |
| 14.217 | 10.7372 | 22.71 | . Q | . V | . | . | . |
| 14.233 | 10.7687 | 22.82 | . Q | . V | . | . | . |
| 14.250 | 10.8003 | 22.94 | . Q | . V | . | . | . |
| 14.267 | 10.8320 | 23.05 | . Q | . V | . | . | . |
| 14.283 | 10.8639 | 23.16 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.300 | 10.8959 | 23.27 | . Q | . V | . | . | . |
| 14.317 | 10.9282 | 23.38 | . Q | . V | . | . | . |
| 14.333 | 10.9605 | 23.49 | . Q | . V | . | . | . |
| 14.350 | 10.9930 | 23.60 | . Q | . V | . | . | . |
| 14.367 | 11.0257 | 23.72 | . Q | . V | . | . | . |
| 14.383 | 11.0586 | 23.88 | . Q | . V | . | . | . |
| 14.400 | 11.0917 | 24.05 | . Q | . V | . | . | . |
| 14.417 | 11.1251 | 24.23 | . Q | . V | . | . | . |
| 14.433 | 11.1587 | 24.40 | . Q | . V | . | . | . |
| 14.450 | 11.1925 | 24.57 | . Q | . V | . | . | . |
| 14.467 | 11.2266 | 24.75 | . Q | . V | . | . | . |
| 14.483 | 11.2609 | 24.92 | . Q | . V | . | . | . |
| 14.500 | 11.2955 | 25.09 | . Q | . V | . | . | . |
| 14.517 | 11.3303 | 25.27 | . Q | . V | . | . | . |
| 14.533 | 11.3654 | 25.44 | . Q | . V | . | . | . |
| 14.550 | 11.4006 | 25.61 | . Q | . V | . | . | . |
| 14.567 | 11.4361 | 25.79 | . Q | . V | . | . | . |
| 14.583 | 11.4719 | 25.96 | . Q | . V | . | . | . |
| 14.600 | 11.5079 | 26.13 | . Q | . V | . | . | . |
| 14.617 | 11.5441 | 26.30 | . Q | . V | . | . | . |
| 14.633 | 11.5806 | 26.48 | . Q | . V | . | . | . |
| 14.650 | 11.6173 | 26.62 | . Q | . V | . | . | . |
| 14.667 | 11.6541 | 26.73 | . Q | . V | . | . | . |
| 14.683 | 11.6910 | 26.84 | . Q | . V | . | . | . |
| 14.700 | 11.7282 | 26.95 | . Q | . V | . | . | . |
| 14.717 | 11.7654 | 27.06 | . Q | . V | . | . | . |
| 14.733 | 11.8029 | 27.17 | . Q | . V | . | . | . |
| 14.750 | 11.8405 | 27.28 | . Q | . V | . | . | . |
| 14.767 | 11.8782 | 27.40 | . Q | . V | . | . | . |
| 14.783 | 11.9161 | 27.51 | . Q | . V | . | . | . |
| 14.800 | 11.9541 | 27.62 | . Q | . V | . | . | . |
| 14.817 | 11.9923 | 27.73 | . Q | . V | . | . | . |
| 14.833 | 12.0307 | 27.84 | . Q | . V | . | . | . |
| 14.850 | 12.0692 | 27.95 | . Q | . V | . | . | . |
| 14.867 | 12.1078 | 28.06 | . Q | . V | . | . | . |
| 14.883 | 12.1466 | 28.17 | . Q | . V | . | . | . |
| 14.900 | 12.1856 | 28.29 | . Q | . V | . | . | . |
| 14.917 | 12.2248 | 28.44 | . Q | . V | . | . | . |
| 14.933 | 12.2643 | 28.73 | . Q | . V | . | . | . |
| 14.950 | 12.3043 | 29.04 | . Q | . V | . | . | . |
| 14.967 | 12.3448 | 29.35 | . Q | . V | . | . | . |
| 14.983 | 12.3856 | 29.67 | . Q | . V | . | . | . |
| 15.000 | 12.4269 | 29.98 | . Q | . V | . | . | . |
| 15.017 | 12.4686 | 30.29 | . Q | . V | . | . | . |
| 15.033 | 12.5108 | 30.60 | . Q | . V | . | . | . |
| 15.050 | 12.5533 | 30.91 | . Q | . V | . | . | . |
| 15.067 | 12.5963 | 31.22 | . Q | . V | . | . | . |
| 15.083 | 12.6398 | 31.53 | . Q | . V | . | . | . |
| 15.100 | 12.6836 | 31.84 | . Q | . V | . | . | . |
| 15.117 | 12.7279 | 32.15 | . Q | . V | . | . | . |
| 15.133 | 12.7726 | 32.46 | . Q | . V | . | . | . |
| 15.150 | 12.8177 | 32.77 | . Q | . V | . | . | . |
| 15.167 | 12.8633 | 33.08 | . Q | . V | . | . | . |
| 15.183 | 12.9093 | 33.38 | . Q | . V | . | . | . |
| 15.200 | 12.9556 | 33.64 | . Q | . V | . | . | . |
| 15.217 | 13.0023 | 33.87 | . Q | . V | . | . | . |
| 15.233 | 13.0492 | 34.10 | . Q | . V | . | . | . |
| 15.250 | 13.0965 | 34.33 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|----|---|---|---|---|---|
| 15.267 | 13.1441 | 34.56 | . | Q | . | V | . | . | . |
| 15.283 | 13.1920 | 34.79 | . | Q | . | V | . | . | . |
| 15.300 | 13.2403 | 35.02 | . | Q | . | V | . | . | . |
| 15.317 | 13.2888 | 35.25 | . | Q | . | V | . | . | . |
| 15.333 | 13.3377 | 35.48 | . | Q | . | V | . | . | . |
| 15.350 | 13.3869 | 35.71 | . | Q | . | V | . | . | . |
| 15.367 | 13.4364 | 35.94 | . | Q | . | V | . | . | . |
| 15.383 | 13.4862 | 36.17 | . | Q | . | V | . | . | . |
| 15.400 | 13.5364 | 36.40 | . | Q | . | V | . | . | . |
| 15.417 | 13.5868 | 36.63 | . | Q | . | V | . | . | . |
| 15.433 | 13.6376 | 36.86 | . | Q | . | V | . | . | . |
| 15.450 | 13.6887 | 37.09 | . | Q | . | V | . | . | . |
| 15.467 | 13.7402 | 37.40 | . | Q | . | V | . | . | . |
| 15.483 | 13.7923 | 37.86 | . | Q | . | V | . | . | . |
| 15.500 | 13.8451 | 38.33 | . | Q | . | V | . | . | . |
| 15.517 | 13.8986 | 38.79 | . | Q | . | V | . | . | . |
| 15.533 | 13.9526 | 39.26 | . | Q | . | V | . | . | . |
| 15.550 | 14.0074 | 39.72 | . | Q | . | V | . | . | . |
| 15.567 | 14.0627 | 40.19 | . | Q | . | V | . | . | . |
| 15.583 | 14.1187 | 40.65 | . | Q | . | V | . | . | . |
| 15.600 | 14.1753 | 41.12 | . | Q | . | V | . | . | . |
| 15.617 | 14.2326 | 41.58 | . | Q | . | V | . | . | . |
| 15.633 | 14.2905 | 42.05 | . | Q | . | V | . | . | . |
| 15.650 | 14.3491 | 42.51 | . | Q | . | V | . | . | . |
| 15.667 | 14.4083 | 42.98 | . | Q | . | V | . | . | . |
| 15.683 | 14.4681 | 43.44 | . | Q | . | V | . | . | . |
| 15.700 | 14.5286 | 43.91 | . | Q | . | V | . | . | . |
| 15.717 | 14.5897 | 44.37 | . | Q | . | V | . | . | . |
| 15.733 | 14.6516 | 44.90 | . | Q | . | V | . | . | . |
| 15.750 | 14.7149 | 45.98 | . | Q | . | V | . | . | . |
| 15.767 | 14.7799 | 47.18 | . | Q | . | V | . | . | . |
| 15.783 | 14.8465 | 48.38 | . | Q | . | V | . | . | . |
| 15.800 | 14.9148 | 49.59 | . | Q | . | V | . | . | . |
| 15.817 | 14.9848 | 50.79 | . | Q | . | V | . | . | . |
| 15.833 | 15.0564 | 52.00 | . | Q | . | V | . | . | . |
| 15.850 | 15.1297 | 53.20 | . | Q | . | V | . | . | . |
| 15.867 | 15.2046 | 54.41 | . | Q | . | V | . | . | . |
| 15.883 | 15.2812 | 55.61 | . | Q | . | V | . | . | . |
| 15.900 | 15.3595 | 56.82 | . | Q | . | V | . | . | . |
| 15.917 | 15.4394 | 58.02 | . | Q | . | V | . | . | . |
| 15.933 | 15.5210 | 59.23 | . | Q | . | V | . | . | . |
| 15.950 | 15.6042 | 60.43 | . | Q | . | V | . | . | . |
| 15.967 | 15.6891 | 61.63 | . | Q | . | V | . | . | . |
| 15.983 | 15.7757 | 62.84 | . | Q | . | V | . | . | . |
| 16.000 | 15.8639 | 64.04 | . | Q | . | V | . | . | . |
| 16.017 | 15.9605 | 70.10 | . | .Q | . | V | . | . | . |
| 16.033 | 16.0720 | 81.01 | . | . | Q | V | . | . | . |
| 16.050 | 16.1987 | 91.92 | . | . | . | Q | V | . | . |
| 16.067 | 16.3403 | 102.83 | . | . | . | . | Q | V | . |
| 16.083 | 16.4970 | 113.74 | . | . | . | . | . | Q | V |
| 16.100 | 16.6687 | 124.65 | . | . | . | . | . | . | Q |
| 16.117 | 16.8554 | 135.56 | . | . | . | . | . | . | . |
| 16.133 | 17.0571 | 146.47 | . | . | . | . | . | . | V |
| 16.150 | 17.2739 | 157.38 | . | . | . | . | . | . | V |
| 16.167 | 17.5057 | 168.29 | . | . | . | . | . | . | V |
| 16.183 | 17.7525 | 179.20 | . | . | . | . | . | . | V |
| 16.200 | 18.0144 | 190.11 | . | . | . | . | . | . | V |
| 16.217 | 18.2913 | 201.02 | . | . | . | . | . | . | V |

| | | | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|---|---|
| 16.233 | 18.5832 | 211.93 | . | . | . | . | . | V | . | Q | . |
| 16.250 | 18.8902 | 222.84 | . | . | . | . | . | V | . | . | Q |
| 16.267 | 19.2121 | 233.75 | . | . | . | . | . | V | . | . | Q |
| 16.283 | 19.5478 | 243.68 | . | . | . | . | . | V | . | . | Q |
| 16.300 | 19.8647 | 230.06 | . | . | . | . | . | V | . | . | Q |
| 16.317 | 20.1643 | 217.56 | . | . | . | . | . | V | . | . | Q |
| 16.333 | 20.4468 | 205.07 | . | . | . | . | . | V | . | . | Q |
| 16.350 | 20.7121 | 192.57 | . | . | . | . | . | V | . | . | Q |
| 16.367 | 20.9601 | 180.08 | . | . | . | . | . | V | . | . | Q |
| 16.383 | 21.1909 | 167.58 | . | . | . | . | . | V | . | . | Q |
| 16.400 | 21.4045 | 155.09 | . | . | . | . | . | V | . | . | Q |
| 16.417 | 21.6010 | 142.59 | . | . | . | . | . | V | . | . | Q |
| 16.433 | 21.7802 | 130.10 | . | . | . | . | . | V | . | . | Q |
| 16.450 | 21.9421 | 117.60 | . | . | . | . | . | V | . | . | Q |
| 16.467 | 22.0869 | 105.11 | . | . | . | . | . | V | . | . | Q |
| 16.483 | 22.2145 | 92.61 | . | . | . | . | . | V | . | . | Q |
| 16.500 | 22.3248 | 80.11 | . | . | . | . | . | V | . | . | Q |
| 16.517 | 22.4180 | 67.62 | . | . | . | . | . | V | . | . | Q |
| 16.533 | 22.4939 | 55.12 | . | . | . | . | . | V | . | . | Q |
| 16.550 | 22.5529 | 42.82 | . | . | . | . | . | V | . | . | Q |
| 16.567 | 22.6056 | 38.30 | . | . | . | . | . | V | . | . | Q |
| 16.583 | 22.6577 | 37.81 | . | . | . | . | . | V | . | . | Q |
| 16.600 | 22.7091 | 37.32 | . | . | . | . | . | V | . | . | Q |
| 16.617 | 22.7599 | 36.83 | . | . | . | . | . | V | . | . | Q |
| 16.633 | 22.8099 | 36.35 | . | . | . | . | . | V | . | . | Q |
| 16.650 | 22.8593 | 35.86 | . | . | . | . | . | V | . | . | Q |
| 16.667 | 22.9080 | 35.37 | . | . | . | . | . | V | . | . | Q |
| 16.683 | 22.9561 | 34.88 | . | . | . | . | . | V | . | . | Q |
| 16.700 | 23.0035 | 34.39 | . | . | . | . | . | V | . | . | Q |
| 16.717 | 23.0502 | 33.91 | . | . | . | . | . | V | . | . | Q |
| 16.733 | 23.0962 | 33.42 | . | . | . | . | . | V | . | . | Q |
| 16.750 | 23.1416 | 32.93 | . | . | . | . | . | V | . | . | Q |
| 16.767 | 23.1862 | 32.44 | . | . | . | . | . | V | . | . | Q |
| 16.783 | 23.2303 | 31.96 | . | . | . | . | . | V | . | . | Q |
| 16.800 | 23.2736 | 31.47 | . | . | . | . | . | V | . | . | Q |
| 16.817 | 23.3163 | 30.98 | . | . | . | . | . | V | . | . | Q |
| 16.833 | 23.3583 | 30.54 | . | . | . | . | . | V | . | . | Q |
| 16.850 | 23.3999 | 30.19 | . | . | . | . | . | V | . | . | Q |
| 16.867 | 23.4410 | 29.85 | . | . | . | . | . | V | . | . | Q |
| 16.883 | 23.4817 | 29.51 | . | . | . | . | . | V | . | . | Q |
| 16.900 | 23.5219 | 29.17 | . | . | . | . | . | V | . | . | Q |
| 16.917 | 23.5616 | 28.83 | . | . | . | . | . | V | . | . | Q |
| 16.933 | 23.6008 | 28.49 | . | . | . | . | . | V | . | . | Q |
| 16.950 | 23.6396 | 28.15 | . | . | . | . | . | V | . | . | Q |
| 16.967 | 23.6779 | 27.81 | . | . | . | . | . | V | . | . | Q |
| 16.983 | 23.7157 | 27.47 | . | . | . | . | . | V | . | . | Q |
| 17.000 | 23.7531 | 27.12 | . | . | . | . | . | V | . | . | Q |
| 17.017 | 23.7900 | 26.78 | . | . | . | . | . | V | . | . | Q |
| 17.033 | 23.8264 | 26.44 | . | . | . | . | . | V | . | . | Q |
| 17.050 | 23.8623 | 26.10 | . | . | . | . | . | V | . | . | Q |
| 17.067 | 23.8978 | 25.76 | . | . | . | . | . | V | . | . | Q |
| 17.083 | 23.9328 | 25.42 | . | . | . | . | . | V | . | . | Q |
| 17.100 | 23.9674 | 25.09 | . | . | . | . | . | V | . | . | Q |
| 17.117 | 24.0016 | 24.82 | . | . | . | . | . | V | . | . | Q |
| 17.133 | 24.0354 | 24.57 | . | . | . | . | . | V | . | . | Q |
| 17.150 | 24.0689 | 24.32 | . | . | . | . | . | V | . | . | Q |
| 17.167 | 24.1021 | 24.07 | . | . | . | . | . | V | . | . | Q |
| 17.183 | 24.1349 | 23.82 | . | . | . | . | . | V | . | . | Q |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 24.1673 | 23.57 | . Q | . | . | . V | . |
| 17.217 | 24.1994 | 23.31 | . Q | . | . | . V | . |
| 17.233 | 24.2312 | 23.06 | . Q | . | . | . V | . |
| 17.250 | 24.2626 | 22.81 | . Q | . | . | . V | . |
| 17.267 | 24.2937 | 22.56 | . Q | . | . | . V | . |
| 17.283 | 24.3244 | 22.31 | . Q | . | . | . V | . |
| 17.300 | 24.3548 | 22.06 | . Q | . | . | . V | . |
| 17.317 | 24.3849 | 21.81 | . Q | . | . | . V | . |
| 17.333 | 24.4146 | 21.56 | . Q | . | . | . V | . |
| 17.350 | 24.4439 | 21.31 | . Q | . | . | . V | . |
| 17.367 | 24.4729 | 21.06 | . Q | . | . | . V | . |
| 17.383 | 24.5017 | 20.86 | . Q | . | . | . V | . |
| 17.400 | 24.5302 | 20.72 | . Q | . | . | . V | . |
| 17.417 | 24.5586 | 20.58 | . Q | . | . | . V | . |
| 17.433 | 24.5867 | 20.44 | . Q | . | . | . V | . |
| 17.450 | 24.6147 | 20.30 | . Q | . | . | . V | . |
| 17.467 | 24.6424 | 20.15 | . Q | . | . | . V | . |
| 17.483 | 24.6700 | 20.01 | . Q | . | . | . V | . |
| 17.500 | 24.6974 | 19.87 | . Q | . | . | . V | . |
| 17.517 | 24.7245 | 19.73 | . Q | . | . | . V | . |
| 17.533 | 24.7515 | 19.59 | . Q | . | . | . V | . |
| 17.550 | 24.7783 | 19.45 | . Q | . | . | . V | . |
| 17.567 | 24.8049 | 19.31 | . Q | . | . | . V | . |
| 17.583 | 24.8313 | 19.17 | . Q | . | . | . V | . |
| 17.600 | 24.8575 | 19.03 | . Q | . | . | . V | . |
| 17.617 | 24.8835 | 18.88 | . Q | . | . | . V | . |
| 17.633 | 24.9094 | 18.74 | . Q | . | . | . V | . |
| 17.650 | 24.9350 | 18.61 | . Q | . | . | . V | . |
| 17.667 | 24.9605 | 18.50 | . Q | . | . | . V | . |
| 17.683 | 24.9858 | 18.40 | . Q | . | . | . V | . |
| 17.700 | 25.0110 | 18.29 | . Q | . | . | . V | . |
| 17.717 | 25.0360 | 18.19 | . Q | . | . | . V | . |
| 17.733 | 25.0610 | 18.08 | . Q | . | . | . V | . |
| 17.750 | 25.0857 | 17.98 | . Q | . | . | . V | . |
| 17.767 | 25.1103 | 17.87 | . Q | . | . | . V | . |
| 17.783 | 25.1348 | 17.77 | . Q | . | . | . V | . |
| 17.800 | 25.1592 | 17.67 | . Q | . | . | . V | . |
| 17.817 | 25.1833 | 17.56 | . Q | . | . | . V | . |
| 17.833 | 25.2074 | 17.46 | . Q | . | . | . V | . |
| 17.850 | 25.2313 | 17.35 | . Q | . | . | . V | . |
| 17.867 | 25.2550 | 17.25 | . Q | . | . | . V | . |
| 17.883 | 25.2787 | 17.14 | . Q | . | . | . V | . |
| 17.900 | 25.3021 | 17.04 | . Q | . | . | . V | . |
| 17.917 | 25.3255 | 16.94 | . Q | . | . | . V | . |
| 17.933 | 25.3487 | 16.84 | . Q | . | . | . V | . |
| 17.950 | 25.3717 | 16.75 | . Q | . | . | . V | . |
| 17.967 | 25.3947 | 16.66 | . Q | . | . | . V | . |
| 17.983 | 25.4175 | 16.57 | . Q | . | . | . V | . |
| 18.000 | 25.4402 | 16.48 | . Q | . | . | . V | . |
| 18.017 | 25.4628 | 16.39 | . Q | . | . | . V | . |
| 18.033 | 25.4852 | 16.30 | . Q | . | . | . V | . |
| 18.050 | 25.5075 | 16.21 | . Q | . | . | . V | . |
| 18.067 | 25.5297 | 16.12 | . Q | . | . | . V | . |
| 18.083 | 25.5518 | 16.03 | . Q | . | . | . V | . |
| 18.100 | 25.5738 | 15.93 | . Q | . | . | . V | . |
| 18.117 | 25.5956 | 15.84 | . Q | . | . | . V | . |
| 18.133 | 25.6173 | 15.75 | . Q | . | . | . V | . |
| 18.150 | 25.6389 | 15.66 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 25.6603 | 15.57 | . Q | . | . | . V | . |
| 18.183 | 25.6816 | 15.48 | . Q | . | . | . V | . |
| 18.200 | 25.7028 | 15.36 | . Q | . | . | . V | . |
| 18.217 | 25.7237 | 15.16 | . Q | . | . | . V | . |
| 18.233 | 25.7443 | 14.95 | . Q | . | . | . V | . |
| 18.250 | 25.7646 | 14.74 | . Q | . | . | . V | . |
| 18.267 | 25.7846 | 14.54 | . Q | . | . | . V | . |
| 18.283 | 25.8043 | 14.33 | . Q | . | . | . V | . |
| 18.300 | 25.8238 | 14.12 | . Q | . | . | . V | . |
| 18.317 | 25.8430 | 13.92 | . Q | . | . | . V | . |
| 18.333 | 25.8618 | 13.71 | . Q | . | . | . V | . |
| 18.350 | 25.8804 | 13.50 | . Q | . | . | . V | . |
| 18.367 | 25.8987 | 13.29 | . Q | . | . | . V | . |
| 18.383 | 25.9168 | 13.09 | . Q | . | . | . V | . |
| 18.400 | 25.9345 | 12.88 | . Q | . | . | . V | . |
| 18.417 | 25.9520 | 12.67 | . Q | . | . | . V | . |
| 18.433 | 25.9691 | 12.47 | . Q | . | . | . V | . |
| 18.450 | 25.9860 | 12.26 | . Q | . | . | . V | . |
| 18.467 | 26.0026 | 12.06 | . Q | . | . | . V | . |
| 18.483 | 26.0191 | 11.97 | . Q | . | . | . V | . |
| 18.500 | 26.0356 | 11.92 | . Q | . | . | . V | . |
| 18.517 | 26.0519 | 11.87 | . Q | . | . | . V | . |
| 18.533 | 26.0682 | 11.82 | . Q | . | . | . V | . |
| 18.550 | 26.0844 | 11.77 | . Q | . | . | . V | . |
| 18.567 | 26.1005 | 11.72 | . Q | . | . | . V | . |
| 18.583 | 26.1166 | 11.67 | . Q | . | . | . V | . |
| 18.600 | 26.1326 | 11.62 | . Q | . | . | . V | . |
| 18.617 | 26.1485 | 11.57 | . Q | . | . | . V | . |
| 18.633 | 26.1644 | 11.52 | . Q | . | . | . V | . |
| 18.650 | 26.1802 | 11.47 | . Q | . | . | . V | . |
| 18.667 | 26.1959 | 11.42 | . Q | . | . | . V | . |
| 18.683 | 26.2116 | 11.36 | . Q | . | . | . V | . |
| 18.700 | 26.2272 | 11.31 | . Q | . | . | . V | . |
| 18.717 | 26.2427 | 11.26 | . Q | . | . | . V | . |
| 18.733 | 26.2581 | 11.21 | . Q | . | . | . V | . |
| 18.750 | 26.2735 | 11.17 | . Q | . | . | . V | . |
| 18.767 | 26.2888 | 11.12 | . Q | . | . | . V | . |
| 18.783 | 26.3041 | 11.08 | . Q | . | . | . V | . |
| 18.800 | 26.3193 | 11.04 | . Q | . | . | . V | . |
| 18.817 | 26.3344 | 11.00 | . Q | . | . | . V | . |
| 18.833 | 26.3495 | 10.95 | . Q | . | . | . V | . |
| 18.850 | 26.3646 | 10.91 | . Q | . | . | . V | . |
| 18.867 | 26.3795 | 10.87 | . Q | . | . | . V | . |
| 18.883 | 26.3944 | 10.83 | . Q | . | . | . V | . |
| 18.900 | 26.4093 | 10.78 | . Q | . | . | . V | . |
| 18.917 | 26.4241 | 10.74 | . Q | . | . | . V | . |
| 18.933 | 26.4388 | 10.70 | . Q | . | . | . V | . |
| 18.950 | 26.4535 | 10.66 | . Q | . | . | . V | . |
| 18.967 | 26.4681 | 10.62 | . Q | . | . | . V | . |
| 18.983 | 26.4827 | 10.57 | . Q | . | . | . V | . |
| 19.000 | 26.4972 | 10.53 | . Q | . | . | . V | . |
| 19.017 | 26.5116 | 10.49 | . Q | . | . | . V | . |
| 19.033 | 26.5260 | 10.45 | . Q | . | . | . V | . |
| 19.050 | 26.5404 | 10.42 | . Q | . | . | . V | . |
| 19.067 | 26.5547 | 10.38 | . Q | . | . | . V | . |
| 19.083 | 26.5689 | 10.34 | . Q | . | . | . V | . |
| 19.100 | 26.5831 | 10.31 | . Q | . | . | . V | . |
| 19.117 | 26.5973 | 10.27 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 26.6114 | 10.24 | .Q | . | . | . | V | . |
| 19.150 | 26.6254 | 10.20 | .Q | . | . | . | V | . |
| 19.167 | 26.6394 | 10.16 | .Q | . | . | . | V | . |
| 19.183 | 26.6534 | 10.13 | .Q | . | . | . | V | . |
| 19.200 | 26.6673 | 10.09 | .Q | . | . | . | V | . |
| 19.217 | 26.6811 | 10.05 | .Q | . | . | . | V | . |
| 19.233 | 26.6949 | 10.02 | .Q | . | . | . | V | . |
| 19.250 | 26.7087 | 9.98 | .Q | . | . | . | V | . |
| 19.267 | 26.7224 | 9.95 | .Q | . | . | . | V | . |
| 19.283 | 26.7360 | 9.91 | .Q | . | . | . | V | . |
| 19.300 | 26.7496 | 9.88 | .Q | . | . | . | V | . |
| 19.317 | 26.7632 | 9.85 | .Q | . | . | . | V | . |
| 19.333 | 26.7767 | 9.81 | .Q | . | . | . | V | . |
| 19.350 | 26.7902 | 9.78 | .Q | . | . | . | V | . |
| 19.367 | 26.8036 | 9.75 | .Q | . | . | . | V | . |
| 19.383 | 26.8170 | 9.72 | .Q | . | . | . | V | . |
| 19.400 | 26.8304 | 9.69 | .Q | . | . | . | V | . |
| 19.417 | 26.8437 | 9.66 | .Q | . | . | . | V | . |
| 19.433 | 26.8569 | 9.63 | .Q | . | . | . | V | . |
| 19.450 | 26.8701 | 9.60 | .Q | . | . | . | V | . |
| 19.467 | 26.8833 | 9.56 | .Q | . | . | . | V | . |
| 19.483 | 26.8964 | 9.53 | .Q | . | . | . | V | . |
| 19.500 | 26.9095 | 9.50 | .Q | . | . | . | V | . |
| 19.517 | 26.9226 | 9.47 | .Q | . | . | . | V | . |
| 19.533 | 26.9356 | 9.44 | .Q | . | . | . | V | . |
| 19.550 | 26.9485 | 9.41 | .Q | . | . | . | V | . |
| 19.567 | 26.9615 | 9.38 | .Q | . | . | . | V | . |
| 19.583 | 26.9743 | 9.35 | .Q | . | . | . | V | . |
| 19.600 | 26.9872 | 9.32 | .Q | . | . | . | V | . |
| 19.617 | 27.0000 | 9.30 | .Q | . | . | . | V | . |
| 19.633 | 27.0128 | 9.27 | .Q | . | . | . | V | . |
| 19.650 | 27.0255 | 9.24 | .Q | . | . | . | V | . |
| 19.667 | 27.0382 | 9.21 | .Q | . | . | . | V | . |
| 19.683 | 27.0508 | 9.19 | .Q | . | . | . | V | . |
| 19.700 | 27.0634 | 9.16 | .Q | . | . | . | V | . |
| 19.717 | 27.0760 | 9.13 | .Q | . | . | . | V | . |
| 19.733 | 27.0886 | 9.10 | .Q | . | . | . | V | . |
| 19.750 | 27.1011 | 9.08 | .Q | . | . | . | V | . |
| 19.767 | 27.1135 | 9.05 | .Q | . | . | . | V | . |
| 19.783 | 27.1260 | 9.02 | .Q | . | . | . | V | . |
| 19.800 | 27.1384 | 9.00 | .Q | . | . | . | V | . |
| 19.817 | 27.1507 | 8.97 | .Q | . | . | . | V | . |
| 19.833 | 27.1630 | 8.94 | .Q | . | . | . | V | . |
| 19.850 | 27.1753 | 8.92 | .Q | . | . | . | V | . |
| 19.867 | 27.1876 | 8.89 | .Q | . | . | . | V | . |
| 19.883 | 27.1998 | 8.87 | .Q | . | . | . | V | . |
| 19.900 | 27.2119 | 8.84 | .Q | . | . | . | V | . |
| 19.917 | 27.2241 | 8.82 | .Q | . | . | . | V | . |
| 19.933 | 27.2362 | 8.80 | .Q | . | . | . | V | . |
| 19.950 | 27.2483 | 8.77 | .Q | . | . | . | V | . |
| 19.967 | 27.2603 | 8.75 | .Q | . | . | . | V | . |
| 19.983 | 27.2724 | 8.72 | .Q | . | . | . | V | . |
| 20.000 | 27.2843 | 8.70 | .Q | . | . | . | V | . |
| 20.017 | 27.2963 | 8.67 | .Q | . | . | . | V | . |
| 20.033 | 27.3082 | 8.65 | .Q | . | . | . | V | . |
| 20.050 | 27.3201 | 8.63 | .Q | . | . | . | V | . |
| 20.067 | 27.3319 | 8.60 | .Q | . | . | . | V | . |
| 20.083 | 27.3438 | 8.58 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 20.100 | 27.3555 | 8.55 | .Q | . | . | . | V | . |
| 20.117 | 27.3673 | 8.53 | .Q | . | . | . | V | . |
| 20.133 | 27.3790 | 8.51 | .Q | . | . | . | V | . |
| 20.150 | 27.3907 | 8.49 | .Q | . | . | . | V | . |
| 20.167 | 27.4024 | 8.47 | .Q | . | . | . | V | . |
| 20.183 | 27.4140 | 8.44 | .Q | . | . | . | V | . |
| 20.200 | 27.4256 | 8.42 | .Q | . | . | . | V | . |
| 20.217 | 27.4372 | 8.40 | .Q | . | . | . | V | . |
| 20.233 | 27.4487 | 8.38 | .Q | . | . | . | V | . |
| 20.250 | 27.4602 | 8.36 | .Q | . | . | . | V | . |
| 20.267 | 27.4717 | 8.34 | .Q | . | . | . | V | . |
| 20.283 | 27.4832 | 8.32 | .Q | . | . | . | V | . |
| 20.300 | 27.4946 | 8.29 | .Q | . | . | . | V | . |
| 20.317 | 27.5060 | 8.27 | .Q | . | . | . | V | . |
| 20.333 | 27.5173 | 8.25 | .Q | . | . | . | V | . |
| 20.350 | 27.5287 | 8.23 | .Q | . | . | . | V | . |
| 20.367 | 27.5400 | 8.21 | .Q | . | . | . | V | . |
| 20.383 | 27.5513 | 8.19 | .Q | . | . | . | V | . |
| 20.400 | 27.5625 | 8.17 | .Q | . | . | . | V | . |
| 20.417 | 27.5737 | 8.15 | .Q | . | . | . | V | . |
| 20.433 | 27.5849 | 8.13 | .Q | . | . | . | V | . |
| 20.450 | 27.5961 | 8.11 | .Q | . | . | . | V | . |
| 20.467 | 27.6072 | 8.09 | .Q | . | . | . | V | . |
| 20.483 | 27.6183 | 8.07 | .Q | . | . | . | V | . |
| 20.500 | 27.6294 | 8.05 | .Q | . | . | . | V | . |
| 20.517 | 27.6405 | 8.03 | .Q | . | . | . | V | . |
| 20.533 | 27.6515 | 8.01 | .Q | . | . | . | V | . |
| 20.550 | 27.6625 | 7.99 | .Q | . | . | . | V | . |
| 20.567 | 27.6735 | 7.97 | .Q | . | . | . | V | . |
| 20.583 | 27.6845 | 7.95 | .Q | . | . | . | V | . |
| 20.600 | 27.6954 | 7.93 | .Q | . | . | . | V | . |
| 20.617 | 27.7063 | 7.92 | .Q | . | . | . | V | . |
| 20.633 | 27.7172 | 7.90 | .Q | . | . | . | V | . |
| 20.650 | 27.7280 | 7.88 | .Q | . | . | . | V | . |
| 20.667 | 27.7389 | 7.86 | .Q | . | . | . | V | . |
| 20.683 | 27.7497 | 7.84 | .Q | . | . | . | V | . |
| 20.700 | 27.7604 | 7.82 | .Q | . | . | . | V | . |
| 20.717 | 27.7712 | 7.81 | .Q | . | . | . | V | . |
| 20.733 | 27.7819 | 7.79 | .Q | . | . | . | V | . |
| 20.750 | 27.7926 | 7.77 | .Q | . | . | . | V | . |
| 20.767 | 27.8033 | 7.75 | .Q | . | . | . | V | . |
| 20.783 | 27.8140 | 7.74 | .Q | . | . | . | V | . |
| 20.800 | 27.8246 | 7.72 | .Q | . | . | . | V | . |
| 20.817 | 27.8352 | 7.70 | .Q | . | . | . | V | . |
| 20.833 | 27.8458 | 7.68 | .Q | . | . | . | V | . |
| 20.850 | 27.8563 | 7.67 | .Q | . | . | . | V | . |
| 20.867 | 27.8669 | 7.65 | .Q | . | . | . | V | . |
| 20.883 | 27.8774 | 7.63 | .Q | . | . | . | V | . |
| 20.900 | 27.8879 | 7.61 | .Q | . | . | . | V | . |
| 20.917 | 27.8983 | 7.60 | .Q | . | . | . | V | . |
| 20.933 | 27.9088 | 7.58 | .Q | . | . | . | V | . |
| 20.950 | 27.9192 | 7.56 | .Q | . | . | . | V | . |
| 20.967 | 27.9296 | 7.55 | .Q | . | . | . | V | . |
| 20.983 | 27.9399 | 7.53 | .Q | . | . | . | V | . |
| 21.000 | 27.9503 | 7.51 | .Q | . | . | . | V | . |
| 21.017 | 27.9606 | 7.50 | .Q | . | . | . | V | . |
| 21.033 | 27.9709 | 7.48 | .Q | . | . | . | V | . |
| 21.050 | 27.9812 | 7.47 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 21.067 | 27.9915 | 7.45 | .Q | . | . | . | V | . |
| 21.083 | 28.0017 | 7.43 | .Q | . | . | . | V | . |
| 21.100 | 28.0119 | 7.42 | .Q | . | . | . | V | . |
| 21.117 | 28.0221 | 7.40 | .Q | . | . | . | V | . |
| 21.133 | 28.0323 | 7.39 | .Q | . | . | . | V | . |
| 21.150 | 28.0425 | 7.37 | .Q | . | . | . | V | . |
| 21.167 | 28.0526 | 7.36 | .Q | . | . | . | V | . |
| 21.183 | 28.0627 | 7.34 | .Q | . | . | . | V | . |
| 21.200 | 28.0728 | 7.32 | .Q | . | . | . | V | . |
| 21.217 | 28.0829 | 7.31 | .Q | . | . | . | V | . |
| 21.233 | 28.0929 | 7.29 | .Q | . | . | . | V | . |
| 21.250 | 28.1029 | 7.28 | .Q | . | . | . | V | . |
| 21.267 | 28.1129 | 7.26 | .Q | . | . | . | V | . |
| 21.283 | 28.1229 | 7.25 | .Q | . | . | . | V | . |
| 21.300 | 28.1329 | 7.24 | .Q | . | . | . | V | . |
| 21.317 | 28.1428 | 7.22 | .Q | . | . | . | V | . |
| 21.333 | 28.1528 | 7.21 | .Q | . | . | . | V | . |
| 21.350 | 28.1627 | 7.19 | .Q | . | . | . | V | . |
| 21.367 | 28.1726 | 7.18 | .Q | . | . | . | V | . |
| 21.383 | 28.1824 | 7.16 | .Q | . | . | . | V | . |
| 21.400 | 28.1923 | 7.15 | .Q | . | . | . | V | . |
| 21.417 | 28.2021 | 7.13 | .Q | . | . | . | V | . |
| 21.433 | 28.2119 | 7.12 | .Q | . | . | . | V | . |
| 21.450 | 28.2217 | 7.10 | .Q | . | . | . | V | . |
| 21.467 | 28.2315 | 7.09 | .Q | . | . | . | V | . |
| 21.483 | 28.2412 | 7.08 | .Q | . | . | . | V | . |
| 21.500 | 28.2509 | 7.06 | .Q | . | . | . | V | . |
| 21.517 | 28.2606 | 7.05 | .Q | . | . | . | V | . |
| 21.533 | 28.2703 | 7.04 | .Q | . | . | . | V | . |
| 21.550 | 28.2800 | 7.02 | .Q | . | . | . | V | . |
| 21.567 | 28.2897 | 7.01 | .Q | . | . | . | V | . |
| 21.583 | 28.2993 | 7.00 | .Q | . | . | . | V | . |
| 21.600 | 28.3089 | 6.98 | .Q | . | . | . | V | . |
| 21.617 | 28.3185 | 6.97 | .Q | . | . | . | V | . |
| 21.633 | 28.3281 | 6.96 | .Q | . | . | . | V | . |
| 21.650 | 28.3376 | 6.94 | .Q | . | . | . | V | . |
| 21.667 | 28.3472 | 6.93 | .Q | . | . | . | V | . |
| 21.683 | 28.3567 | 6.91 | .Q | . | . | . | V | . |
| 21.700 | 28.3662 | 6.90 | .Q | . | . | . | V | . |
| 21.717 | 28.3757 | 6.89 | .Q | . | . | . | V | . |
| 21.733 | 28.3852 | 6.87 | .Q | . | . | . | V | . |
| 21.750 | 28.3946 | 6.86 | .Q | . | . | . | V | . |
| 21.767 | 28.4041 | 6.85 | .Q | . | . | . | V | . |
| 21.783 | 28.4135 | 6.84 | .Q | . | . | . | V | . |
| 21.800 | 28.4229 | 6.82 | .Q | . | . | . | V | . |
| 21.817 | 28.4323 | 6.81 | .Q | . | . | . | V | . |
| 21.833 | 28.4416 | 6.80 | .Q | . | . | . | V | . |
| 21.850 | 28.4510 | 6.79 | .Q | . | . | . | V | . |
| 21.867 | 28.4603 | 6.77 | .Q | . | . | . | V | . |
| 21.883 | 28.4696 | 6.76 | .Q | . | . | . | V | . |
| 21.900 | 28.4789 | 6.75 | .Q | . | . | . | V | . |
| 21.917 | 28.4882 | 6.74 | .Q | . | . | . | V | . |
| 21.933 | 28.4975 | 6.73 | .Q | . | . | . | V | . |
| 21.950 | 28.5067 | 6.71 | .Q | . | . | . | V | . |
| 21.967 | 28.5159 | 6.70 | .Q | . | . | . | V | . |
| 21.983 | 28.5252 | 6.69 | .Q | . | . | . | V | . |
| 22.000 | 28.5343 | 6.68 | .Q | . | . | . | V | . |
| 22.017 | 28.5435 | 6.66 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 22.033 | 28.5527 | 6.65 | .Q | . | . | . | V | . |
| 22.050 | 28.5618 | 6.64 | .Q | . | . | . | V | . |
| 22.067 | 28.5710 | 6.63 | .Q | . | . | . | V | . |
| 22.083 | 28.5801 | 6.62 | .Q | . | . | . | V | . |
| 22.100 | 28.5892 | 6.61 | .Q | . | . | . | V | . |
| 22.117 | 28.5983 | 6.59 | .Q | . | . | . | V | . |
| 22.133 | 28.6073 | 6.58 | .Q | . | . | . | V | . |
| 22.150 | 28.6164 | 6.57 | .Q | . | . | . | V | . |
| 22.167 | 28.6254 | 6.56 | .Q | . | . | . | V | . |
| 22.183 | 28.6344 | 6.55 | .Q | . | . | . | V | . |
| 22.200 | 28.6434 | 6.54 | .Q | . | . | . | V | . |
| 22.217 | 28.6524 | 6.53 | .Q | . | . | . | V | . |
| 22.233 | 28.6614 | 6.51 | .Q | . | . | . | V | . |
| 22.250 | 28.6704 | 6.50 | .Q | . | . | . | V | . |
| 22.267 | 28.6793 | 6.49 | .Q | . | . | . | V | . |
| 22.283 | 28.6882 | 6.48 | .Q | . | . | . | V | . |
| 22.300 | 28.6971 | 6.47 | .Q | . | . | . | V | . |
| 22.317 | 28.7060 | 6.46 | .Q | . | . | . | V | . |
| 22.333 | 28.7149 | 6.45 | .Q | . | . | . | V | . |
| 22.350 | 28.7238 | 6.44 | .Q | . | . | . | V | . |
| 22.367 | 28.7326 | 6.43 | .Q | . | . | . | V | . |
| 22.383 | 28.7415 | 6.42 | .Q | . | . | . | V | . |
| 22.400 | 28.7503 | 6.40 | .Q | . | . | . | V | . |
| 22.417 | 28.7591 | 6.39 | .Q | . | . | . | V | . |
| 22.433 | 28.7679 | 6.38 | .Q | . | . | . | V | . |
| 22.450 | 28.7767 | 6.37 | .Q | . | . | . | V | . |
| 22.467 | 28.7854 | 6.36 | .Q | . | . | . | V | . |
| 22.483 | 28.7942 | 6.35 | .Q | . | . | . | V | . |
| 22.500 | 28.8029 | 6.34 | .Q | . | . | . | V | . |
| 22.517 | 28.8116 | 6.33 | .Q | . | . | . | V | . |
| 22.533 | 28.8203 | 6.32 | .Q | . | . | . | V | . |
| 22.550 | 28.8290 | 6.31 | .Q | . | . | . | V | . |
| 22.567 | 28.8377 | 6.30 | .Q | . | . | . | V | . |
| 22.583 | 28.8464 | 6.29 | .Q | . | . | . | V | . |
| 22.600 | 28.8550 | 6.28 | .Q | . | . | . | V | . |
| 22.617 | 28.8637 | 6.27 | .Q | . | . | . | V | . |
| 22.633 | 28.8723 | 6.26 | .Q | . | . | . | V | . |
| 22.650 | 28.8809 | 6.25 | .Q | . | . | . | V | . |
| 22.667 | 28.8895 | 6.24 | .Q | . | . | . | V | . |
| 22.683 | 28.8981 | 6.23 | .Q | . | . | . | V | . |
| 22.700 | 28.9066 | 6.22 | .Q | . | . | . | V | . |
| 22.717 | 28.9152 | 6.21 | .Q | . | . | . | V | . |
| 22.733 | 28.9237 | 6.20 | .Q | . | . | . | V | . |
| 22.750 | 28.9322 | 6.19 | .Q | . | . | . | V | . |
| 22.767 | 28.9408 | 6.18 | .Q | . | . | . | V | . |
| 22.783 | 28.9492 | 6.17 | .Q | . | . | . | V | . |
| 22.800 | 28.9577 | 6.16 | .Q | . | . | . | V | . |
| 22.817 | 28.9662 | 6.15 | .Q | . | . | . | V | . |
| 22.833 | 28.9747 | 6.14 | .Q | . | . | . | V | . |
| 22.850 | 28.9831 | 6.13 | .Q | . | . | . | V | . |
| 22.867 | 28.9915 | 6.12 | .Q | . | . | . | V | . |
| 22.883 | 29.0000 | 6.11 | .Q | . | . | . | V | . |
| 22.900 | 29.0084 | 6.10 | .Q | . | . | . | V | . |
| 22.917 | 29.0168 | 6.09 | .Q | . | . | . | V | . |
| 22.933 | 29.0251 | 6.08 | Q | . | . | . | V | . |
| 22.950 | 29.0335 | 6.07 | Q | . | . | . | V | . |
| 22.967 | 29.0418 | 6.06 | Q | . | . | . | V | . |
| 22.983 | 29.0502 | 6.06 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.000 | 29.0585 | 6.05 | Q | . | . | . | V. |
| 23.017 | 29.0668 | 6.04 | Q | . | . | . | V. |
| 23.033 | 29.0751 | 6.03 | Q | . | . | . | V. |
| 23.050 | 29.0834 | 6.02 | Q | . | . | . | V. |
| 23.067 | 29.0917 | 6.01 | Q | . | . | . | V. |
| 23.083 | 29.1000 | 6.00 | Q | . | . | . | V. |
| 23.100 | 29.1082 | 5.99 | Q | . | . | . | V. |
| 23.117 | 29.1165 | 5.98 | Q | . | . | . | V. |
| 23.133 | 29.1247 | 5.97 | Q | . | . | . | V. |
| 23.150 | 29.1329 | 5.96 | Q | . | . | . | V. |
| 23.167 | 29.1411 | 5.96 | Q | . | . | . | V. |
| 23.183 | 29.1493 | 5.95 | Q | . | . | . | V. |
| 23.200 | 29.1575 | 5.94 | Q | . | . | . | V. |
| 23.217 | 29.1656 | 5.93 | Q | . | . | . | V. |
| 23.233 | 29.1738 | 5.92 | Q | . | . | . | V. |
| 23.250 | 29.1819 | 5.91 | Q | . | . | . | V. |
| 23.267 | 29.1901 | 5.90 | Q | . | . | . | V. |
| 23.283 | 29.1982 | 5.89 | Q | . | . | . | V. |
| 23.300 | 29.2063 | 5.89 | Q | . | . | . | V. |
| 23.317 | 29.2144 | 5.88 | Q | . | . | . | V. |
| 23.333 | 29.2225 | 5.87 | Q | . | . | . | V. |
| 23.350 | 29.2305 | 5.86 | Q | . | . | . | V. |
| 23.367 | 29.2386 | 5.85 | Q | . | . | . | V. |
| 23.383 | 29.2466 | 5.84 | Q | . | . | . | V. |
| 23.400 | 29.2547 | 5.83 | Q | . | . | . | V. |
| 23.417 | 29.2627 | 5.83 | Q | . | . | . | V. |
| 23.433 | 29.2707 | 5.82 | Q | . | . | . | V. |
| 23.450 | 29.2787 | 5.81 | Q | . | . | . | V. |
| 23.467 | 29.2867 | 5.80 | Q | . | . | . | V. |
| 23.483 | 29.2947 | 5.79 | Q | . | . | . | V. |
| 23.500 | 29.3027 | 5.78 | Q | . | . | . | V. |
| 23.517 | 29.3106 | 5.78 | Q | . | . | . | V. |
| 23.533 | 29.3186 | 5.77 | Q | . | . | . | V. |
| 23.550 | 29.3265 | 5.76 | Q | . | . | . | V. |
| 23.567 | 29.3344 | 5.75 | Q | . | . | . | V. |
| 23.583 | 29.3423 | 5.74 | Q | . | . | . | V. |
| 23.600 | 29.3502 | 5.74 | Q | . | . | . | V. |
| 23.617 | 29.3581 | 5.73 | Q | . | . | . | V. |
| 23.633 | 29.3660 | 5.72 | Q | . | . | . | V. |
| 23.650 | 29.3739 | 5.71 | Q | . | . | . | V. |
| 23.667 | 29.3817 | 5.70 | Q | . | . | . | V. |
| 23.683 | 29.3896 | 5.70 | Q | . | . | . | V. |
| 23.700 | 29.3974 | 5.69 | Q | . | . | . | V. |
| 23.717 | 29.4052 | 5.68 | Q | . | . | . | V. |
| 23.733 | 29.4130 | 5.67 | Q | . | . | . | V. |
| 23.750 | 29.4208 | 5.66 | Q | . | . | . | V. |
| 23.767 | 29.4286 | 5.66 | Q | . | . | . | V. |
| 23.783 | 29.4364 | 5.65 | Q | . | . | . | V. |
| 23.800 | 29.4442 | 5.64 | Q | . | . | . | V. |
| 23.817 | 29.4519 | 5.63 | Q | . | . | . | V. |
| 23.833 | 29.4597 | 5.63 | Q | . | . | . | V. |
| 23.850 | 29.4674 | 5.62 | Q | . | . | . | V. |
| 23.867 | 29.4752 | 5.61 | Q | . | . | . | V. |
| 23.883 | 29.4829 | 5.60 | Q | . | . | . | V. |
| 23.900 | 29.4906 | 5.60 | Q | . | . | . | V. |
| 23.917 | 29.4983 | 5.59 | Q | . | . | . | V. |
| 23.933 | 29.5060 | 5.58 | Q | . | . | . | V. |
| 23.950 | 29.5136 | 5.57 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.967 | 29.5213 | 5.57 | Q | . | . | . | V. |
| 23.983 | 29.5290 | 5.56 | Q | . | . | . | V. |
| 24.000 | 29.5366 | 5.55 | 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% | 815.0 |
| 20% | 225.0 |
| 30% | 145.0 |
| 40% | 125.0 |
| 50% | 105.0 |
| 60% | 85.0 |
| 70% | 60.0 |
| 80% | 40.0 |
| 90% | 20.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-3 SUBAREA A *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 5-YR EV MARCH 2019 CCHIUI *

FILE NAME: 3A05EVS.DAT
TIME/DATE OF STUDY: 14:58 03/13/2019

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 100.00 TO NODE 130.00 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) = 510.20
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.217
LOW LOSS FRACTION = 0.414
TIME OF CONCENTRATION (MIN.) = 15.30
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.18
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.41
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.55
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.92
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.27
24-HOUR POINT RAINFALL VALUE (INCHES) = 2.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 49.76

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 40.38

=====

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. | 110.6 | 221.1 | 331.7 | 442.2 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 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 | 0.0001 | 0.10 | Q | . | . | . | . |
| 0.217 | 0.0010 | 0.64 | Q | . | . | . | . |
| 0.233 | 0.0027 | 1.22 | Q | . | . | . | . |
| 0.250 | 0.0052 | 1.80 | Q | . | . | . | . |
| 0.267 | 0.0085 | 2.38 | Q | . | . | . | . |
| 0.283 | 0.0125 | 2.96 | Q | . | . | . | . |
| 0.300 | 0.0174 | 3.54 | Q | . | . | . | . |
| 0.317 | 0.0231 | 4.12 | Q | . | . | . | . |
| 0.333 | 0.0296 | 4.70 | Q | . | . | . | . |
| 0.350 | 0.0368 | 5.28 | Q | . | . | . | . |
| 0.367 | 0.0449 | 5.86 | Q | . | . | . | . |
| 0.383 | 0.0538 | 6.44 | Q | . | . | . | . |
| 0.400 | 0.0635 | 7.02 | Q | . | . | . | . |
| 0.417 | 0.0739 | 7.60 | Q | . | . | . | . |
| 0.433 | 0.0852 | 8.19 | Q | . | . | . | . |
| 0.450 | 0.0973 | 8.74 | Q | . | . | . | . |
| 0.467 | 0.1095 | 8.89 | Q | . | . | . | . |
| 0.483 | 0.1217 | 8.89 | Q | . | . | . | . |
| 0.500 | 0.1340 | 8.89 | Q | . | . | . | . |
| 0.517 | 0.1462 | 8.90 | Q | . | . | . | . |
| 0.533 | 0.1585 | 8.90 | Q | . | . | . | . |
| 0.550 | 0.1708 | 8.91 | Q | . | . | . | . |
| 0.567 | 0.1830 | 8.91 | Q | . | . | . | . |
| 0.583 | 0.1953 | 8.91 | Q | . | . | . | . |
| 0.600 | 0.2076 | 8.92 | Q | . | . | . | . |
| 0.617 | 0.2199 | 8.92 | Q | . | . | . | . |
| 0.633 | 0.2322 | 8.93 | Q | . | . | . | . |
| 0.650 | 0.2445 | 8.93 | Q | . | . | . | . |
| 0.667 | 0.2568 | 8.93 | Q | . | . | . | . |
| 0.683 | 0.2691 | 8.94 | Q | . | . | . | . |
| 0.700 | 0.2814 | 8.94 | Q | . | . | . | . |
| 0.717 | 0.2937 | 8.95 | Q | . | . | . | . |
| 0.733 | 0.3061 | 8.96 | Q | . | . | . | . |
| 0.750 | 0.3184 | 8.96 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|---|---|---|---|---|
| 0.767 | 0.3308 | 8.97 | Q | . | . | . | . |
| 0.783 | 0.3431 | 8.98 | Q | . | . | . | . |
| 0.800 | 0.3555 | 8.99 | Q | . | . | . | . |
| 0.817 | 0.3679 | 9.00 | Q | . | . | . | . |
| 0.833 | 0.3803 | 9.00 | Q | . | . | . | . |
| 0.850 | 0.3927 | 9.01 | Q | . | . | . | . |
| 0.867 | 0.4052 | 9.02 | Q | . | . | . | . |
| 0.883 | 0.4176 | 9.03 | Q | . | . | . | . |
| 0.900 | 0.4300 | 9.04 | Q | . | . | . | . |
| 0.917 | 0.4425 | 9.05 | Q | . | . | . | . |
| 0.933 | 0.4550 | 9.05 | Q | . | . | . | . |
| 0.950 | 0.4675 | 9.06 | Q | . | . | . | . |
| 0.967 | 0.4800 | 9.07 | Q | . | . | . | . |
| 0.983 | 0.4924 | 9.07 | Q | . | . | . | . |
| 1.000 | 0.5050 | 9.08 | Q | . | . | . | . |
| 1.017 | 0.5175 | 9.08 | Q | . | . | . | . |
| 1.033 | 0.5300 | 9.09 | Q | . | . | . | . |
| 1.050 | 0.5425 | 9.09 | Q | . | . | . | . |
| 1.067 | 0.5550 | 9.09 | Q | . | . | . | . |
| 1.083 | 0.5676 | 9.10 | Q | . | . | . | . |
| 1.100 | 0.5801 | 9.10 | Q | . | . | . | . |
| 1.117 | 0.5926 | 9.11 | Q | . | . | . | . |
| 1.133 | 0.6052 | 9.11 | Q | . | . | . | . |
| 1.150 | 0.6177 | 9.12 | Q | . | . | . | . |
| 1.167 | 0.6303 | 9.12 | Q | . | . | . | . |
| 1.183 | 0.6429 | 9.12 | Q | . | . | . | . |
| 1.200 | 0.6555 | 9.13 | Q | . | . | . | . |
| 1.217 | 0.6680 | 9.13 | Q | . | . | . | . |
| 1.233 | 0.6806 | 9.14 | Q | . | . | . | . |
| 1.250 | 0.6932 | 9.15 | Q | . | . | . | . |
| 1.267 | 0.7058 | 9.16 | Q | . | . | . | . |
| 1.283 | 0.7185 | 9.17 | Q | . | . | . | . |
| 1.300 | 0.7311 | 9.18 | Q | . | . | . | . |
| 1.317 | 0.7438 | 9.18 | Q | . | . | . | . |
| 1.333 | 0.7564 | 9.19 | Q | . | . | . | . |
| 1.350 | 0.7691 | 9.20 | Q | . | . | . | . |
| 1.367 | 0.7818 | 9.21 | Q | . | . | . | . |
| 1.383 | 0.7945 | 9.22 | Q | . | . | . | . |
| 1.400 | 0.8072 | 9.23 | Q | . | . | . | . |
| 1.417 | 0.8199 | 9.24 | Q | . | . | . | . |
| 1.433 | 0.8326 | 9.24 | Q | . | . | . | . |
| 1.450 | 0.8454 | 9.25 | Q | . | . | . | . |
| 1.467 | 0.8581 | 9.26 | Q | . | . | . | . |
| 1.483 | 0.8709 | 9.27 | Q | . | . | . | . |
| 1.500 | 0.8837 | 9.27 | Q | . | . | . | . |
| 1.517 | 0.8965 | 9.28 | Q | . | . | . | . |
| 1.533 | 0.9092 | 9.28 | Q | . | . | . | . |
| 1.550 | 0.9220 | 9.29 | Q | . | . | . | . |
| 1.567 | 0.9348 | 9.29 | Q | . | . | . | . |
| 1.583 | 0.9476 | 9.29 | Q | . | . | . | . |
| 1.600 | 0.9604 | 9.30 | Q | . | . | . | . |
| 1.617 | 0.9733 | 9.30 | Q | . | . | . | . |
| 1.633 | 0.9861 | 9.31 | Q | . | . | . | . |
| 1.650 | 0.9989 | 9.31 | Q | . | . | . | . |
| 1.667 | 1.0117 | 9.32 | Q | . | . | . | . |
| 1.683 | 1.0246 | 9.32 | Q | . | . | . | . |
| 1.700 | 1.0374 | 9.33 | Q | . | . | . | . |
| 1.717 | 1.0503 | 9.33 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 1.0631 | 9.34 | Q | . | . | . | . |
| 1.750 | 1.0760 | 9.35 | Q | . | . | . | . |
| 1.767 | 1.0889 | 9.35 | Q | . | . | . | . |
| 1.783 | 1.1018 | 9.36 | Q | . | . | . | . |
| 1.800 | 1.1147 | 9.37 | Q | . | . | . | . |
| 1.817 | 1.1276 | 9.38 | Q | . | . | . | . |
| 1.833 | 1.1406 | 9.39 | Q | . | . | . | . |
| 1.850 | 1.1535 | 9.40 | Q | . | . | . | . |
| 1.867 | 1.1665 | 9.41 | Q | . | . | . | . |
| 1.883 | 1.1794 | 9.42 | Q | . | . | . | . |
| 1.900 | 1.1924 | 9.43 | Q | . | . | . | . |
| 1.917 | 1.2054 | 9.44 | Q | . | . | . | . |
| 1.933 | 1.2184 | 9.45 | Q | . | . | . | . |
| 1.950 | 1.2315 | 9.46 | Q | . | . | . | . |
| 1.967 | 1.2445 | 9.46 | QV | . | . | . | . |
| 1.983 | 1.2575 | 9.47 | QV | . | . | . | . |
| 2.000 | 1.2706 | 9.48 | QV | . | . | . | . |
| 2.017 | 1.2837 | 9.48 | QV | . | . | . | . |
| 2.033 | 1.2967 | 9.49 | QV | . | . | . | . |
| 2.050 | 1.3098 | 9.49 | QV | . | . | . | . |
| 2.067 | 1.3229 | 9.50 | QV | . | . | . | . |
| 2.083 | 1.3360 | 9.50 | QV | . | . | . | . |
| 2.100 | 1.3491 | 9.51 | QV | . | . | . | . |
| 2.117 | 1.3622 | 9.51 | QV | . | . | . | . |
| 2.133 | 1.3753 | 9.52 | QV | . | . | . | . |
| 2.150 | 1.3884 | 9.52 | QV | . | . | . | . |
| 2.167 | 1.4015 | 9.53 | QV | . | . | . | . |
| 2.183 | 1.4147 | 9.53 | QV | . | . | . | . |
| 2.200 | 1.4278 | 9.54 | QV | . | . | . | . |
| 2.217 | 1.4409 | 9.54 | QV | . | . | . | . |
| 2.233 | 1.4541 | 9.55 | QV | . | . | . | . |
| 2.250 | 1.4672 | 9.55 | QV | . | . | . | . |
| 2.267 | 1.4804 | 9.56 | QV | . | . | . | . |
| 2.283 | 1.4936 | 9.57 | QV | . | . | . | . |
| 2.300 | 1.5068 | 9.58 | QV | . | . | . | . |
| 2.317 | 1.5200 | 9.59 | QV | . | . | . | . |
| 2.333 | 1.5332 | 9.60 | QV | . | . | . | . |
| 2.350 | 1.5465 | 9.61 | QV | . | . | . | . |
| 2.367 | 1.5597 | 9.62 | QV | . | . | . | . |
| 2.383 | 1.5730 | 9.63 | QV | . | . | . | . |
| 2.400 | 1.5863 | 9.64 | QV | . | . | . | . |
| 2.417 | 1.5996 | 9.65 | QV | . | . | . | . |
| 2.433 | 1.6129 | 9.66 | QV | . | . | . | . |
| 2.450 | 1.6262 | 9.67 | QV | . | . | . | . |
| 2.467 | 1.6395 | 9.68 | QV | . | . | . | . |
| 2.483 | 1.6529 | 9.69 | QV | . | . | . | . |
| 2.500 | 1.6662 | 9.70 | QV | . | . | . | . |
| 2.517 | 1.6796 | 9.70 | QV | . | . | . | . |
| 2.533 | 1.6930 | 9.71 | QV | . | . | . | . |
| 2.550 | 1.7063 | 9.71 | QV | . | . | . | . |
| 2.567 | 1.7197 | 9.72 | QV | . | . | . | . |
| 2.583 | 1.7331 | 9.72 | QV | . | . | . | . |
| 2.600 | 1.7465 | 9.73 | QV | . | . | . | . |
| 2.617 | 1.7599 | 9.73 | QV | . | . | . | . |
| 2.633 | 1.7733 | 9.74 | QV | . | . | . | . |
| 2.650 | 1.7867 | 9.74 | QV | . | . | . | . |
| 2.667 | 1.8002 | 9.75 | QV | . | . | . | . |
| 2.683 | 1.8136 | 9.75 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 2.700 | 1.8270 | 9.76 | QV | . | . | . | . |
| 2.717 | 1.8405 | 9.76 | QV | . | . | . | . |
| 2.733 | 1.8539 | 9.77 | QV | . | . | . | . |
| 2.750 | 1.8674 | 9.77 | QV | . | . | . | . |
| 2.767 | 1.8809 | 9.78 | QV | . | . | . | . |
| 2.783 | 1.8944 | 9.79 | QV | . | . | . | . |
| 2.800 | 1.9079 | 9.80 | QV | . | . | . | . |
| 2.817 | 1.9214 | 9.81 | QV | . | . | . | . |
| 2.833 | 1.9349 | 9.82 | QV | . | . | . | . |
| 2.850 | 1.9485 | 9.83 | QV | . | . | . | . |
| 2.867 | 1.9620 | 9.85 | QV | . | . | . | . |
| 2.883 | 1.9756 | 9.86 | QV | . | . | . | . |
| 2.900 | 1.9892 | 9.87 | QV | . | . | . | . |
| 2.917 | 2.0028 | 9.88 | QV | . | . | . | . |
| 2.933 | 2.0164 | 9.89 | QV | . | . | . | . |
| 2.950 | 2.0300 | 9.90 | QV | . | . | . | . |
| 2.967 | 2.0437 | 9.91 | QV | . | . | . | . |
| 2.983 | 2.0574 | 9.92 | QV | . | . | . | . |
| 3.000 | 2.0710 | 9.93 | QV | . | . | . | . |
| 3.017 | 2.0847 | 9.93 | QV | . | . | . | . |
| 3.033 | 2.0984 | 9.94 | QV | . | . | . | . |
| 3.050 | 2.1121 | 9.95 | QV | . | . | . | . |
| 3.067 | 2.1258 | 9.95 | QV | . | . | . | . |
| 3.083 | 2.1395 | 9.96 | QV | . | . | . | . |
| 3.100 | 2.1532 | 9.96 | QV | . | . | . | . |
| 3.117 | 2.1670 | 9.97 | QV | . | . | . | . |
| 3.133 | 2.1807 | 9.97 | QV | . | . | . | . |
| 3.150 | 2.1944 | 9.98 | QV | . | . | . | . |
| 3.167 | 2.2082 | 9.98 | QV | . | . | . | . |
| 3.183 | 2.2220 | 9.99 | QV | . | . | . | . |
| 3.200 | 2.2357 | 9.99 | QV | . | . | . | . |
| 3.217 | 2.2495 | 10.00 | QV | . | . | . | . |
| 3.233 | 2.2633 | 10.00 | QV | . | . | . | . |
| 3.250 | 2.2771 | 10.01 | QV | . | . | . | . |
| 3.267 | 2.2909 | 10.02 | QV | . | . | . | . |
| 3.283 | 2.3047 | 10.03 | QV | . | . | . | . |
| 3.300 | 2.3185 | 10.04 | QV | . | . | . | . |
| 3.317 | 2.3323 | 10.05 | QV | . | . | . | . |
| 3.333 | 2.3462 | 10.06 | QV | . | . | . | . |
| 3.350 | 2.3601 | 10.07 | QV | . | . | . | . |
| 3.367 | 2.3740 | 10.08 | QV | . | . | . | . |
| 3.383 | 2.3879 | 10.09 | QV | . | . | . | . |
| 3.400 | 2.4018 | 10.11 | QV | . | . | . | . |
| 3.417 | 2.4157 | 10.12 | QV | . | . | . | . |
| 3.433 | 2.4297 | 10.13 | QV | . | . | . | . |
| 3.450 | 2.4436 | 10.14 | QV | . | . | . | . |
| 3.467 | 2.4576 | 10.15 | QV | . | . | . | . |
| 3.483 | 2.4716 | 10.16 | QV | . | . | . | . |
| 3.500 | 2.4856 | 10.17 | QV | . | . | . | . |
| 3.517 | 2.4996 | 10.18 | Q V | . | . | . | . |
| 3.533 | 2.5137 | 10.19 | Q V | . | . | . | . |
| 3.550 | 2.5277 | 10.19 | Q V | . | . | . | . |
| 3.567 | 2.5418 | 10.20 | Q V | . | . | . | . |
| 3.583 | 2.5558 | 10.20 | Q V | . | . | . | . |
| 3.600 | 2.5699 | 10.21 | Q V | . | . | . | . |
| 3.617 | 2.5840 | 10.22 | Q V | . | . | . | . |
| 3.633 | 2.5980 | 10.22 | Q V | . | . | . | . |
| 3.650 | 2.6121 | 10.23 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 3.667 | 2.6262 | 10.23 | Q V | . | . | . | . |
| 3.683 | 2.6403 | 10.24 | Q V | . | . | . | . |
| 3.700 | 2.6544 | 10.24 | Q V | . | . | . | . |
| 3.717 | 2.6685 | 10.25 | Q V | . | . | . | . |
| 3.733 | 2.6827 | 10.26 | Q V | . | . | . | . |
| 3.750 | 2.6968 | 10.26 | Q V | . | . | . | . |
| 3.767 | 2.7109 | 10.27 | Q V | . | . | . | . |
| 3.783 | 2.7251 | 10.28 | Q V | . | . | . | . |
| 3.800 | 2.7393 | 10.29 | Q V | . | . | . | . |
| 3.817 | 2.7535 | 10.30 | Q V | . | . | . | . |
| 3.833 | 2.7677 | 10.31 | Q V | . | . | . | . |
| 3.850 | 2.7819 | 10.32 | Q V | . | . | . | . |
| 3.867 | 2.7961 | 10.34 | Q V | . | . | . | . |
| 3.883 | 2.8104 | 10.35 | Q V | . | . | . | . |
| 3.900 | 2.8247 | 10.36 | Q V | . | . | . | . |
| 3.917 | 2.8389 | 10.37 | Q V | . | . | . | . |
| 3.933 | 2.8532 | 10.38 | Q V | . | . | . | . |
| 3.950 | 2.8676 | 10.40 | Q V | . | . | . | . |
| 3.967 | 2.8819 | 10.41 | Q V | . | . | . | . |
| 3.983 | 2.8962 | 10.42 | Q V | . | . | . | . |
| 4.000 | 2.9106 | 10.43 | Q V | . | . | . | . |
| 4.017 | 2.9250 | 10.44 | Q V | . | . | . | . |
| 4.033 | 2.9394 | 10.45 | Q V | . | . | . | . |
| 4.050 | 2.9538 | 10.46 | Q V | . | . | . | . |
| 4.067 | 2.9682 | 10.46 | Q V | . | . | . | . |
| 4.083 | 2.9826 | 10.47 | Q V | . | . | . | . |
| 4.100 | 2.9971 | 10.48 | Q V | . | . | . | . |
| 4.117 | 3.0115 | 10.48 | Q V | . | . | . | . |
| 4.133 | 3.0259 | 10.49 | Q V | . | . | . | . |
| 4.150 | 3.0404 | 10.49 | Q V | . | . | . | . |
| 4.167 | 3.0549 | 10.50 | Q V | . | . | . | . |
| 4.183 | 3.0693 | 10.51 | Q V | . | . | . | . |
| 4.200 | 3.0838 | 10.51 | Q V | . | . | . | . |
| 4.217 | 3.0983 | 10.52 | Q V | . | . | . | . |
| 4.233 | 3.1128 | 10.52 | Q V | . | . | . | . |
| 4.250 | 3.1273 | 10.53 | Q V | . | . | . | . |
| 4.267 | 3.1418 | 10.54 | Q V | . | . | . | . |
| 4.283 | 3.1563 | 10.54 | Q V | . | . | . | . |
| 4.300 | 3.1709 | 10.56 | Q V | . | . | . | . |
| 4.317 | 3.1854 | 10.57 | Q V | . | . | . | . |
| 4.333 | 3.2000 | 10.58 | Q V | . | . | . | . |
| 4.350 | 3.2146 | 10.59 | Q V | . | . | . | . |
| 4.367 | 3.2292 | 10.61 | Q V | . | . | . | . |
| 4.383 | 3.2438 | 10.62 | Q V | . | . | . | . |
| 4.400 | 3.2585 | 10.63 | Q V | . | . | . | . |
| 4.417 | 3.2731 | 10.65 | Q V | . | . | . | . |
| 4.433 | 3.2878 | 10.66 | Q V | . | . | . | . |
| 4.450 | 3.3025 | 10.67 | Q V | . | . | . | . |
| 4.467 | 3.3172 | 10.68 | Q V | . | . | . | . |
| 4.483 | 3.3320 | 10.70 | Q V | . | . | . | . |
| 4.500 | 3.3467 | 10.71 | Q V | . | . | . | . |
| 4.517 | 3.3615 | 10.72 | Q V | . | . | . | . |
| 4.533 | 3.3763 | 10.73 | Q V | . | . | . | . |
| 4.550 | 3.3911 | 10.74 | Q V | . | . | . | . |
| 4.567 | 3.4059 | 10.75 | Q V | . | . | . | . |
| 4.583 | 3.4207 | 10.75 | Q V | . | . | . | . |
| 4.600 | 3.4355 | 10.76 | Q V | . | . | . | . |
| 4.617 | 3.4503 | 10.77 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 4.633 | 3.4652 | 10.77 | Q V | . | . | . | . |
| 4.650 | 3.4800 | 10.78 | Q V | . | . | . | . |
| 4.667 | 3.4949 | 10.79 | Q V | . | . | . | . |
| 4.683 | 3.5097 | 10.79 | Q V | . | . | . | . |
| 4.700 | 3.5246 | 10.80 | Q V | . | . | . | . |
| 4.717 | 3.5395 | 10.81 | Q V | . | . | . | . |
| 4.733 | 3.5544 | 10.81 | Q V | . | . | . | . |
| 4.750 | 3.5693 | 10.82 | Q V | . | . | . | . |
| 4.767 | 3.5842 | 10.82 | Q V | . | . | . | . |
| 4.783 | 3.5991 | 10.83 | Q V | . | . | . | . |
| 4.800 | 3.6141 | 10.84 | Q V | . | . | . | . |
| 4.817 | 3.6290 | 10.86 | Q V | . | . | . | . |
| 4.833 | 3.6440 | 10.87 | Q V | . | . | . | . |
| 4.850 | 3.6590 | 10.88 | Q V | . | . | . | . |
| 4.867 | 3.6740 | 10.90 | Q V | . | . | . | . |
| 4.883 | 3.6890 | 10.91 | Q V | . | . | . | . |
| 4.900 | 3.7041 | 10.92 | Q V | . | . | . | . |
| 4.917 | 3.7191 | 10.94 | Q V | . | . | . | . |
| 4.933 | 3.7342 | 10.95 | Q V | . | . | . | . |
| 4.950 | 3.7493 | 10.97 | Q V | . | . | . | . |
| 4.967 | 3.7644 | 10.98 | Q V | . | . | . | . |
| 4.983 | 3.7796 | 10.99 | Q V | . | . | . | . |
| 5.000 | 3.7947 | 11.01 | Q V | . | . | . | . |
| 5.017 | 3.8099 | 11.02 | Q V | . | . | . | . |
| 5.033 | 3.8251 | 11.03 | Q V | . | . | . | . |
| 5.050 | 3.8403 | 11.04 | Q V | . | . | . | . |
| 5.067 | 3.8555 | 11.05 | Q V | . | . | . | . |
| 5.083 | 3.8708 | 11.06 | .Q V | . | . | . | . |
| 5.100 | 3.8860 | 11.06 | .Q V | . | . | . | . |
| 5.117 | 3.9013 | 11.07 | .Q V | . | . | . | . |
| 5.133 | 3.9165 | 11.08 | .Q V | . | . | . | . |
| 5.150 | 3.9318 | 11.09 | .Q V | . | . | . | . |
| 5.167 | 3.9471 | 11.09 | .Q V | . | . | . | . |
| 5.183 | 3.9624 | 11.10 | .Q V | . | . | . | . |
| 5.200 | 3.9777 | 11.11 | .Q V | . | . | . | . |
| 5.217 | 3.9930 | 11.11 | .Q V | . | . | . | . |
| 5.233 | 4.0083 | 11.12 | .Q V | . | . | . | . |
| 5.250 | 4.0236 | 11.13 | .Q V | . | . | . | . |
| 5.267 | 4.0390 | 11.13 | .Q V | . | . | . | . |
| 5.283 | 4.0543 | 11.14 | .Q V | . | . | . | . |
| 5.300 | 4.0697 | 11.15 | .Q V | . | . | . | . |
| 5.317 | 4.0850 | 11.16 | .Q V | . | . | . | . |
| 5.333 | 4.1004 | 11.18 | .Q V | . | . | . | . |
| 5.350 | 4.1159 | 11.19 | .Q V | . | . | . | . |
| 5.367 | 4.1313 | 11.21 | .Q V | . | . | . | . |
| 5.383 | 4.1468 | 11.22 | .Q V | . | . | . | . |
| 5.400 | 4.1622 | 11.24 | .Q V | . | . | . | . |
| 5.417 | 4.1777 | 11.25 | .Q V | . | . | . | . |
| 5.433 | 4.1932 | 11.27 | .Q V | . | . | . | . |
| 5.450 | 4.2088 | 11.28 | .Q V | . | . | . | . |
| 5.467 | 4.2243 | 11.30 | .Q V | . | . | . | . |
| 5.483 | 4.2399 | 11.31 | .Q V | . | . | . | . |
| 5.500 | 4.2555 | 11.33 | .Q V | . | . | . | . |
| 5.517 | 4.2711 | 11.34 | .Q V | . | . | . | . |
| 5.533 | 4.2868 | 11.35 | .Q V | . | . | . | . |
| 5.550 | 4.3024 | 11.37 | .Q V | . | . | . | . |
| 5.567 | 4.3181 | 11.38 | .Q V | . | . | . | . |
| 5.583 | 4.3338 | 11.39 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 5.600 | 4.3495 | 11.39 | .Q | V | . | . | . | . |
| 5.617 | 4.3652 | 11.40 | .Q | V | . | . | . | . |
| 5.633 | 4.3809 | 11.41 | .Q | V | . | . | . | . |
| 5.650 | 4.3966 | 11.42 | .Q | V | . | . | . | . |
| 5.667 | 4.4124 | 11.42 | .Q | V | . | . | . | . |
| 5.683 | 4.4281 | 11.43 | .Q | V | . | . | . | . |
| 5.700 | 4.4439 | 11.44 | .Q | V | . | . | . | . |
| 5.717 | 4.4596 | 11.45 | .Q | V | . | . | . | . |
| 5.733 | 4.4754 | 11.45 | .Q | V | . | . | . | . |
| 5.750 | 4.4912 | 11.46 | .Q | V | . | . | . | . |
| 5.767 | 4.5070 | 11.47 | .Q | V | . | . | . | . |
| 5.783 | 4.5228 | 11.48 | .Q | V | . | . | . | . |
| 5.800 | 4.5386 | 11.48 | .Q | V | . | . | . | . |
| 5.817 | 4.5545 | 11.50 | .Q | V | . | . | . | . |
| 5.833 | 4.5703 | 11.51 | .Q | V | . | . | . | . |
| 5.850 | 4.5862 | 11.53 | .Q | V | . | . | . | . |
| 5.867 | 4.6021 | 11.54 | .Q | V | . | . | . | . |
| 5.883 | 4.6180 | 11.56 | .Q | V | . | . | . | . |
| 5.900 | 4.6340 | 11.58 | .Q | V | . | . | . | . |
| 5.917 | 4.6499 | 11.59 | .Q | V | . | . | . | . |
| 5.933 | 4.6659 | 11.61 | .Q | V | . | . | . | . |
| 5.950 | 4.6819 | 11.62 | .Q | V | . | . | . | . |
| 5.967 | 4.6980 | 11.64 | .Q | V | . | . | . | . |
| 5.983 | 4.7140 | 11.65 | .Q | V | . | . | . | . |
| 6.000 | 4.7301 | 11.67 | .Q | V | . | . | . | . |
| 6.017 | 4.7462 | 11.69 | .Q | V | . | . | . | . |
| 6.033 | 4.7623 | 11.70 | .Q | V | . | . | . | . |
| 6.050 | 4.7784 | 11.72 | .Q | V | . | . | . | . |
| 6.067 | 4.7946 | 11.73 | .Q | V | . | . | . | . |
| 6.083 | 4.8108 | 11.74 | .Q | V | . | . | . | . |
| 6.100 | 4.8270 | 11.75 | .Q | V | . | . | . | . |
| 6.117 | 4.8431 | 11.76 | .Q | V | . | . | . | . |
| 6.133 | 4.8594 | 11.76 | .Q | V | . | . | . | . |
| 6.150 | 4.8756 | 11.77 | .Q | V | . | . | . | . |
| 6.167 | 4.8918 | 11.78 | .Q | V | . | . | . | . |
| 6.183 | 4.9080 | 11.79 | .Q | V | . | . | . | . |
| 6.200 | 4.9243 | 11.80 | .Q | V | . | . | . | . |
| 6.217 | 4.9405 | 11.81 | .Q | V | . | . | . | . |
| 6.233 | 4.9568 | 11.81 | .Q | V | . | . | . | . |
| 6.250 | 4.9731 | 11.82 | .Q | V | . | . | . | . |
| 6.267 | 4.9894 | 11.83 | .Q | V | . | . | . | . |
| 6.283 | 5.0057 | 11.84 | .Q | V | . | . | . | . |
| 6.300 | 5.0220 | 11.85 | .Q | V | . | . | . | . |
| 6.317 | 5.0384 | 11.86 | .Q | V | . | . | . | . |
| 6.333 | 5.0547 | 11.87 | .Q | V | . | . | . | . |
| 6.350 | 5.0711 | 11.89 | .Q | V | . | . | . | . |
| 6.367 | 5.0875 | 11.91 | .Q | V | . | . | . | . |
| 6.383 | 5.1039 | 11.92 | .Q | V | . | . | . | . |
| 6.400 | 5.1204 | 11.94 | .Q | V | . | . | . | . |
| 6.417 | 5.1368 | 11.96 | .Q | V | . | . | . | . |
| 6.433 | 5.1533 | 11.97 | .Q | V | . | . | . | . |
| 6.450 | 5.1698 | 11.99 | .Q | V | . | . | . | . |
| 6.467 | 5.1864 | 12.01 | .Q | V | . | . | . | . |
| 6.483 | 5.2029 | 12.03 | .Q | V | . | . | . | . |
| 6.500 | 5.2195 | 12.04 | .Q | V | . | . | . | . |
| 6.517 | 5.2361 | 12.06 | .Q | V | . | . | . | . |
| 6.533 | 5.2528 | 12.08 | .Q | V | . | . | . | . |
| 6.550 | 5.2694 | 12.10 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 6.567 | 5.2861 | 12.11 | .Q | V | . | . | . | . |
| 6.583 | 5.3028 | 12.12 | .Q | V | . | . | . | . |
| 6.600 | 5.3195 | 12.13 | .Q | V | . | . | . | . |
| 6.617 | 5.3363 | 12.14 | .Q | V | . | . | . | . |
| 6.633 | 5.3530 | 12.15 | .Q | V | . | . | . | . |
| 6.650 | 5.3698 | 12.16 | .Q | V | . | . | . | . |
| 6.667 | 5.3865 | 12.17 | .Q | V | . | . | . | . |
| 6.683 | 5.4033 | 12.18 | .Q | V | . | . | . | . |
| 6.700 | 5.4201 | 12.19 | .Q | V | . | . | . | . |
| 6.717 | 5.4369 | 12.20 | .Q | V | . | . | . | . |
| 6.733 | 5.4537 | 12.21 | .Q | V | . | . | . | . |
| 6.750 | 5.4705 | 12.21 | .Q | V | . | . | . | . |
| 6.767 | 5.4873 | 12.22 | .Q | V | . | . | . | . |
| 6.783 | 5.5042 | 12.23 | .Q | V | . | . | . | . |
| 6.800 | 5.5211 | 12.24 | .Q | V | . | . | . | . |
| 6.817 | 5.5379 | 12.25 | .Q | V | . | . | . | . |
| 6.833 | 5.5548 | 12.26 | .Q | V | . | . | . | . |
| 6.850 | 5.5717 | 12.28 | .Q | V | . | . | . | . |
| 6.867 | 5.5887 | 12.30 | .Q | V | . | . | . | . |
| 6.883 | 5.6056 | 12.32 | .Q | V | . | . | . | . |
| 6.900 | 5.6226 | 12.34 | .Q | V | . | . | . | . |
| 6.917 | 5.6397 | 12.36 | .Q | V | . | . | . | . |
| 6.933 | 5.6567 | 12.37 | .Q | V | . | . | . | . |
| 6.950 | 5.6738 | 12.39 | .Q | V | . | . | . | . |
| 6.967 | 5.6909 | 12.41 | .Q | V | . | . | . | . |
| 6.983 | 5.7080 | 12.43 | .Q | V | . | . | . | . |
| 7.000 | 5.7251 | 12.45 | .Q | V | . | . | . | . |
| 7.017 | 5.7423 | 12.47 | .Q | V | . | . | . | . |
| 7.033 | 5.7595 | 12.49 | .Q | V | . | . | . | . |
| 7.050 | 5.7767 | 12.51 | .Q | V | . | . | . | . |
| 7.067 | 5.7940 | 12.52 | .Q | V | . | . | . | . |
| 7.083 | 5.8113 | 12.54 | .Q | V | . | . | . | . |
| 7.100 | 5.8286 | 12.55 | .Q | V | . | . | . | . |
| 7.117 | 5.8459 | 12.56 | .Q | V | . | . | . | . |
| 7.133 | 5.8632 | 12.57 | .Q | V | . | . | . | . |
| 7.150 | 5.8805 | 12.58 | .Q | V | . | . | . | . |
| 7.167 | 5.8978 | 12.59 | .Q | V | . | . | . | . |
| 7.183 | 5.9152 | 12.60 | .Q | V | . | . | . | . |
| 7.200 | 5.9326 | 12.61 | .Q | V | . | . | . | . |
| 7.217 | 5.9500 | 12.62 | .Q | V | . | . | . | . |
| 7.233 | 5.9674 | 12.63 | .Q | V | . | . | . | . |
| 7.250 | 5.9848 | 12.64 | .Q | V | . | . | . | . |
| 7.267 | 6.0022 | 12.65 | .Q | V | . | . | . | . |
| 7.283 | 6.0196 | 12.66 | .Q | V | . | . | . | . |
| 7.300 | 6.0371 | 12.67 | .Q | V | . | . | . | . |
| 7.317 | 6.0546 | 12.68 | .Q | V | . | . | . | . |
| 7.333 | 6.0720 | 12.69 | .Q | V | . | . | . | . |
| 7.350 | 6.0895 | 12.71 | .Q | V | . | . | . | . |
| 7.367 | 6.1071 | 12.73 | .Q | V | . | . | . | . |
| 7.383 | 6.1246 | 12.75 | .Q | V | . | . | . | . |
| 7.400 | 6.1422 | 12.77 | .Q | V | . | . | . | . |
| 7.417 | 6.1598 | 12.79 | .Q | V | . | . | . | . |
| 7.433 | 6.1775 | 12.81 | .Q | V | . | . | . | . |
| 7.450 | 6.1952 | 12.83 | .Q | V | . | . | . | . |
| 7.467 | 6.2129 | 12.85 | .Q | V | . | . | . | . |
| 7.483 | 6.2306 | 12.87 | .Q | V | . | . | . | . |
| 7.500 | 6.2484 | 12.89 | .Q | V | . | . | . | . |
| 7.517 | 6.2661 | 12.91 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 7.533 | 6.2840 | 12.93 | .Q | V | . | . | . | . |
| 7.550 | 6.3018 | 12.95 | .Q | V | . | . | . | . |
| 7.567 | 6.3197 | 12.98 | .Q | V | . | . | . | . |
| 7.583 | 6.3376 | 13.00 | .Q | V | . | . | . | . |
| 7.600 | 6.3555 | 13.01 | .Q | V | . | . | . | . |
| 7.617 | 6.3734 | 13.02 | .Q | V | . | . | . | . |
| 7.633 | 6.3914 | 13.03 | .Q | V | . | . | . | . |
| 7.650 | 6.4094 | 13.04 | .Q | V | . | . | . | . |
| 7.667 | 6.4273 | 13.06 | .Q | V | . | . | . | . |
| 7.683 | 6.4453 | 13.07 | .Q | V | . | . | . | . |
| 7.700 | 6.4633 | 13.08 | .Q | V | . | . | . | . |
| 7.717 | 6.4814 | 13.09 | .Q | V | . | . | . | . |
| 7.733 | 6.4994 | 13.10 | .Q | V | . | . | . | . |
| 7.750 | 6.5175 | 13.11 | .Q | V | . | . | . | . |
| 7.767 | 6.5355 | 13.12 | .Q | V | . | . | . | . |
| 7.783 | 6.5536 | 13.13 | .Q | V | . | . | . | . |
| 7.800 | 6.5717 | 13.14 | .Q | V | . | . | . | . |
| 7.817 | 6.5898 | 13.15 | .Q | V | . | . | . | . |
| 7.833 | 6.6080 | 13.16 | .Q | V | . | . | . | . |
| 7.850 | 6.6261 | 13.18 | .Q | V | . | . | . | . |
| 7.867 | 6.6443 | 13.20 | .Q | V | . | . | . | . |
| 7.883 | 6.6625 | 13.22 | .Q | V | . | . | . | . |
| 7.900 | 6.6808 | 13.24 | .Q | V | . | . | . | . |
| 7.917 | 6.6990 | 13.27 | .Q | V | . | . | . | . |
| 7.933 | 6.7173 | 13.29 | .Q | V | . | . | . | . |
| 7.950 | 6.7357 | 13.31 | .Q | V | . | . | . | . |
| 7.967 | 6.7540 | 13.33 | .Q | V | . | . | . | . |
| 7.983 | 6.7724 | 13.36 | .Q | V | . | . | . | . |
| 8.000 | 6.7909 | 13.38 | .Q | V | . | . | . | . |
| 8.017 | 6.8093 | 13.40 | .Q | V | . | . | . | . |
| 8.033 | 6.8278 | 13.42 | .Q | V | . | . | . | . |
| 8.050 | 6.8463 | 13.45 | .Q | V | . | . | . | . |
| 8.067 | 6.8649 | 13.47 | .Q | V | . | . | . | . |
| 8.083 | 6.8835 | 13.49 | .Q | V | . | . | . | . |
| 8.100 | 6.9021 | 13.51 | .Q | V | . | . | . | . |
| 8.117 | 6.9207 | 13.53 | .Q | V | . | . | . | . |
| 8.133 | 6.9394 | 13.54 | .Q | V | . | . | . | . |
| 8.150 | 6.9580 | 13.55 | .Q | V | . | . | . | . |
| 8.167 | 6.9767 | 13.57 | .Q | V | . | . | . | . |
| 8.183 | 6.9954 | 13.58 | .Q | V | . | . | . | . |
| 8.200 | 7.0141 | 13.59 | .Q | V | . | . | . | . |
| 8.217 | 7.0329 | 13.60 | .Q | V | . | . | . | . |
| 8.233 | 7.0516 | 13.61 | .Q | V | . | . | . | . |
| 8.250 | 7.0704 | 13.62 | .Q | V | . | . | . | . |
| 8.267 | 7.0892 | 13.64 | .Q | V | . | . | . | . |
| 8.283 | 7.1080 | 13.65 | .Q | V | . | . | . | . |
| 8.300 | 7.1268 | 13.66 | .Q | V | . | . | . | . |
| 8.317 | 7.1456 | 13.67 | .Q | V | . | . | . | . |
| 8.333 | 7.1645 | 13.68 | .Q | V | . | . | . | . |
| 8.350 | 7.1833 | 13.70 | .Q | V | . | . | . | . |
| 8.367 | 7.2022 | 13.72 | .Q | V | . | . | . | . |
| 8.383 | 7.2212 | 13.74 | .Q | V | . | . | . | . |
| 8.400 | 7.2401 | 13.77 | .Q | V | . | . | . | . |
| 8.417 | 7.2591 | 13.79 | .Q | V | . | . | . | . |
| 8.433 | 7.2782 | 13.82 | .Q | V | . | . | . | . |
| 8.450 | 7.2972 | 13.84 | .Q | V | . | . | . | . |
| 8.467 | 7.3163 | 13.87 | .Q | V | . | . | . | . |
| 8.483 | 7.3354 | 13.89 | .Q | V | . | . | . | . |

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|-------|--------|-------|----|---|---|---|---|---|
| 8.500 | 7.3546 | 13.92 | .Q | V | . | . | . | . |
| 8.517 | 7.3738 | 13.94 | .Q | V | . | . | . | . |
| 8.533 | 7.3931 | 13.97 | .Q | V | . | . | . | . |
| 8.550 | 7.4123 | 13.99 | .Q | V | . | . | . | . |
| 8.567 | 7.4316 | 14.02 | .Q | V | . | . | . | . |
| 8.583 | 7.4510 | 14.04 | .Q | V | . | . | . | . |
| 8.600 | 7.4704 | 14.07 | .Q | V | . | . | . | . |
| 8.617 | 7.4898 | 14.09 | .Q | V | . | . | . | . |
| 8.633 | 7.5092 | 14.10 | .Q | V | . | . | . | . |
| 8.650 | 7.5286 | 14.12 | .Q | V | . | . | . | . |
| 8.667 | 7.5481 | 14.13 | .Q | V | . | . | . | . |
| 8.683 | 7.5676 | 14.14 | .Q | V | . | . | . | . |
| 8.700 | 7.5871 | 14.16 | .Q | V | . | . | . | . |
| 8.717 | 7.6066 | 14.17 | .Q | V | . | . | . | . |
| 8.733 | 7.6261 | 14.18 | .Q | V | . | . | . | . |
| 8.750 | 7.6457 | 14.20 | .Q | V | . | . | . | . |
| 8.767 | 7.6653 | 14.21 | .Q | V | . | . | . | . |
| 8.783 | 7.6849 | 14.22 | .Q | V | . | . | . | . |
| 8.800 | 7.7045 | 14.24 | .Q | V | . | . | . | . |
| 8.817 | 7.7241 | 14.25 | .Q | V | . | . | . | . |
| 8.833 | 7.7437 | 14.26 | .Q | V | . | . | . | . |
| 8.850 | 7.7634 | 14.28 | .Q | V | . | . | . | . |
| 8.867 | 7.7831 | 14.29 | .Q | V | . | . | . | . |
| 8.883 | 7.8028 | 14.32 | .Q | V | . | . | . | . |
| 8.900 | 7.8226 | 14.34 | .Q | V | . | . | . | . |
| 8.917 | 7.8424 | 14.37 | .Q | V | . | . | . | . |
| 8.933 | 7.8622 | 14.40 | .Q | V | . | . | . | . |
| 8.950 | 7.8821 | 14.43 | .Q | V | . | . | . | . |
| 8.967 | 7.9020 | 14.46 | .Q | V | . | . | . | . |
| 8.983 | 7.9219 | 14.49 | .Q | V | . | . | . | . |
| 9.000 | 7.9419 | 14.51 | .Q | V | . | . | . | . |
| 9.017 | 7.9620 | 14.54 | .Q | V | . | . | . | . |
| 9.033 | 7.9820 | 14.57 | .Q | V | . | . | . | . |
| 9.050 | 8.0021 | 14.60 | .Q | V | . | . | . | . |
| 9.067 | 8.0223 | 14.63 | .Q | V | . | . | . | . |
| 9.083 | 8.0425 | 14.65 | .Q | V | . | . | . | . |
| 9.100 | 8.0627 | 14.68 | .Q | V | . | . | . | . |
| 9.117 | 8.0829 | 14.71 | .Q | V | . | . | . | . |
| 9.133 | 8.1032 | 14.73 | .Q | V | . | . | . | . |
| 9.150 | 8.1235 | 14.75 | .Q | V | . | . | . | . |
| 9.167 | 8.1439 | 14.76 | .Q | V | . | . | . | . |
| 9.183 | 8.1642 | 14.77 | .Q | V | . | . | . | . |
| 9.200 | 8.1846 | 14.79 | .Q | V | . | . | . | . |
| 9.217 | 8.2050 | 14.80 | .Q | V | . | . | . | . |
| 9.233 | 8.2254 | 14.82 | .Q | V | . | . | . | . |
| 9.250 | 8.2458 | 14.83 | .Q | V | . | . | . | . |
| 9.267 | 8.2663 | 14.85 | .Q | V | . | . | . | . |
| 9.283 | 8.2868 | 14.86 | .Q | V | . | . | . | . |
| 9.300 | 8.3073 | 14.88 | .Q | V | . | . | . | . |
| 9.317 | 8.3278 | 14.89 | .Q | V | . | . | . | . |
| 9.333 | 8.3483 | 14.91 | .Q | V | . | . | . | . |
| 9.350 | 8.3689 | 14.92 | .Q | V | . | . | . | . |
| 9.367 | 8.3894 | 14.94 | .Q | V | . | . | . | . |
| 9.383 | 8.4101 | 14.96 | .Q | V | . | . | . | . |
| 9.400 | 8.4307 | 14.99 | .Q | V | . | . | . | . |
| 9.417 | 8.4514 | 15.02 | .Q | V | . | . | . | . |
| 9.433 | 8.4721 | 15.05 | .Q | V | . | . | . | . |
| 9.450 | 8.4929 | 15.09 | .Q | V | . | . | . | . |

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|--------|--------|-------|----|---|---|---|---|---|
| 9.467 | 8.5137 | 15.12 | .Q | V | . | . | . | . |
| 9.483 | 8.5346 | 15.15 | .Q | V | . | . | . | . |
| 9.500 | 8.5555 | 15.18 | .Q | V | . | . | . | . |
| 9.517 | 8.5765 | 15.21 | .Q | V | . | . | . | . |
| 9.533 | 8.5975 | 15.24 | .Q | V | . | . | . | . |
| 9.550 | 8.6185 | 15.28 | .Q | V | . | . | . | . |
| 9.567 | 8.6396 | 15.31 | .Q | V | . | . | . | . |
| 9.583 | 8.6607 | 15.34 | .Q | V | . | . | . | . |
| 9.600 | 8.6819 | 15.37 | .Q | V | . | . | . | . |
| 9.617 | 8.7031 | 15.40 | .Q | V | . | . | . | . |
| 9.633 | 8.7244 | 15.43 | .Q | V | . | . | . | . |
| 9.650 | 8.7456 | 15.45 | .Q | V | . | . | . | . |
| 9.667 | 8.7669 | 15.47 | .Q | V | . | . | . | . |
| 9.683 | 8.7883 | 15.49 | .Q | V | . | . | . | . |
| 9.700 | 8.8096 | 15.50 | .Q | V | . | . | . | . |
| 9.717 | 8.8310 | 15.52 | .Q | V | . | . | . | . |
| 9.733 | 8.8524 | 15.54 | .Q | V | . | . | . | . |
| 9.750 | 8.8738 | 15.55 | .Q | V | . | . | . | . |
| 9.767 | 8.8953 | 15.57 | .Q | V | . | . | . | . |
| 9.783 | 8.9167 | 15.59 | .Q | V | . | . | . | . |
| 9.800 | 8.9382 | 15.60 | .Q | V | . | . | . | . |
| 9.817 | 8.9598 | 15.62 | .Q | V | . | . | . | . |
| 9.833 | 8.9813 | 15.64 | .Q | V | . | . | . | . |
| 9.850 | 9.0029 | 15.65 | .Q | V | . | . | . | . |
| 9.867 | 9.0244 | 15.67 | .Q | V | . | . | . | . |
| 9.883 | 9.0460 | 15.69 | .Q | V | . | . | . | . |
| 9.900 | 9.0677 | 15.72 | .Q | V | . | . | . | . |
| 9.917 | 9.0894 | 15.75 | .Q | V | . | . | . | . |
| 9.933 | 9.1111 | 15.79 | .Q | V | . | . | . | . |
| 9.950 | 9.1329 | 15.83 | .Q | V | . | . | . | . |
| 9.967 | 9.1548 | 15.86 | .Q | V | . | . | . | . |
| 9.983 | 9.1767 | 15.90 | .Q | V | . | . | . | . |
| 10.000 | 9.1986 | 15.93 | .Q | V | . | . | . | . |
| 10.017 | 9.2206 | 15.97 | .Q | V | . | . | . | . |
| 10.033 | 9.2427 | 16.01 | .Q | V | . | . | . | . |
| 10.050 | 9.2648 | 16.04 | .Q | V | . | . | . | . |
| 10.067 | 9.2869 | 16.08 | .Q | V | . | . | . | . |
| 10.083 | 9.3091 | 16.11 | .Q | V | . | . | . | . |
| 10.100 | 9.3314 | 16.15 | .Q | V | . | . | . | . |
| 10.117 | 9.3537 | 16.19 | .Q | V | . | . | . | . |
| 10.133 | 9.3760 | 16.22 | .Q | V | . | . | . | . |
| 10.150 | 9.3984 | 16.25 | .Q | V | . | . | . | . |
| 10.167 | 9.4208 | 16.27 | .Q | V | . | . | . | . |
| 10.183 | 9.4432 | 16.29 | .Q | V | . | . | . | . |
| 10.200 | 9.4657 | 16.31 | .Q | V | . | . | . | . |
| 10.217 | 9.4882 | 16.33 | .Q | V | . | . | . | . |
| 10.233 | 9.5107 | 16.35 | .Q | V | . | . | . | . |
| 10.250 | 9.5333 | 16.37 | .Q | V | . | . | . | . |
| 10.267 | 9.5558 | 16.39 | .Q | V | . | . | . | . |
| 10.283 | 9.5784 | 16.41 | .Q | V | . | . | . | . |
| 10.300 | 9.6011 | 16.43 | .Q | V | . | . | . | . |
| 10.317 | 9.6237 | 16.45 | .Q | V | . | . | . | . |
| 10.333 | 9.6464 | 16.46 | .Q | V | . | . | . | . |
| 10.350 | 9.6691 | 16.48 | .Q | V | . | . | . | . |
| 10.367 | 9.6918 | 16.50 | .Q | V | . | . | . | . |
| 10.383 | 9.7146 | 16.52 | .Q | V | . | . | . | . |
| 10.400 | 9.7374 | 16.55 | .Q | V | . | . | . | . |
| 10.417 | 9.7602 | 16.59 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 10.433 | 9.7831 | 16.63 | .Q | V | . | . | . | . |
| 10.450 | 9.8061 | 16.67 | .Q | V | . | . | . | . |
| 10.467 | 9.8291 | 16.71 | .Q | V | . | . | . | . |
| 10.483 | 9.8522 | 16.75 | .Q | V | . | . | . | . |
| 10.500 | 9.8753 | 16.79 | .Q | V | . | . | . | . |
| 10.517 | 9.8985 | 16.83 | .Q | V | . | . | . | . |
| 10.533 | 9.9217 | 16.88 | .Q | V | . | . | . | . |
| 10.550 | 9.9450 | 16.92 | .Q | V | . | . | . | . |
| 10.567 | 9.9684 | 16.96 | .Q | V | . | . | . | . |
| 10.583 | 9.9918 | 17.00 | .Q | V | . | . | . | . |
| 10.600 | 10.0153 | 17.04 | .Q | V | . | . | . | . |
| 10.617 | 10.0388 | 17.08 | .Q | V | . | . | . | . |
| 10.633 | 10.0624 | 17.12 | .Q | V | . | . | . | . |
| 10.650 | 10.0860 | 17.17 | .Q | V | . | . | . | . |
| 10.667 | 10.1097 | 17.19 | .Q | V | . | . | . | . |
| 10.683 | 10.1334 | 17.21 | .Q | V | . | . | . | . |
| 10.700 | 10.1572 | 17.24 | .Q | V | . | . | . | . |
| 10.717 | 10.1810 | 17.26 | .Q | V | . | . | . | . |
| 10.733 | 10.2048 | 17.28 | .Q | V | . | . | . | . |
| 10.750 | 10.2286 | 17.30 | .Q | V | . | . | . | . |
| 10.767 | 10.2525 | 17.33 | .Q | V | . | . | . | . |
| 10.783 | 10.2764 | 17.35 | .Q | V | . | . | . | . |
| 10.800 | 10.3003 | 17.37 | .Q | V | . | . | . | . |
| 10.817 | 10.3242 | 17.39 | .Q | V | . | . | . | . |
| 10.833 | 10.3482 | 17.42 | .Q | V | . | . | . | . |
| 10.850 | 10.3722 | 17.44 | .Q | V | . | . | . | . |
| 10.867 | 10.3963 | 17.46 | .Q | V | . | . | . | . |
| 10.883 | 10.4204 | 17.48 | .Q | V | . | . | . | . |
| 10.900 | 10.4445 | 17.50 | .Q | V | . | . | . | . |
| 10.917 | 10.4686 | 17.54 | .Q | V | . | . | . | . |
| 10.933 | 10.4929 | 17.59 | .Q | V | . | . | . | . |
| 10.950 | 10.5172 | 17.64 | .Q | V | . | . | . | . |
| 10.967 | 10.5415 | 17.68 | .Q | V | . | . | . | . |
| 10.983 | 10.5660 | 17.73 | .Q | V | . | . | . | . |
| 11.000 | 10.5904 | 17.78 | .Q | V | . | . | . | . |
| 11.017 | 10.6150 | 17.83 | .Q | V | . | . | . | . |
| 11.033 | 10.6396 | 17.88 | .Q | V | . | . | . | . |
| 11.050 | 10.6643 | 17.93 | .Q | V | . | . | . | . |
| 11.067 | 10.6891 | 17.97 | .Q | V | . | . | . | . |
| 11.083 | 10.7139 | 18.02 | .Q | V | . | . | . | . |
| 11.100 | 10.7388 | 18.07 | .Q | V | . | . | . | . |
| 11.117 | 10.7638 | 18.12 | .Q | V | . | . | . | . |
| 11.133 | 10.7888 | 18.17 | .Q | V | . | . | . | . |
| 11.150 | 10.8139 | 18.22 | .Q | V | . | . | . | . |
| 11.167 | 10.8390 | 18.26 | .Q | V | . | . | . | . |
| 11.183 | 10.8642 | 18.29 | .Q | V | . | . | . | . |
| 11.200 | 10.8894 | 18.31 | .Q | V | . | . | . | . |
| 11.217 | 10.9147 | 18.34 | .Q | V | . | . | . | . |
| 11.233 | 10.9400 | 18.37 | .Q | V | . | . | . | . |
| 11.250 | 10.9653 | 18.39 | .Q | V | . | . | . | . |
| 11.267 | 10.9907 | 18.42 | .Q | V | . | . | . | . |
| 11.283 | 11.0161 | 18.44 | .Q | V | . | . | . | . |
| 11.300 | 11.0415 | 18.47 | .Q | V | . | . | . | . |
| 11.317 | 11.0670 | 18.50 | .Q | V | . | . | . | . |
| 11.333 | 11.0925 | 18.52 | .Q | V | . | . | . | . |
| 11.350 | 11.1181 | 18.55 | .Q | V | . | . | . | . |
| 11.367 | 11.1437 | 18.58 | .Q | V | . | . | . | . |
| 11.383 | 11.1693 | 18.60 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|----|---|---|---|
| 11.400 | 11.1950 | 18.63 | .Q | V | . | . | . |
| 11.417 | 11.2207 | 18.66 | .Q | V. | . | . | . |
| 11.433 | 11.2464 | 18.71 | .Q | V. | . | . | . |
| 11.450 | 11.2723 | 18.77 | .Q | V. | . | . | . |
| 11.467 | 11.2982 | 18.82 | .Q | V. | . | . | . |
| 11.483 | 11.3242 | 18.88 | .Q | V. | . | . | . |
| 11.500 | 11.3503 | 18.94 | .Q | V. | . | . | . |
| 11.517 | 11.3764 | 18.99 | .Q | V. | . | . | . |
| 11.533 | 11.4027 | 19.05 | .Q | V. | . | . | . |
| 11.550 | 11.4290 | 19.11 | .Q | V. | . | . | . |
| 11.567 | 11.4554 | 19.17 | .Q | V. | . | . | . |
| 11.583 | 11.4819 | 19.22 | .Q | V. | . | . | . |
| 11.600 | 11.5084 | 19.28 | .Q | V. | . | . | . |
| 11.617 | 11.5351 | 19.34 | .Q | V. | . | . | . |
| 11.633 | 11.5618 | 19.40 | .Q | V. | . | . | . |
| 11.650 | 11.5886 | 19.45 | .Q | V. | . | . | . |
| 11.667 | 11.6155 | 19.51 | .Q | V. | . | . | . |
| 11.683 | 11.6424 | 19.55 | .Q | V. | . | . | . |
| 11.700 | 11.6694 | 19.58 | .Q | V. | . | . | . |
| 11.717 | 11.6964 | 19.61 | .Q | V. | . | . | . |
| 11.733 | 11.7234 | 19.65 | .Q | V. | . | . | . |
| 11.750 | 11.7506 | 19.68 | .Q | V. | . | . | . |
| 11.767 | 11.7777 | 19.71 | .Q | V. | . | . | . |
| 11.783 | 11.8049 | 19.74 | .Q | V. | . | . | . |
| 11.800 | 11.8321 | 19.77 | .Q | V. | . | . | . |
| 11.817 | 11.8594 | 19.80 | .Q | V. | . | . | . |
| 11.833 | 11.8867 | 19.83 | .Q | V. | . | . | . |
| 11.850 | 11.9141 | 19.86 | .Q | V. | . | . | . |
| 11.867 | 11.9415 | 19.90 | .Q | V. | . | . | . |
| 11.883 | 11.9689 | 19.93 | .Q | V. | . | . | . |
| 11.900 | 11.9964 | 19.96 | .Q | V. | . | . | . |
| 11.917 | 12.0240 | 19.99 | .Q | V. | . | . | . |
| 11.933 | 12.0516 | 20.09 | .Q | V. | . | . | . |
| 11.950 | 12.0797 | 20.35 | .Q | V. | . | . | . |
| 11.967 | 12.1080 | 20.60 | .Q | V. | . | . | . |
| 11.983 | 12.1368 | 20.86 | .Q | V. | . | . | . |
| 12.000 | 12.1659 | 21.12 | .Q | V. | . | . | . |
| 12.017 | 12.1953 | 21.38 | .Q | V. | . | . | . |
| 12.033 | 12.2251 | 21.64 | .Q | V. | . | . | . |
| 12.050 | 12.2553 | 21.89 | .Q | V. | . | . | . |
| 12.067 | 12.2858 | 22.15 | .Q | V. | . | . | . |
| 12.083 | 12.3166 | 22.41 | .Q | V. | . | . | . |
| 12.100 | 12.3479 | 22.67 | .Q | V. | . | . | . |
| 12.117 | 12.3794 | 22.92 | .Q | V. | . | . | . |
| 12.133 | 12.4114 | 23.18 | .Q | V. | . | . | . |
| 12.150 | 12.4437 | 23.44 | .Q | V | . | . | . |
| 12.167 | 12.4763 | 23.70 | .Q | V | . | . | . |
| 12.183 | 12.5093 | 23.95 | .Q | V | . | . | . |
| 12.200 | 12.5426 | 24.16 | .Q | V | . | . | . |
| 12.217 | 12.5761 | 24.37 | .Q | V | . | . | . |
| 12.233 | 12.6100 | 24.58 | .Q | V | . | . | . |
| 12.250 | 12.6441 | 24.79 | .Q | V | . | . | . |
| 12.267 | 12.6786 | 24.99 | .Q | V | . | . | . |
| 12.283 | 12.7133 | 25.20 | .Q | V | . | . | . |
| 12.300 | 12.7483 | 25.41 | .Q | V | . | . | . |
| 12.317 | 12.7836 | 25.62 | .Q | V | . | . | . |
| 12.333 | 12.8191 | 25.83 | .Q | V | . | . | . |
| 12.350 | 12.8550 | 26.03 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.367 | 12.8911 | 26.24 | .Q | V | . | . | . |
| 12.383 | 12.9276 | 26.45 | .Q | V | . | . | . |
| 12.400 | 12.9643 | 26.66 | .Q | V | . | . | . |
| 12.417 | 13.0013 | 26.86 | .Q | V | . | . | . |
| 12.433 | 13.0386 | 27.07 | .Q | V | . | . | . |
| 12.450 | 13.0760 | 27.20 | .Q | V | . | . | . |
| 12.467 | 13.1136 | 27.29 | .Q | V | . | . | . |
| 12.483 | 13.1513 | 27.38 | .Q | V | . | . | . |
| 12.500 | 13.1892 | 27.47 | .Q | V | . | . | . |
| 12.517 | 13.2271 | 27.56 | .Q | V | . | . | . |
| 12.533 | 13.2652 | 27.65 | .Q | V | . | . | . |
| 12.550 | 13.3034 | 27.74 | .Q | V | . | . | . |
| 12.567 | 13.3418 | 27.83 | .Q | V | . | . | . |
| 12.583 | 13.3802 | 27.92 | .Q | V | . | . | . |
| 12.600 | 13.4188 | 28.01 | .Q | V | . | . | . |
| 12.617 | 13.4575 | 28.10 | .Q | V | . | . | . |
| 12.633 | 13.4964 | 28.19 | .Q | V | . | . | . |
| 12.650 | 13.5353 | 28.28 | .Q | V | . | . | . |
| 12.667 | 13.5744 | 28.38 | .Q | V | . | . | . |
| 12.683 | 13.6136 | 28.47 | .Q | V | . | . | . |
| 12.700 | 13.6529 | 28.54 | .Q | V | . | . | . |
| 12.717 | 13.6923 | 28.59 | .Q | .V | . | . | . |
| 12.733 | 13.7318 | 28.64 | .Q | .V | . | . | . |
| 12.750 | 13.7713 | 28.69 | .Q | .V | . | . | . |
| 12.767 | 13.8109 | 28.74 | .Q | .V | . | . | . |
| 12.783 | 13.8505 | 28.79 | .Q | .V | . | . | . |
| 12.800 | 13.8903 | 28.84 | .Q | .V | . | . | . |
| 12.817 | 13.9300 | 28.89 | .Q | .V | . | . | . |
| 12.833 | 13.9699 | 28.94 | .Q | .V | . | . | . |
| 12.850 | 14.0099 | 29.00 | .Q | .V | . | . | . |
| 12.867 | 14.0499 | 29.05 | .Q | .V | . | . | . |
| 12.883 | 14.0899 | 29.10 | .Q | .V | . | . | . |
| 12.900 | 14.1301 | 29.15 | .Q | .V | . | . | . |
| 12.917 | 14.1703 | 29.20 | .Q | .V | . | . | . |
| 12.933 | 14.2106 | 29.25 | .Q | .V | . | . | . |
| 12.950 | 14.2510 | 29.31 | .Q | .V | . | . | . |
| 12.967 | 14.2915 | 29.42 | .Q | .V | . | . | . |
| 12.983 | 14.3322 | 29.53 | .Q | .V | . | . | . |
| 13.000 | 14.3730 | 29.65 | .Q | .V | . | . | . |
| 13.017 | 14.4140 | 29.76 | .Q | .V | . | . | . |
| 13.033 | 14.4552 | 29.88 | .Q | .V | . | . | . |
| 13.050 | 14.4965 | 29.99 | .Q | .V | . | . | . |
| 13.067 | 14.5379 | 30.10 | .Q | .V | . | . | . |
| 13.083 | 14.5795 | 30.22 | .Q | .V | . | . | . |
| 13.100 | 14.6213 | 30.33 | .Q | .V | . | . | . |
| 13.117 | 14.6633 | 30.45 | .Q | .V | . | . | . |
| 13.133 | 14.7054 | 30.56 | .Q | .V | . | . | . |
| 13.150 | 14.7476 | 30.67 | .Q | .V | . | . | . |
| 13.167 | 14.7900 | 30.79 | .Q | .V | . | . | . |
| 13.183 | 14.8326 | 30.90 | .Q | .V | . | . | . |
| 13.200 | 14.8753 | 31.01 | .Q | .V | . | . | . |
| 13.217 | 14.9181 | 31.09 | .Q | .V | . | . | . |
| 13.233 | 14.9610 | 31.16 | .Q | .V | . | . | . |
| 13.250 | 15.0041 | 31.22 | .Q | .V | . | . | . |
| 13.267 | 15.0471 | 31.29 | .Q | .V | . | . | . |
| 13.283 | 15.0903 | 31.35 | .Q | .V | . | . | . |
| 13.300 | 15.1336 | 31.42 | .Q | .V | . | . | . |
| 13.317 | 15.1770 | 31.48 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.333 | 15.2204 | 31.55 | . Q | . V | . | . | . |
| 13.350 | 15.2640 | 31.61 | . Q | . V | . | . | . |
| 13.367 | 15.3076 | 31.68 | . Q | . V | . | . | . |
| 13.383 | 15.3513 | 31.74 | . Q | . V | . | . | . |
| 13.400 | 15.3951 | 31.81 | . Q | . V | . | . | . |
| 13.417 | 15.4390 | 31.87 | . Q | . V | . | . | . |
| 13.433 | 15.4830 | 31.94 | . Q | . V | . | . | . |
| 13.450 | 15.5271 | 32.00 | . Q | . V | . | . | . |
| 13.467 | 15.5713 | 32.11 | . Q | . V | . | . | . |
| 13.483 | 15.6157 | 32.26 | . Q | . V | . | . | . |
| 13.500 | 15.6604 | 32.41 | . Q | . V | . | . | . |
| 13.517 | 15.7052 | 32.56 | . Q | . V | . | . | . |
| 13.533 | 15.7503 | 32.71 | . Q | . V | . | . | . |
| 13.550 | 15.7955 | 32.86 | . Q | . V | . | . | . |
| 13.567 | 15.8410 | 33.01 | . Q | . V | . | . | . |
| 13.583 | 15.8867 | 33.16 | . Q | . V | . | . | . |
| 13.600 | 15.9325 | 33.31 | . Q | . V | . | . | . |
| 13.617 | 15.9786 | 33.46 | . Q | . V | . | . | . |
| 13.633 | 16.0249 | 33.61 | . Q | . V | . | . | . |
| 13.650 | 16.0714 | 33.76 | . Q | . V | . | . | . |
| 13.667 | 16.1181 | 33.91 | . Q | . V | . | . | . |
| 13.683 | 16.1650 | 34.06 | . Q | . V | . | . | . |
| 13.700 | 16.2121 | 34.21 | . Q | . V | . | . | . |
| 13.717 | 16.2594 | 34.34 | . Q | . V | . | . | . |
| 13.733 | 16.3069 | 34.43 | . Q | . V | . | . | . |
| 13.750 | 16.3544 | 34.52 | . Q | . V | . | . | . |
| 13.767 | 16.4021 | 34.61 | . Q | . V | . | . | . |
| 13.783 | 16.4499 | 34.69 | . Q | . V | . | . | . |
| 13.800 | 16.4978 | 34.78 | . Q | . V | . | . | . |
| 13.817 | 16.5458 | 34.87 | . Q | . V | . | . | . |
| 13.833 | 16.5940 | 34.96 | . Q | . V | . | . | . |
| 13.850 | 16.6422 | 35.04 | . Q | . V | . | . | . |
| 13.867 | 16.6906 | 35.13 | . Q | . V | . | . | . |
| 13.883 | 16.7391 | 35.22 | . Q | . V | . | . | . |
| 13.900 | 16.7878 | 35.31 | . Q | . V | . | . | . |
| 13.917 | 16.8365 | 35.39 | . Q | . V | . | . | . |
| 13.933 | 16.8854 | 35.48 | . Q | . V | . | . | . |
| 13.950 | 16.9344 | 35.57 | . Q | . V | . | . | . |
| 13.967 | 16.9835 | 35.67 | . Q | . V | . | . | . |
| 13.983 | 17.0329 | 35.86 | . Q | . V | . | . | . |
| 14.000 | 17.0826 | 36.09 | . Q | . V | . | . | . |
| 14.017 | 17.1326 | 36.31 | . Q | . V | . | . | . |
| 14.033 | 17.1829 | 36.53 | . Q | . V | . | . | . |
| 14.050 | 17.2336 | 36.75 | . Q | . V | . | . | . |
| 14.067 | 17.2845 | 36.97 | . Q | . V | . | . | . |
| 14.083 | 17.3357 | 37.20 | . Q | . V | . | . | . |
| 14.100 | 17.3873 | 37.42 | . Q | . V | . | . | . |
| 14.117 | 17.4391 | 37.64 | . Q | . V | . | . | . |
| 14.133 | 17.4913 | 37.86 | . Q | . V | . | . | . |
| 14.150 | 17.5437 | 38.08 | . Q | . V | . | . | . |
| 14.167 | 17.5965 | 38.31 | . Q | . V | . | . | . |
| 14.183 | 17.6495 | 38.53 | . Q | . V | . | . | . |
| 14.200 | 17.7029 | 38.75 | . Q | . V | . | . | . |
| 14.217 | 17.7566 | 38.97 | . Q | . V | . | . | . |
| 14.233 | 17.8105 | 39.14 | . Q | . V | . | . | . |
| 14.250 | 17.8646 | 39.27 | . Q | . V | . | . | . |
| 14.267 | 17.9189 | 39.40 | . Q | . V | . | . | . |
| 14.283 | 17.9733 | 39.53 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.300 | 18.0280 | 39.66 | . Q | . V | . | . | . |
| 14.317 | 18.0828 | 39.79 | . Q | . V | . | . | . |
| 14.333 | 18.1378 | 39.92 | . Q | . V | . | . | . |
| 14.350 | 18.1929 | 40.05 | . Q | . V | . | . | . |
| 14.367 | 18.2483 | 40.19 | . Q | . V | . | . | . |
| 14.383 | 18.3038 | 40.32 | . Q | . V | . | . | . |
| 14.400 | 18.3595 | 40.45 | . Q | . V | . | . | . |
| 14.417 | 18.4154 | 40.58 | . Q | . V | . | . | . |
| 14.433 | 18.4715 | 40.71 | . Q | . V | . | . | . |
| 14.450 | 18.5277 | 40.84 | . Q | . V | . | . | . |
| 14.467 | 18.5842 | 40.97 | . Q | . V | . | . | . |
| 14.483 | 18.6409 | 41.16 | . Q | . V | . | . | . |
| 14.500 | 18.6980 | 41.48 | . Q | . V | . | . | . |
| 14.517 | 18.7556 | 41.80 | . Q | . V | . | . | . |
| 14.533 | 18.8136 | 42.12 | . Q | . V | . | . | . |
| 14.550 | 18.8721 | 42.44 | . Q | . V | . | . | . |
| 14.567 | 18.9309 | 42.76 | . Q | . V | . | . | . |
| 14.583 | 18.9903 | 43.08 | . Q | . V | . | . | . |
| 14.600 | 19.0501 | 43.40 | . Q | . V | . | . | . |
| 14.617 | 19.1103 | 43.72 | . Q | . V | . | . | . |
| 14.633 | 19.1709 | 44.04 | . Q | . V | . | . | . |
| 14.650 | 19.2320 | 44.35 | . Q | . V | . | . | . |
| 14.667 | 19.2936 | 44.67 | . Q | . V | . | . | . |
| 14.683 | 19.3555 | 44.99 | . Q | . V | . | . | . |
| 14.700 | 19.4179 | 45.31 | . Q | . V | . | . | . |
| 14.717 | 19.4808 | 45.63 | . Q | . V | . | . | . |
| 14.733 | 19.5441 | 45.94 | . Q | . V | . | . | . |
| 14.750 | 19.6077 | 46.16 | . Q | . V | . | . | . |
| 14.767 | 19.6715 | 46.37 | . Q | . V | . | . | . |
| 14.783 | 19.7357 | 46.57 | . Q | . V | . | . | . |
| 14.800 | 19.8001 | 46.78 | . Q | . V | . | . | . |
| 14.817 | 19.8648 | 46.99 | . Q | . V | . | . | . |
| 14.833 | 19.9298 | 47.20 | . Q | . V | . | . | . |
| 14.850 | 19.9951 | 47.40 | . Q | . V | . | . | . |
| 14.867 | 20.0607 | 47.61 | . Q | . V | . | . | . |
| 14.883 | 20.1266 | 47.82 | . Q | . V | . | . | . |
| 14.900 | 20.1927 | 48.02 | . Q | . V | . | . | . |
| 14.917 | 20.2592 | 48.23 | . Q | . V | . | . | . |
| 14.933 | 20.3259 | 48.44 | . Q | . V | . | . | . |
| 14.950 | 20.3929 | 48.65 | . Q | . V | . | . | . |
| 14.967 | 20.4602 | 48.85 | . Q | . V | . | . | . |
| 14.983 | 20.5278 | 49.07 | . Q | . V | . | . | . |
| 15.000 | 20.5960 | 49.53 | . Q | . V | . | . | . |
| 15.017 | 20.6650 | 50.10 | . Q | . V | . | . | . |
| 15.033 | 20.7348 | 50.68 | . Q | . V | . | . | . |
| 15.050 | 20.8054 | 51.26 | . Q | . V | . | . | . |
| 15.067 | 20.8768 | 51.84 | . Q | . V | . | . | . |
| 15.083 | 20.9490 | 52.41 | . Q | . V | . | . | . |
| 15.100 | 21.0220 | 52.99 | . Q | . V | . | . | . |
| 15.117 | 21.0958 | 53.57 | . Q | . V | . | . | . |
| 15.133 | 21.1704 | 54.15 | . Q | . V | . | . | . |
| 15.150 | 21.2457 | 54.72 | . Q | . V | . | . | . |
| 15.167 | 21.3219 | 55.30 | . Q | . V | . | . | . |
| 15.183 | 21.3989 | 55.88 | . Q | . V | . | . | . |
| 15.200 | 21.4767 | 56.46 | . Q | . V | . | . | . |
| 15.217 | 21.5552 | 57.04 | . Q | . V | . | . | . |
| 15.233 | 21.6346 | 57.61 | . Q | . V | . | . | . |
| 15.250 | 21.7146 | 58.13 | . Q | . V | . | . | . |

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|--------|---------|--------|---|----|---|-------|---|---|
| 15.267 | 21.7953 | 58.56 | . | Q | . | V | . | . |
| 15.283 | 21.8766 | 58.99 | . | Q | . | V | . | . |
| 15.300 | 21.9584 | 59.42 | . | Q | . | V | . | . |
| 15.317 | 22.0408 | 59.85 | . | Q | . | V | . | . |
| 15.333 | 22.1239 | 60.28 | . | Q | . | V | . | . |
| 15.350 | 22.2075 | 60.70 | . | Q | . | V | . | . |
| 15.367 | 22.2917 | 61.13 | . | Q | . | V | . | . |
| 15.383 | 22.3765 | 61.56 | . | Q | . | V | . | . |
| 15.400 | 22.4619 | 61.99 | . | Q | . | V | . | . |
| 15.417 | 22.5478 | 62.42 | . | Q | . | V | . | . |
| 15.433 | 22.6344 | 62.85 | . | Q | . | V | . | . |
| 15.450 | 22.7216 | 63.28 | . | Q | . | V | . | . |
| 15.467 | 22.8093 | 63.71 | . | Q | . | V | . | . |
| 15.483 | 22.8977 | 64.14 | . | Q | . | V | . | . |
| 15.500 | 22.9868 | 64.69 | . | Q | . | V | . | . |
| 15.517 | 23.0773 | 65.76 | . | Q | . | V | . | . |
| 15.533 | 23.1695 | 66.89 | . | Q | . | V | . | . |
| 15.550 | 23.2632 | 68.02 | . | Q | . | V | . | . |
| 15.567 | 23.3584 | 69.15 | . | Q | . | V | . | . |
| 15.583 | 23.4552 | 70.28 | . | Q | . | V | . | . |
| 15.600 | 23.5536 | 71.41 | . | Q | . | V | . | . |
| 15.617 | 23.6535 | 72.54 | . | Q | . | V | . | . |
| 15.633 | 23.7550 | 73.67 | . | Q | . | V | . | . |
| 15.650 | 23.8580 | 74.80 | . | Q | . | V | . | . |
| 15.667 | 23.9626 | 75.93 | . | Q | . | V | . | . |
| 15.683 | 24.0687 | 77.06 | . | Q | . | V | . | . |
| 15.700 | 24.1764 | 78.18 | . | Q | . | V | . | . |
| 15.717 | 24.2857 | 79.31 | . | Q | . | V | . | . |
| 15.733 | 24.3965 | 80.44 | . | Q | . | V | . | . |
| 15.750 | 24.5089 | 81.63 | . | Q | . | V | . | . |
| 15.767 | 24.6242 | 83.73 | . | Q | . | V | . | . |
| 15.783 | 24.7429 | 86.15 | . | Q | . | V | . | . |
| 15.800 | 24.8649 | 88.56 | . | Q | . | V | . | . |
| 15.817 | 24.9902 | 90.98 | . | Q | . | V | . | . |
| 15.833 | 25.1188 | 93.39 | . | Q | . | V | . | . |
| 15.850 | 25.2508 | 95.81 | . | Q | . | V | . | . |
| 15.867 | 25.3861 | 98.23 | . | Q | . | V | . | . |
| 15.883 | 25.5247 | 100.64 | . | Q | . | V | . | . |
| 15.900 | 25.6667 | 103.06 | . | Q | . | V | . | . |
| 15.917 | 25.8120 | 105.48 | . | Q | . | V | . | . |
| 15.933 | 25.9606 | 107.89 | . | Q | . | V | . | . |
| 15.950 | 26.1125 | 110.31 | . | Q | . | V | . | . |
| 15.967 | 26.2678 | 112.72 | . | Q | . | .V | . | . |
| 15.983 | 26.4264 | 115.14 | . | Q | . | .V | . | . |
| 16.000 | 26.5883 | 117.56 | . | Q | . | .V | . | . |
| 16.017 | 26.7664 | 129.33 | . | .Q | . | .V | . | . |
| 16.033 | 26.9737 | 150.47 | . | . | Q | .V | . | . |
| 16.050 | 27.2101 | 171.61 | . | . | . | .V | . | . |
| 16.067 | 27.4756 | 192.75 | . | . | . | Q . V | . | . |
| 16.083 | 27.7702 | 213.89 | . | . | . | Q . V | . | . |
| 16.100 | 28.0939 | 235.03 | . | . | . | .QV | . | . |
| 16.117 | 28.4468 | 256.17 | . | . | . | .VQ | . | . |
| 16.133 | 28.8288 | 277.31 | . | . | . | .V Q | . | . |
| 16.150 | 29.2399 | 298.45 | . | . | . | .V Q | . | . |
| 16.167 | 29.6801 | 319.59 | . | . | . | .V Q | . | . |
| 16.183 | 30.1494 | 340.73 | . | . | . | .V Q | . | . |
| 16.200 | 30.6478 | 361.87 | . | . | . | .V Q | . | . |
| 16.217 | 31.1754 | 383.01 | . | . | . | .V Q | . | . |

| | | | | | | | | |
|--------|---------|--------|---|---|---|--------|---|-----|
| 16.233 | 31.7321 | 404.15 | . | . | . | .V | . | Q . |
| 16.250 | 32.3179 | 425.29 | . | . | . | .V | . | Q . |
| 16.267 | 32.9270 | 442.20 | . | . | . | .V | . | Q |
| 16.283 | 33.4956 | 412.83 | . | . | . | .V | . | Q . |
| 16.300 | 34.0305 | 388.35 | . | . | . | .V | . | Q . |
| 16.317 | 34.5317 | 363.87 | . | . | . | .V | . | Q |
| 16.333 | 34.9992 | 339.39 | . | . | . | .V Q | . | . |
| 16.350 | 35.4330 | 314.92 | . | . | . | .Q | . | . |
| 16.367 | 35.8330 | 290.44 | . | . | . | Q V | . | . |
| 16.383 | 36.1994 | 265.96 | . | . | . | Q . V. | . | . |
| 16.400 | 36.5320 | 241.48 | . | . | . | .Q | . | . |
| 16.417 | 36.8309 | 217.01 | . | . | . | .Q | . | . |
| 16.433 | 37.0961 | 192.53 | . | . | . | .Q | . | . |
| 16.450 | 37.3276 | 168.05 | . | . | . | Q | . | . |
| 16.467 | 37.5253 | 143.57 | . | . | . | Q | . | . |
| 16.483 | 37.6894 | 119.10 | . | . | . | Q | . | . |
| 16.500 | 37.8197 | 94.62 | . | . | . | Q | . | . |
| 16.517 | 37.9189 | 72.02 | . | . | . | Q | . | . |
| 16.533 | 38.0110 | 66.83 | . | . | . | Q | . | . |
| 16.550 | 38.1017 | 65.87 | . | . | . | Q | . | . |
| 16.567 | 38.1911 | 64.91 | . | . | . | Q | . | . |
| 16.583 | 38.2792 | 63.95 | . | . | . | Q | . | . |
| 16.600 | 38.3660 | 62.99 | . | . | . | Q | . | . |
| 16.617 | 38.4514 | 62.03 | . | . | . | Q | . | . |
| 16.633 | 38.5355 | 61.07 | . | . | . | Q | . | . |
| 16.650 | 38.6183 | 60.11 | . | . | . | Q | . | .V |
| 16.667 | 38.6998 | 59.16 | . | . | . | Q | . | .V |
| 16.683 | 38.7800 | 58.20 | . | . | . | Q | . | .V |
| 16.700 | 38.8588 | 57.24 | . | . | . | Q | . | .V |
| 16.717 | 38.9363 | 56.28 | . | . | . | Q | . | .V |
| 16.733 | 39.0125 | 55.32 | . | . | . | Q | . | .V |
| 16.750 | 39.0874 | 54.36 | . | . | . | Q | . | .V |
| 16.767 | 39.1610 | 53.40 | . | . | . | Q | . | .V |
| 16.783 | 39.2335 | 52.64 | . | . | . | Q | . | .V |
| 16.800 | 39.3051 | 52.00 | . | . | . | Q | . | .V |
| 16.817 | 39.3758 | 51.37 | . | . | . | Q | . | .V |
| 16.833 | 39.4457 | 50.73 | . | . | . | Q | . | .V |
| 16.850 | 39.5147 | 50.10 | . | . | . | Q | . | .V |
| 16.867 | 39.5828 | 49.46 | . | . | . | Q | . | .V |
| 16.883 | 39.6501 | 48.83 | . | . | . | Q | . | .V |
| 16.900 | 39.7165 | 48.19 | . | . | . | Q | . | .V |
| 16.917 | 39.7820 | 47.56 | . | . | . | Q | . | .V |
| 16.933 | 39.8466 | 46.93 | . | . | . | Q | . | .V |
| 16.950 | 39.9104 | 46.29 | . | . | . | Q | . | .V |
| 16.967 | 39.9733 | 45.66 | . | . | . | Q | . | .V |
| 16.983 | 40.0353 | 45.02 | . | . | . | Q | . | .V |
| 17.000 | 40.0964 | 44.39 | . | . | . | Q | . | .V |
| 17.017 | 40.1567 | 43.75 | . | . | . | Q | . | .V |
| 17.033 | 40.2162 | 43.19 | . | . | . | Q | . | .V |
| 17.050 | 40.2751 | 42.79 | . | . | . | Q | . | .V |
| 17.067 | 40.3335 | 42.39 | . | . | . | Q | . | .V |
| 17.083 | 40.3914 | 41.98 | . | . | . | Q | . | .V |
| 17.100 | 40.4486 | 41.58 | . | . | . | Q | . | .V |
| 17.117 | 40.5054 | 41.18 | . | . | . | Q | . | .V |
| 17.133 | 40.5615 | 40.78 | . | . | . | Q | . | .V |
| 17.150 | 40.6172 | 40.38 | . | . | . | Q | . | .V |
| 17.167 | 40.6722 | 39.98 | . | . | . | Q | . | .V |
| 17.183 | 40.7267 | 39.57 | . | . | . | Q | . | .V |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 40.7807 | 39.17 | . Q | . | . | . V | . |
| 17.217 | 40.8341 | 38.77 | . Q | . | . | . V | . |
| 17.233 | 40.8869 | 38.37 | . Q | . | . | . V | . |
| 17.250 | 40.9392 | 37.97 | . Q | . | . | . V | . |
| 17.267 | 40.9910 | 37.57 | . Q | . | . | . V | . |
| 17.283 | 41.0422 | 37.18 | . Q | . | . | . V | . |
| 17.300 | 41.0930 | 36.90 | . Q | . | . | . V | . |
| 17.317 | 41.1435 | 36.64 | . Q | . | . | . V | . |
| 17.333 | 41.1936 | 36.37 | . Q | . | . | . V | . |
| 17.350 | 41.2433 | 36.11 | . Q | . | . | . V | . |
| 17.367 | 41.2927 | 35.84 | . Q | . | . | . V | . |
| 17.383 | 41.3417 | 35.58 | . Q | . | . | . V | . |
| 17.400 | 41.3903 | 35.32 | . Q | . | . | . V | . |
| 17.417 | 41.4386 | 35.05 | . Q | . | . | . V | . |
| 17.433 | 41.4865 | 34.79 | . Q | . | . | . V | . |
| 17.450 | 41.5341 | 34.52 | . Q | . | . | . V | . |
| 17.467 | 41.5813 | 34.26 | . Q | . | . | . V | . |
| 17.483 | 41.6281 | 33.99 | . Q | . | . | . V | . |
| 17.500 | 41.6746 | 33.73 | . Q | . | . | . V | . |
| 17.517 | 41.7207 | 33.47 | . Q | . | . | . V | . |
| 17.533 | 41.7664 | 33.20 | . Q | . | . | . V | . |
| 17.550 | 41.8118 | 32.99 | . Q | . | . | . V | . |
| 17.567 | 41.8570 | 32.79 | . Q | . | . | . V | . |
| 17.583 | 41.9019 | 32.59 | . Q | . | . | . V | . |
| 17.600 | 41.9465 | 32.40 | . Q | . | . | . V | . |
| 17.617 | 41.9909 | 32.20 | . Q | . | . | . V | . |
| 17.633 | 42.0350 | 32.01 | . Q | . | . | . V | . |
| 17.650 | 42.0788 | 31.81 | . Q | . | . | . V | . |
| 17.667 | 42.1223 | 31.62 | . Q | . | . | . V | . |
| 17.683 | 42.1656 | 31.42 | . Q | . | . | . V | . |
| 17.700 | 42.2086 | 31.23 | . Q | . | . | . V | . |
| 17.717 | 42.2514 | 31.03 | . Q | . | . | . V | . |
| 17.733 | 42.2938 | 30.83 | . Q | . | . | . V | . |
| 17.750 | 42.3360 | 30.64 | . Q | . | . | . V | . |
| 17.767 | 42.3780 | 30.44 | . Q | . | . | . V | . |
| 17.783 | 42.4196 | 30.25 | . Q | . | . | . V | . |
| 17.800 | 42.4611 | 30.07 | . Q | . | . | . V | . |
| 17.817 | 42.5023 | 29.92 | . Q | . | . | . V | . |
| 17.833 | 42.5433 | 29.77 | . Q | . | . | . V | . |
| 17.850 | 42.5841 | 29.61 | . Q | . | . | . V | . |
| 17.867 | 42.6246 | 29.46 | . Q | . | . | . V | . |
| 17.883 | 42.6650 | 29.31 | . Q | . | . | . V | . |
| 17.900 | 42.7052 | 29.16 | . Q | . | . | . V | . |
| 17.917 | 42.7451 | 29.00 | . Q | . | . | . V | . |
| 17.933 | 42.7849 | 28.85 | . Q | . | . | . V | . |
| 17.950 | 42.8244 | 28.70 | . Q | . | . | . V | . |
| 17.967 | 42.8637 | 28.55 | . Q | . | . | . V | . |
| 17.983 | 42.9028 | 28.40 | . Q | . | . | . V | . |
| 18.000 | 42.9417 | 28.24 | . Q | . | . | . V | . |
| 18.017 | 42.9804 | 28.09 | . Q | . | . | . V | . |
| 18.033 | 43.0189 | 27.94 | . Q | . | . | . V | . |
| 18.050 | 43.0571 | 27.73 | . Q | . | . | . V | . |
| 18.067 | 43.0947 | 27.28 | . Q | . | . | . V | . |
| 18.083 | 43.1316 | 26.80 | . Q | . | . | . V | . |
| 18.100 | 43.1679 | 26.33 | . Q | . | . | . V | . |
| 18.117 | 43.2035 | 25.85 | . Q | . | . | . V | . |
| 18.133 | 43.2384 | 25.38 | . Q | . | . | . V | . |
| 18.150 | 43.2727 | 24.90 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 43.3064 | 24.42 | . Q | . | . | . V | . |
| 18.183 | 43.3393 | 23.95 | . Q | . | . | . V | . |
| 18.200 | 43.3717 | 23.47 | . Q | . | . | . V | . |
| 18.217 | 43.4034 | 23.00 | . Q | . | . | . V | . |
| 18.233 | 43.4344 | 22.52 | . Q | . | . | . V | . |
| 18.250 | 43.4647 | 22.05 | .Q | . | . | . V | . |
| 18.267 | 43.4945 | 21.57 | .Q | . | . | . V | . |
| 18.283 | 43.5235 | 21.09 | .Q | . | . | . V | . |
| 18.300 | 43.5519 | 20.64 | .Q | . | . | . V | . |
| 18.317 | 43.5801 | 20.45 | .Q | . | . | . V | . |
| 18.333 | 43.6081 | 20.35 | .Q | . | . | . V | . |
| 18.350 | 43.6360 | 20.26 | .Q | . | . | . V | . |
| 18.367 | 43.6638 | 20.17 | .Q | . | . | . V | . |
| 18.383 | 43.6915 | 20.07 | .Q | . | . | . V | . |
| 18.400 | 43.7190 | 19.98 | .Q | . | . | . V | . |
| 18.417 | 43.7464 | 19.88 | .Q | . | . | . V | . |
| 18.433 | 43.7736 | 19.79 | .Q | . | . | . V | . |
| 18.450 | 43.8007 | 19.69 | .Q | . | . | . V | . |
| 18.467 | 43.8277 | 19.60 | .Q | . | . | . V | . |
| 18.483 | 43.8546 | 19.51 | .Q | . | . | . V | . |
| 18.500 | 43.8813 | 19.41 | .Q | . | . | . V | . |
| 18.517 | 43.9080 | 19.32 | .Q | . | . | . V | . |
| 18.533 | 43.9344 | 19.22 | .Q | . | . | . V | . |
| 18.550 | 43.9608 | 19.13 | .Q | . | . | . V | . |
| 18.567 | 43.9870 | 19.04 | .Q | . | . | . V | . |
| 18.583 | 44.0131 | 18.96 | .Q | . | . | . V | . |
| 18.600 | 44.0391 | 18.88 | .Q | . | . | . V | . |
| 18.617 | 44.0650 | 18.81 | .Q | . | . | . V | . |
| 18.633 | 44.0908 | 18.73 | .Q | . | . | . V | . |
| 18.650 | 44.1165 | 18.65 | .Q | . | . | . V | . |
| 18.667 | 44.1421 | 18.57 | .Q | . | . | . V | . |
| 18.683 | 44.1676 | 18.49 | .Q | . | . | . V | . |
| 18.700 | 44.1929 | 18.41 | .Q | . | . | . V | . |
| 18.717 | 44.2182 | 18.33 | .Q | . | . | . V | . |
| 18.733 | 44.2433 | 18.25 | .Q | . | . | . V | . |
| 18.750 | 44.2684 | 18.18 | .Q | . | . | . V | . |
| 18.767 | 44.2933 | 18.10 | .Q | . | . | . V | . |
| 18.783 | 44.3181 | 18.02 | .Q | . | . | . V | . |
| 18.800 | 44.3428 | 17.94 | .Q | . | . | . V | . |
| 18.817 | 44.3674 | 17.86 | .Q | . | . | . V | . |
| 18.833 | 44.3919 | 17.80 | .Q | . | . | . V | . |
| 18.850 | 44.4164 | 17.73 | .Q | . | . | . V | . |
| 18.867 | 44.4407 | 17.66 | .Q | . | . | . V | . |
| 18.883 | 44.4649 | 17.59 | .Q | . | . | . V | . |
| 18.900 | 44.4891 | 17.53 | .Q | . | . | . V | . |
| 18.917 | 44.5131 | 17.46 | .Q | . | . | . V | . |
| 18.933 | 44.5371 | 17.39 | .Q | . | . | . V | . |
| 18.950 | 44.5609 | 17.33 | .Q | . | . | . V | . |
| 18.967 | 44.5847 | 17.26 | .Q | . | . | . V | . |
| 18.983 | 44.6084 | 17.19 | .Q | . | . | . V | . |
| 19.000 | 44.6320 | 17.12 | .Q | . | . | . V | . |
| 19.017 | 44.6555 | 17.06 | .Q | . | . | . V | . |
| 19.033 | 44.6789 | 16.99 | .Q | . | . | . V | . |
| 19.050 | 44.7022 | 16.92 | .Q | . | . | . V | . |
| 19.067 | 44.7254 | 16.86 | .Q | . | . | . V | . |
| 19.083 | 44.7485 | 16.80 | .Q | . | . | . V | . |
| 19.100 | 44.7716 | 16.74 | .Q | . | . | . V | . |
| 19.117 | 44.7946 | 16.68 | .Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 44.8175 | 16.62 | .Q | . | . | . | V | . |
| 19.150 | 44.8403 | 16.57 | .Q | . | . | . | V | . |
| 19.167 | 44.8630 | 16.51 | .Q | . | . | . | V | . |
| 19.183 | 44.8857 | 16.45 | .Q | . | . | . | V | . |
| 19.200 | 44.9083 | 16.39 | .Q | . | . | . | V | . |
| 19.217 | 44.9308 | 16.33 | .Q | . | . | . | V | . |
| 19.233 | 44.9532 | 16.28 | .Q | . | . | . | V | . |
| 19.250 | 44.9755 | 16.22 | .Q | . | . | . | V | . |
| 19.267 | 44.9978 | 16.16 | .Q | . | . | . | V | . |
| 19.283 | 45.0200 | 16.10 | .Q | . | . | . | V | . |
| 19.300 | 45.0420 | 16.04 | .Q | . | . | . | V | . |
| 19.317 | 45.0641 | 15.99 | .Q | . | . | . | V | . |
| 19.333 | 45.0860 | 15.93 | .Q | . | . | . | V | . |
| 19.350 | 45.1079 | 15.88 | .Q | . | . | . | V | . |
| 19.367 | 45.1297 | 15.83 | .Q | . | . | . | V | . |
| 19.383 | 45.1514 | 15.78 | .Q | . | . | . | V | . |
| 19.400 | 45.1731 | 15.73 | .Q | . | . | . | V | . |
| 19.417 | 45.1947 | 15.68 | .Q | . | . | . | V | . |
| 19.433 | 45.2162 | 15.63 | .Q | . | . | . | V | . |
| 19.450 | 45.2377 | 15.58 | .Q | . | . | . | V | . |
| 19.467 | 45.2591 | 15.53 | .Q | . | . | . | V | . |
| 19.483 | 45.2804 | 15.48 | .Q | . | . | . | V | . |
| 19.500 | 45.3016 | 15.43 | .Q | . | . | . | V | . |
| 19.517 | 45.3228 | 15.37 | .Q | . | . | . | V | . |
| 19.533 | 45.3439 | 15.32 | .Q | . | . | . | V | . |
| 19.550 | 45.3649 | 15.27 | .Q | . | . | . | V | . |
| 19.567 | 45.3859 | 15.22 | .Q | . | . | . | V | . |
| 19.583 | 45.4068 | 15.17 | .Q | . | . | . | V | . |
| 19.600 | 45.4277 | 15.13 | .Q | . | . | . | V | . |
| 19.617 | 45.4484 | 15.08 | .Q | . | . | . | V | . |
| 19.633 | 45.4691 | 15.04 | .Q | . | . | . | V | . |
| 19.650 | 45.4898 | 14.99 | .Q | . | . | . | V | . |
| 19.667 | 45.5104 | 14.95 | .Q | . | . | . | V | . |
| 19.683 | 45.5309 | 14.90 | .Q | . | . | . | V | . |
| 19.700 | 45.5514 | 14.86 | .Q | . | . | . | V | . |
| 19.717 | 45.5718 | 14.82 | .Q | . | . | . | V | . |
| 19.733 | 45.5921 | 14.77 | .Q | . | . | . | V | . |
| 19.750 | 45.6124 | 14.73 | .Q | . | . | . | V | . |
| 19.767 | 45.6326 | 14.68 | .Q | . | . | . | V | . |
| 19.783 | 45.6528 | 14.64 | .Q | . | . | . | V | . |
| 19.800 | 45.6729 | 14.59 | .Q | . | . | . | V | . |
| 19.817 | 45.6929 | 14.55 | .Q | . | . | . | V | . |
| 19.833 | 45.7129 | 14.50 | .Q | . | . | . | V | . |
| 19.850 | 45.7328 | 14.46 | .Q | . | . | . | V | . |
| 19.867 | 45.7527 | 14.42 | .Q | . | . | . | V | . |
| 19.883 | 45.7725 | 14.38 | .Q | . | . | . | V | . |
| 19.900 | 45.7923 | 14.34 | .Q | . | . | . | V | . |
| 19.917 | 45.8120 | 14.30 | .Q | . | . | . | V | . |
| 19.933 | 45.8316 | 14.26 | .Q | . | . | . | V | . |
| 19.950 | 45.8512 | 14.22 | .Q | . | . | . | V | . |
| 19.967 | 45.8707 | 14.18 | .Q | . | . | . | V | . |
| 19.983 | 45.8902 | 14.14 | .Q | . | . | . | V | . |
| 20.000 | 45.9096 | 14.10 | .Q | . | . | . | V | . |
| 20.017 | 45.9290 | 14.06 | .Q | . | . | . | V | . |
| 20.033 | 45.9483 | 14.02 | .Q | . | . | . | V | . |
| 20.050 | 45.9676 | 13.98 | .Q | . | . | . | V | . |
| 20.067 | 45.9868 | 13.94 | .Q | . | . | . | V | . |
| 20.083 | 46.0060 | 13.90 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 20.100 | 46.0251 | 13.87 | .Q | . | . | . | V | . |
| 20.117 | 46.0441 | 13.83 | .Q | . | . | . | V | . |
| 20.133 | 46.0631 | 13.79 | .Q | . | . | . | V | . |
| 20.150 | 46.0821 | 13.76 | .Q | . | . | . | V | . |
| 20.167 | 46.1010 | 13.72 | .Q | . | . | . | V | . |
| 20.183 | 46.1198 | 13.69 | .Q | . | . | . | V | . |
| 20.200 | 46.1386 | 13.65 | .Q | . | . | . | V | . |
| 20.217 | 46.1574 | 13.62 | .Q | . | . | . | V | . |
| 20.233 | 46.1761 | 13.58 | .Q | . | . | . | V | . |
| 20.250 | 46.1947 | 13.54 | .Q | . | . | . | V | . |
| 20.267 | 46.2133 | 13.51 | .Q | . | . | . | V | . |
| 20.283 | 46.2319 | 13.47 | .Q | . | . | . | V | . |
| 20.300 | 46.2504 | 13.44 | .Q | . | . | . | V | . |
| 20.317 | 46.2689 | 13.40 | .Q | . | . | . | V | . |
| 20.333 | 46.2873 | 13.37 | .Q | . | . | . | V | . |
| 20.350 | 46.3056 | 13.33 | .Q | . | . | . | V | . |
| 20.367 | 46.3240 | 13.30 | .Q | . | . | . | V | . |
| 20.383 | 46.3422 | 13.27 | .Q | . | . | . | V | . |
| 20.400 | 46.3605 | 13.23 | .Q | . | . | . | V | . |
| 20.417 | 46.3786 | 13.20 | .Q | . | . | . | V | . |
| 20.433 | 46.3968 | 13.17 | .Q | . | . | . | V | . |
| 20.450 | 46.4149 | 13.14 | .Q | . | . | . | V | . |
| 20.467 | 46.4329 | 13.10 | .Q | . | . | . | V | . |
| 20.483 | 46.4509 | 13.07 | .Q | . | . | . | V | . |
| 20.500 | 46.4689 | 13.04 | .Q | . | . | . | V | . |
| 20.517 | 46.4868 | 13.01 | .Q | . | . | . | V | . |
| 20.533 | 46.5047 | 12.97 | .Q | . | . | . | V | . |
| 20.550 | 46.5225 | 12.94 | .Q | . | . | . | V | . |
| 20.567 | 46.5403 | 12.91 | .Q | . | . | . | V | . |
| 20.583 | 46.5580 | 12.88 | .Q | . | . | . | V | . |
| 20.600 | 46.5757 | 12.85 | .Q | . | . | . | V | . |
| 20.617 | 46.5934 | 12.82 | .Q | . | . | . | V | . |
| 20.633 | 46.6110 | 12.79 | .Q | . | . | . | V | . |
| 20.650 | 46.6285 | 12.76 | .Q | . | . | . | V | . |
| 20.667 | 46.6461 | 12.73 | .Q | . | . | . | V | . |
| 20.683 | 46.6636 | 12.70 | .Q | . | . | . | V | . |
| 20.700 | 46.6810 | 12.67 | .Q | . | . | . | V | . |
| 20.717 | 46.6984 | 12.64 | .Q | . | . | . | V | . |
| 20.733 | 46.7158 | 12.61 | .Q | . | . | . | V | . |
| 20.750 | 46.7331 | 12.58 | .Q | . | . | . | V | . |
| 20.767 | 46.7504 | 12.55 | .Q | . | . | . | V | . |
| 20.783 | 46.7677 | 12.52 | .Q | . | . | . | V | . |
| 20.800 | 46.7849 | 12.49 | .Q | . | . | . | V | . |
| 20.817 | 46.8020 | 12.46 | .Q | . | . | . | V | . |
| 20.833 | 46.8192 | 12.43 | .Q | . | . | . | V | . |
| 20.850 | 46.8362 | 12.40 | .Q | . | . | . | V | . |
| 20.867 | 46.8533 | 12.38 | .Q | . | . | . | V | . |
| 20.883 | 46.8703 | 12.35 | .Q | . | . | . | V | . |
| 20.900 | 46.8873 | 12.32 | .Q | . | . | . | V | . |
| 20.917 | 46.9042 | 12.30 | .Q | . | . | . | V | . |
| 20.933 | 46.9211 | 12.27 | .Q | . | . | . | V | . |
| 20.950 | 46.9380 | 12.24 | .Q | . | . | . | V | . |
| 20.967 | 46.9548 | 12.21 | .Q | . | . | . | V | . |
| 20.983 | 46.9716 | 12.19 | .Q | . | . | . | V | . |
| 21.000 | 46.9883 | 12.16 | .Q | . | . | . | V | . |
| 21.017 | 47.0050 | 12.13 | .Q | . | . | . | V | . |
| 21.033 | 47.0217 | 12.11 | .Q | . | . | . | V | . |
| 21.050 | 47.0384 | 12.08 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 21.067 | 47.0550 | 12.05 | .Q | . | . | . | V | . |
| 21.083 | 47.0715 | 12.03 | .Q | . | . | . | V | . |
| 21.100 | 47.0881 | 12.00 | .Q | . | . | . | V | . |
| 21.117 | 47.1045 | 11.97 | .Q | . | . | . | V | . |
| 21.133 | 47.1210 | 11.95 | .Q | . | . | . | V | . |
| 21.150 | 47.1374 | 11.92 | .Q | . | . | . | V | . |
| 21.167 | 47.1538 | 11.90 | .Q | . | . | . | V | . |
| 21.183 | 47.1702 | 11.87 | .Q | . | . | . | V | . |
| 21.200 | 47.1865 | 11.85 | .Q | . | . | . | V | . |
| 21.217 | 47.2028 | 11.83 | .Q | . | . | . | V | . |
| 21.233 | 47.2190 | 11.80 | .Q | . | . | . | V | . |
| 21.250 | 47.2353 | 11.78 | .Q | . | . | . | V | . |
| 21.267 | 47.2514 | 11.75 | .Q | . | . | . | V | . |
| 21.283 | 47.2676 | 11.73 | .Q | . | . | . | V | . |
| 21.300 | 47.2837 | 11.70 | .Q | . | . | . | V | . |
| 21.317 | 47.2998 | 11.68 | .Q | . | . | . | V | . |
| 21.333 | 47.3158 | 11.65 | .Q | . | . | . | V | . |
| 21.350 | 47.3319 | 11.63 | .Q | . | . | . | V | . |
| 21.367 | 47.3478 | 11.60 | .Q | . | . | . | V | . |
| 21.383 | 47.3638 | 11.58 | .Q | . | . | . | V | . |
| 21.400 | 47.3797 | 11.56 | .Q | . | . | . | V | . |
| 21.417 | 47.3956 | 11.53 | .Q | . | . | . | V | . |
| 21.433 | 47.4115 | 11.51 | .Q | . | . | . | V | . |
| 21.450 | 47.4273 | 11.49 | .Q | . | . | . | V | . |
| 21.467 | 47.4431 | 11.47 | .Q | . | . | . | V | . |
| 21.483 | 47.4588 | 11.44 | .Q | . | . | . | V | . |
| 21.500 | 47.4746 | 11.42 | .Q | . | . | . | V | . |
| 21.517 | 47.4903 | 11.40 | .Q | . | . | . | V | . |
| 21.533 | 47.5059 | 11.38 | .Q | . | . | . | V | . |
| 21.550 | 47.5216 | 11.35 | .Q | . | . | . | V | . |
| 21.567 | 47.5372 | 11.33 | .Q | . | . | . | V | . |
| 21.583 | 47.5528 | 11.31 | .Q | . | . | . | V | . |
| 21.600 | 47.5683 | 11.28 | .Q | . | . | . | V | . |
| 21.617 | 47.5838 | 11.26 | .Q | . | . | . | V | . |
| 21.633 | 47.5993 | 11.24 | .Q | . | . | . | V | . |
| 21.650 | 47.6147 | 11.22 | .Q | . | . | . | V | . |
| 21.667 | 47.6302 | 11.20 | .Q | . | . | . | V | . |
| 21.683 | 47.6456 | 11.18 | .Q | . | . | . | V | . |
| 21.700 | 47.6609 | 11.16 | .Q | . | . | . | V | . |
| 21.717 | 47.6763 | 11.13 | .Q | . | . | . | V | . |
| 21.733 | 47.6916 | 11.11 | .Q | . | . | . | V | . |
| 21.750 | 47.7068 | 11.09 | .Q | . | . | . | V | . |
| 21.767 | 47.7221 | 11.07 | .Q | . | . | . | V | . |
| 21.783 | 47.7373 | 11.05 | Q | . | . | . | V | . |
| 21.800 | 47.7525 | 11.03 | Q | . | . | . | V | . |
| 21.817 | 47.7677 | 11.01 | Q | . | . | . | V | . |
| 21.833 | 47.7828 | 10.99 | Q | . | . | . | V | . |
| 21.850 | 47.7979 | 10.97 | Q | . | . | . | V | . |
| 21.867 | 47.8130 | 10.94 | Q | . | . | . | V | . |
| 21.883 | 47.8280 | 10.92 | Q | . | . | . | V | . |
| 21.900 | 47.8431 | 10.90 | Q | . | . | . | V | . |
| 21.917 | 47.8580 | 10.89 | Q | . | . | . | V | . |
| 21.933 | 47.8730 | 10.87 | Q | . | . | . | V | . |
| 21.950 | 47.8879 | 10.85 | Q | . | . | . | V | . |
| 21.967 | 47.9029 | 10.83 | Q | . | . | . | V | . |
| 21.983 | 47.9177 | 10.81 | Q | . | . | . | V | . |
| 22.000 | 47.9326 | 10.79 | Q | . | . | . | V | . |
| 22.017 | 47.9474 | 10.77 | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|
| 22.033 | 47.9622 | 10.75 | Q | . | . | . | V | . |
| 22.050 | 47.9770 | 10.73 | Q | . | . | . | V | . |
| 22.067 | 47.9918 | 10.71 | Q | . | . | . | V | . |
| 22.083 | 48.0065 | 10.69 | Q | . | . | . | V | . |
| 22.100 | 48.0212 | 10.67 | Q | . | . | . | V | . |
| 22.117 | 48.0359 | 10.65 | Q | . | . | . | V | . |
| 22.133 | 48.0505 | 10.63 | Q | . | . | . | V | . |
| 22.150 | 48.0651 | 10.61 | Q | . | . | . | V | . |
| 22.167 | 48.0797 | 10.59 | Q | . | . | . | V | . |
| 22.183 | 48.0943 | 10.58 | Q | . | . | . | V | . |
| 22.200 | 48.1088 | 10.56 | Q | . | . | . | V | . |
| 22.217 | 48.1233 | 10.54 | Q | . | . | . | V | . |
| 22.233 | 48.1378 | 10.52 | Q | . | . | . | V | . |
| 22.250 | 48.1523 | 10.50 | Q | . | . | . | V | . |
| 22.267 | 48.1667 | 10.48 | Q | . | . | . | V | . |
| 22.283 | 48.1812 | 10.47 | Q | . | . | . | V | . |
| 22.300 | 48.1955 | 10.45 | Q | . | . | . | V | . |
| 22.317 | 48.2099 | 10.43 | Q | . | . | . | V | . |
| 22.333 | 48.2242 | 10.41 | Q | . | . | . | V | . |
| 22.350 | 48.2386 | 10.39 | Q | . | . | . | V | . |
| 22.367 | 48.2529 | 10.37 | Q | . | . | . | V | . |
| 22.383 | 48.2671 | 10.36 | Q | . | . | . | V | . |
| 22.400 | 48.2814 | 10.34 | Q | . | . | . | V | . |
| 22.417 | 48.2956 | 10.32 | Q | . | . | . | V | . |
| 22.433 | 48.3098 | 10.30 | Q | . | . | . | V | . |
| 22.450 | 48.3239 | 10.29 | Q | . | . | . | V | . |
| 22.467 | 48.3381 | 10.27 | Q | . | . | . | V | . |
| 22.483 | 48.3522 | 10.25 | Q | . | . | . | V | . |
| 22.500 | 48.3663 | 10.24 | Q | . | . | . | V | . |
| 22.517 | 48.3804 | 10.22 | Q | . | . | . | V | . |
| 22.533 | 48.3944 | 10.20 | Q | . | . | . | V | . |
| 22.550 | 48.4085 | 10.19 | Q | . | . | . | V | . |
| 22.567 | 48.4225 | 10.17 | Q | . | . | . | V | . |
| 22.583 | 48.4365 | 10.15 | Q | . | . | . | V | . |
| 22.600 | 48.4504 | 10.13 | Q | . | . | . | V | . |
| 22.617 | 48.4644 | 10.12 | Q | . | . | . | V | . |
| 22.633 | 48.4783 | 10.10 | Q | . | . | . | V | . |
| 22.650 | 48.4922 | 10.08 | Q | . | . | . | V | . |
| 22.667 | 48.5060 | 10.07 | Q | . | . | . | V | . |
| 22.683 | 48.5199 | 10.05 | Q | . | . | . | V | . |
| 22.700 | 48.5337 | 10.04 | Q | . | . | . | V | . |
| 22.717 | 48.5475 | 10.02 | Q | . | . | . | V | . |
| 22.733 | 48.5613 | 10.00 | Q | . | . | . | V | . |
| 22.750 | 48.5750 | 9.99 | Q | . | . | . | V | . |
| 22.767 | 48.5888 | 9.97 | Q | . | . | . | V | . |
| 22.783 | 48.6025 | 9.96 | Q | . | . | . | V | . |
| 22.800 | 48.6162 | 9.94 | Q | . | . | . | V | . |
| 22.817 | 48.6298 | 9.92 | Q | . | . | . | V | . |
| 22.833 | 48.6435 | 9.91 | Q | . | . | . | V | . |
| 22.850 | 48.6571 | 9.89 | Q | . | . | . | V | . |
| 22.867 | 48.6707 | 9.88 | Q | . | . | . | V | . |
| 22.883 | 48.6843 | 9.86 | Q | . | . | . | V | . |
| 22.900 | 48.6978 | 9.84 | Q | . | . | . | V | . |
| 22.917 | 48.7114 | 9.83 | Q | . | . | . | V | . |
| 22.933 | 48.7249 | 9.81 | Q | . | . | . | V | . |
| 22.950 | 48.7384 | 9.80 | Q | . | . | . | V | . |
| 22.967 | 48.7519 | 9.78 | Q | . | . | . | V | . |
| 22.983 | 48.7653 | 9.77 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.000 | 48.7788 | 9.75 | Q | . | . | . | V. |
| 23.017 | 48.7922 | 9.74 | Q | . | . | . | V. |
| 23.033 | 48.8056 | 9.72 | Q | . | . | . | V. |
| 23.050 | 48.8189 | 9.71 | Q | . | . | . | V. |
| 23.067 | 48.8323 | 9.69 | Q | . | . | . | V. |
| 23.083 | 48.8456 | 9.68 | Q | . | . | . | V. |
| 23.100 | 48.8589 | 9.66 | Q | . | . | . | V. |
| 23.117 | 48.8722 | 9.65 | Q | . | . | . | V. |
| 23.133 | 48.8855 | 9.63 | Q | . | . | . | V. |
| 23.150 | 48.8987 | 9.62 | Q | . | . | . | V. |
| 23.167 | 48.9120 | 9.60 | Q | . | . | . | V. |
| 23.183 | 48.9252 | 9.59 | Q | . | . | . | V. |
| 23.200 | 48.9384 | 9.58 | Q | . | . | . | V. |
| 23.217 | 48.9515 | 9.56 | Q | . | . | . | V. |
| 23.233 | 48.9647 | 9.55 | Q | . | . | . | V. |
| 23.250 | 48.9778 | 9.53 | Q | . | . | . | V. |
| 23.267 | 48.9909 | 9.52 | Q | . | . | . | V. |
| 23.283 | 49.0040 | 9.51 | Q | . | . | . | V. |
| 23.300 | 49.0171 | 9.49 | Q | . | . | . | V. |
| 23.317 | 49.0302 | 9.48 | Q | . | . | . | V. |
| 23.333 | 49.0432 | 9.46 | Q | . | . | . | V. |
| 23.350 | 49.0562 | 9.45 | Q | . | . | . | V. |
| 23.367 | 49.0692 | 9.43 | Q | . | . | . | V. |
| 23.383 | 49.0822 | 9.42 | Q | . | . | . | V. |
| 23.400 | 49.0951 | 9.41 | Q | . | . | . | V. |
| 23.417 | 49.1081 | 9.39 | Q | . | . | . | V. |
| 23.433 | 49.1210 | 9.38 | Q | . | . | . | V. |
| 23.450 | 49.1339 | 9.37 | Q | . | . | . | V. |
| 23.467 | 49.1468 | 9.35 | Q | . | . | . | V. |
| 23.483 | 49.1596 | 9.34 | Q | . | . | . | V. |
| 23.500 | 49.1725 | 9.33 | Q | . | . | . | V. |
| 23.517 | 49.1853 | 9.31 | Q | . | . | . | V. |
| 23.533 | 49.1981 | 9.30 | Q | . | . | . | V. |
| 23.550 | 49.2109 | 9.29 | Q | . | . | . | V. |
| 23.567 | 49.2237 | 9.27 | Q | . | . | . | V. |
| 23.583 | 49.2364 | 9.26 | Q | . | . | . | V. |
| 23.600 | 49.2492 | 9.25 | Q | . | . | . | V. |
| 23.617 | 49.2619 | 9.23 | Q | . | . | . | V. |
| 23.633 | 49.2746 | 9.22 | Q | . | . | . | V. |
| 23.650 | 49.2873 | 9.21 | Q | . | . | . | V. |
| 23.667 | 49.2999 | 9.19 | Q | . | . | . | V. |
| 23.683 | 49.3126 | 9.18 | Q | . | . | . | V. |
| 23.700 | 49.3252 | 9.17 | Q | . | . | . | V. |
| 23.717 | 49.3378 | 9.15 | Q | . | . | . | V. |
| 23.733 | 49.3504 | 9.14 | Q | . | . | . | V. |
| 23.750 | 49.3630 | 9.13 | Q | . | . | . | V. |
| 23.767 | 49.3755 | 9.12 | Q | . | . | . | V. |
| 23.783 | 49.3881 | 9.10 | Q | . | . | . | V. |
| 23.800 | 49.4006 | 9.09 | Q | . | . | . | V. |
| 23.817 | 49.4131 | 9.08 | Q | . | . | . | V. |
| 23.833 | 49.4256 | 9.07 | Q | . | . | . | V. |
| 23.850 | 49.4381 | 9.05 | Q | . | . | . | V. |
| 23.867 | 49.4505 | 9.04 | Q | . | . | . | V. |
| 23.883 | 49.4629 | 9.03 | Q | . | . | . | V. |
| 23.900 | 49.4754 | 9.02 | Q | . | . | . | V. |
| 23.917 | 49.4878 | 9.00 | Q | . | . | . | V. |
| 23.933 | 49.5001 | 8.99 | Q | . | . | . | V. |
| 23.950 | 49.5125 | 8.98 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.967 | 49.5249 | 8.97 | Q | . | . | . | V. |
| 23.983 | 49.5372 | 8.95 | Q | . | . | . | V. |
| 24.000 | 49.5495 | 8.94 | 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% | 710.0 |
| 20% | 215.0 |
| 30% | 135.0 |
| 40% | 115.0 |
| 50% | 95.0 |
| 60% | 80.0 |
| 70% | 60.0 |
| 80% | 40.0 |
| 90% | 20.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1264

Analysis prepared by:

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***** DESCRIPTION OF STUDY *****
* RMV PA-3 SUBAREA A *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 10-YR EV MARCH 2019 CCHIU *

FILE NAME: 3A10EVS.DAT
TIME/DATE OF STUDY: 14:56 03/13/2019

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 100.00 TO NODE 130.00 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) = 510.20
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.130
LOW LOSS FRACTION = 0.350
TIME OF CONCENTRATION (MIN.) = 14.40
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.26
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.59
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.78
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.31
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.81
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.03

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 80.28

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 48.55

=====
 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. | 186.8 | 373.6 | 560.4 | 747.2 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 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 | 0.0001 | 0.08 | Q | . | . | . | . |
| 0.183 | 0.0013 | 0.88 | Q | . | . | . | . |
| 0.200 | 0.0039 | 1.87 | Q | . | . | . | . |
| 0.217 | 0.0078 | 2.85 | Q | . | . | . | . |
| 0.233 | 0.0131 | 3.83 | Q | . | . | . | . |
| 0.250 | 0.0197 | 4.81 | Q | . | . | . | . |
| 0.267 | 0.0277 | 5.79 | Q | . | . | . | . |
| 0.283 | 0.0370 | 6.77 | Q | . | . | . | . |
| 0.300 | 0.0477 | 7.76 | Q | . | . | . | . |
| 0.317 | 0.0598 | 8.74 | Q | . | . | . | . |
| 0.333 | 0.0731 | 9.72 | Q | . | . | . | . |
| 0.350 | 0.0879 | 10.70 | Q | . | . | . | . |
| 0.367 | 0.1040 | 11.68 | Q | . | . | . | . |
| 0.383 | 0.1214 | 12.67 | Q | . | . | . | . |
| 0.400 | 0.1402 | 13.65 | Q | . | . | . | . |
| 0.417 | 0.1597 | 14.14 | Q | . | . | . | . |
| 0.433 | 0.1792 | 14.15 | Q | . | . | . | . |
| 0.450 | 0.1987 | 14.15 | Q | . | . | . | . |
| 0.467 | 0.2182 | 14.16 | Q | . | . | . | . |
| 0.483 | 0.2377 | 14.17 | Q | . | . | . | . |
| 0.500 | 0.2572 | 14.17 | Q | . | . | . | . |
| 0.517 | 0.2768 | 14.18 | Q | . | . | . | . |
| 0.533 | 0.2963 | 14.19 | Q | . | . | . | . |
| 0.550 | 0.3158 | 14.19 | Q | . | . | . | . |
| 0.567 | 0.3354 | 14.20 | Q | . | . | . | . |
| 0.583 | 0.3550 | 14.21 | Q | . | . | . | . |
| 0.600 | 0.3745 | 14.21 | Q | . | . | . | . |
| 0.617 | 0.3941 | 14.22 | Q | . | . | . | . |
| 0.633 | 0.4137 | 14.22 | Q | . | . | . | . |
| 0.650 | 0.4333 | 14.23 | Q | . | . | . | . |
| 0.667 | 0.4529 | 14.24 | Q | . | . | . | . |
| 0.683 | 0.4726 | 14.26 | Q | . | . | . | . |
| 0.700 | 0.4922 | 14.27 | Q | . | . | . | . |
| 0.717 | 0.5119 | 14.28 | Q | . | . | . | . |
| 0.733 | 0.5316 | 14.30 | Q | . | . | . | . |
| 0.750 | 0.5513 | 14.31 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|---|---|---|---|---|
| 0.767 | 0.5710 | 14.32 | Q | . | . | . | . |
| 0.783 | 0.5908 | 14.33 | Q | . | . | . | . |
| 0.800 | 0.6105 | 14.35 | Q | . | . | . | . |
| 0.817 | 0.6303 | 14.36 | Q | . | . | . | . |
| 0.833 | 0.6501 | 14.37 | Q | . | . | . | . |
| 0.850 | 0.6699 | 14.39 | Q | . | . | . | . |
| 0.867 | 0.6898 | 14.40 | Q | . | . | . | . |
| 0.883 | 0.7096 | 14.41 | Q | . | . | . | . |
| 0.900 | 0.7295 | 14.42 | Q | . | . | . | . |
| 0.917 | 0.7494 | 14.43 | Q | . | . | . | . |
| 0.933 | 0.7692 | 14.43 | Q | . | . | . | . |
| 0.950 | 0.7891 | 14.44 | Q | . | . | . | . |
| 0.967 | 0.8090 | 14.45 | Q | . | . | . | . |
| 0.983 | 0.8289 | 14.45 | Q | . | . | . | . |
| 1.000 | 0.8489 | 14.46 | Q | . | . | . | . |
| 1.017 | 0.8688 | 14.47 | Q | . | . | . | . |
| 1.033 | 0.8887 | 14.47 | Q | . | . | . | . |
| 1.050 | 0.9087 | 14.48 | Q | . | . | . | . |
| 1.067 | 0.9286 | 14.49 | Q | . | . | . | . |
| 1.083 | 0.9486 | 14.49 | Q | . | . | . | . |
| 1.100 | 0.9686 | 14.50 | Q | . | . | . | . |
| 1.117 | 0.9885 | 14.51 | Q | . | . | . | . |
| 1.133 | 1.0085 | 14.52 | Q | . | . | . | . |
| 1.150 | 1.0285 | 14.53 | Q | . | . | . | . |
| 1.167 | 1.0486 | 14.54 | Q | . | . | . | . |
| 1.183 | 1.0686 | 14.56 | Q | . | . | . | . |
| 1.200 | 1.0887 | 14.57 | Q | . | . | . | . |
| 1.217 | 1.1088 | 14.58 | Q | . | . | . | . |
| 1.233 | 1.1289 | 14.60 | Q | . | . | . | . |
| 1.250 | 1.1490 | 14.61 | Q | . | . | . | . |
| 1.267 | 1.1692 | 14.62 | Q | . | . | . | . |
| 1.283 | 1.1893 | 14.64 | Q | . | . | . | . |
| 1.300 | 1.2095 | 14.65 | Q | . | . | . | . |
| 1.317 | 1.2297 | 14.67 | Q | . | . | . | . |
| 1.333 | 1.2499 | 14.68 | Q | . | . | . | . |
| 1.350 | 1.2702 | 14.69 | Q | . | . | . | . |
| 1.367 | 1.2904 | 14.71 | Q | . | . | . | . |
| 1.383 | 1.3107 | 14.71 | Q | . | . | . | . |
| 1.400 | 1.3310 | 14.72 | Q | . | . | . | . |
| 1.417 | 1.3513 | 14.73 | Q | . | . | . | . |
| 1.433 | 1.3716 | 14.74 | Q | . | . | . | . |
| 1.450 | 1.3919 | 14.74 | Q | . | . | . | . |
| 1.467 | 1.4122 | 14.75 | Q | . | . | . | . |
| 1.483 | 1.4325 | 14.76 | Q | . | . | . | . |
| 1.500 | 1.4528 | 14.76 | Q | . | . | . | . |
| 1.517 | 1.4732 | 14.77 | Q | . | . | . | . |
| 1.533 | 1.4935 | 14.78 | Q | . | . | . | . |
| 1.550 | 1.5139 | 14.78 | Q | . | . | . | . |
| 1.567 | 1.5343 | 14.79 | Q | . | . | . | . |
| 1.583 | 1.5547 | 14.80 | Q | . | . | . | . |
| 1.600 | 1.5751 | 14.81 | Q | . | . | . | . |
| 1.617 | 1.5955 | 14.82 | Q | . | . | . | . |
| 1.633 | 1.6159 | 14.83 | Q | . | . | . | . |
| 1.650 | 1.6363 | 14.84 | Q | . | . | . | . |
| 1.667 | 1.6568 | 14.86 | Q | . | . | . | . |
| 1.683 | 1.6773 | 14.87 | Q | . | . | . | . |
| 1.700 | 1.6978 | 14.89 | Q | . | . | . | . |
| 1.717 | 1.7183 | 14.90 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|----|---|---|---|---|
| 1.733 | 1.7389 | 14.92 | Q | . | . | . | . |
| 1.750 | 1.7594 | 14.93 | Q | . | . | . | . |
| 1.767 | 1.7800 | 14.95 | Q | . | . | . | . |
| 1.783 | 1.8006 | 14.96 | Q | . | . | . | . |
| 1.800 | 1.8213 | 14.97 | Q | . | . | . | . |
| 1.817 | 1.8419 | 14.99 | Q | . | . | . | . |
| 1.833 | 1.8626 | 15.00 | Q | . | . | . | . |
| 1.850 | 1.8833 | 15.02 | Q | . | . | . | . |
| 1.867 | 1.9039 | 15.02 | Q | . | . | . | . |
| 1.883 | 1.9247 | 15.03 | Q | . | . | . | . |
| 1.900 | 1.9454 | 15.04 | Q | . | . | . | . |
| 1.917 | 1.9661 | 15.05 | Q | . | . | . | . |
| 1.933 | 1.9868 | 15.05 | Q | . | . | . | . |
| 1.950 | 2.0076 | 15.06 | QV | . | . | . | . |
| 1.967 | 2.0283 | 15.07 | QV | . | . | . | . |
| 1.983 | 2.0491 | 15.08 | QV | . | . | . | . |
| 2.000 | 2.0699 | 15.08 | QV | . | . | . | . |
| 2.017 | 2.0907 | 15.09 | QV | . | . | . | . |
| 2.033 | 2.1115 | 15.10 | QV | . | . | . | . |
| 2.050 | 2.1323 | 15.11 | QV | . | . | . | . |
| 2.067 | 2.1531 | 15.11 | QV | . | . | . | . |
| 2.083 | 2.1739 | 15.12 | QV | . | . | . | . |
| 2.100 | 2.1947 | 15.13 | QV | . | . | . | . |
| 2.117 | 2.2156 | 15.15 | QV | . | . | . | . |
| 2.133 | 2.2365 | 15.16 | QV | . | . | . | . |
| 2.150 | 2.2574 | 15.18 | QV | . | . | . | . |
| 2.167 | 2.2783 | 15.19 | QV | . | . | . | . |
| 2.183 | 2.2993 | 15.21 | QV | . | . | . | . |
| 2.200 | 2.3202 | 15.22 | QV | . | . | . | . |
| 2.217 | 2.3412 | 15.24 | QV | . | . | . | . |
| 2.233 | 2.3622 | 15.25 | QV | . | . | . | . |
| 2.250 | 2.3833 | 15.27 | QV | . | . | . | . |
| 2.267 | 2.4043 | 15.28 | QV | . | . | . | . |
| 2.283 | 2.4254 | 15.30 | QV | . | . | . | . |
| 2.300 | 2.4465 | 15.32 | QV | . | . | . | . |
| 2.317 | 2.4676 | 15.33 | QV | . | . | . | . |
| 2.333 | 2.4888 | 15.34 | QV | . | . | . | . |
| 2.350 | 2.5099 | 15.35 | QV | . | . | . | . |
| 2.367 | 2.5311 | 15.36 | QV | . | . | . | . |
| 2.383 | 2.5522 | 15.37 | QV | . | . | . | . |
| 2.400 | 2.5734 | 15.37 | QV | . | . | . | . |
| 2.417 | 2.5946 | 15.38 | QV | . | . | . | . |
| 2.433 | 2.6158 | 15.39 | QV | . | . | . | . |
| 2.450 | 2.6370 | 15.40 | QV | . | . | . | . |
| 2.467 | 2.6582 | 15.41 | QV | . | . | . | . |
| 2.483 | 2.6794 | 15.41 | QV | . | . | . | . |
| 2.500 | 2.7007 | 15.42 | QV | . | . | . | . |
| 2.517 | 2.7219 | 15.43 | QV | . | . | . | . |
| 2.533 | 2.7432 | 15.44 | QV | . | . | . | . |
| 2.550 | 2.7645 | 15.45 | QV | . | . | . | . |
| 2.567 | 2.7858 | 15.45 | QV | . | . | . | . |
| 2.583 | 2.8071 | 15.47 | QV | . | . | . | . |
| 2.600 | 2.8284 | 15.48 | QV | . | . | . | . |
| 2.617 | 2.8497 | 15.50 | QV | . | . | . | . |
| 2.633 | 2.8711 | 15.52 | QV | . | . | . | . |
| 2.650 | 2.8925 | 15.53 | QV | . | . | . | . |
| 2.667 | 2.9139 | 15.55 | QV | . | . | . | . |
| 2.683 | 2.9354 | 15.56 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 2.700 | 2.9568 | 15.58 | QV | . | . | . | . |
| 2.717 | 2.9783 | 15.60 | QV | . | . | . | . |
| 2.733 | 2.9998 | 15.61 | QV | . | . | . | . |
| 2.750 | 3.0213 | 15.63 | QV | . | . | . | . |
| 2.767 | 3.0429 | 15.64 | QV | . | . | . | . |
| 2.783 | 3.0645 | 15.66 | QV | . | . | . | . |
| 2.800 | 3.0861 | 15.68 | QV | . | . | . | . |
| 2.817 | 3.1077 | 15.69 | QV | . | . | . | . |
| 2.833 | 3.1293 | 15.70 | QV | . | . | . | . |
| 2.850 | 3.1509 | 15.71 | QV | . | . | . | . |
| 2.867 | 3.1726 | 15.71 | QV | . | . | . | . |
| 2.883 | 3.1942 | 15.72 | QV | . | . | . | . |
| 2.900 | 3.2159 | 15.73 | QV | . | . | . | . |
| 2.917 | 3.2376 | 15.74 | QV | . | . | . | . |
| 2.933 | 3.2593 | 15.75 | QV | . | . | . | . |
| 2.950 | 3.2810 | 15.76 | QV | . | . | . | . |
| 2.967 | 3.3027 | 15.76 | QV | . | . | . | . |
| 2.983 | 3.3244 | 15.77 | QV | . | . | . | . |
| 3.000 | 3.3461 | 15.78 | QV | . | . | . | . |
| 3.017 | 3.3679 | 15.79 | QV | . | . | . | . |
| 3.033 | 3.3896 | 15.80 | QV | . | . | . | . |
| 3.050 | 3.4114 | 15.81 | QV | . | . | . | . |
| 3.067 | 3.4332 | 15.82 | QV | . | . | . | . |
| 3.083 | 3.4550 | 15.84 | QV | . | . | . | . |
| 3.100 | 3.4769 | 15.86 | QV | . | . | . | . |
| 3.117 | 3.4987 | 15.87 | QV | . | . | . | . |
| 3.133 | 3.5206 | 15.89 | QV | . | . | . | . |
| 3.150 | 3.5425 | 15.91 | QV | . | . | . | . |
| 3.167 | 3.5645 | 15.93 | QV | . | . | . | . |
| 3.183 | 3.5864 | 15.94 | QV | . | . | . | . |
| 3.200 | 3.6084 | 15.96 | QV | . | . | . | . |
| 3.217 | 3.6304 | 15.98 | QV | . | . | . | . |
| 3.233 | 3.6525 | 15.99 | QV | . | . | . | . |
| 3.250 | 3.6745 | 16.01 | QV | . | . | . | . |
| 3.267 | 3.6966 | 16.03 | QV | . | . | . | . |
| 3.283 | 3.7187 | 16.04 | QV | . | . | . | . |
| 3.300 | 3.7408 | 16.06 | QV | . | . | . | . |
| 3.317 | 3.7629 | 16.06 | QV | . | . | . | . |
| 3.333 | 3.7851 | 16.07 | QV | . | . | . | . |
| 3.350 | 3.8072 | 16.08 | QV | . | . | . | . |
| 3.367 | 3.8294 | 16.09 | QV | . | . | . | . |
| 3.383 | 3.8516 | 16.10 | QV | . | . | . | . |
| 3.400 | 3.8738 | 16.11 | QV | . | . | . | . |
| 3.417 | 3.8960 | 16.12 | QV | . | . | . | . |
| 3.433 | 3.9182 | 16.13 | QV | . | . | . | . |
| 3.450 | 3.9404 | 16.13 | QV | . | . | . | . |
| 3.467 | 3.9626 | 16.14 | QV | . | . | . | . |
| 3.483 | 3.9849 | 16.15 | QV | . | . | . | . |
| 3.500 | 4.0071 | 16.16 | QV | . | . | . | . |
| 3.517 | 4.0294 | 16.17 | Q V | . | . | . | . |
| 3.533 | 4.0517 | 16.18 | Q V | . | . | . | . |
| 3.550 | 4.0740 | 16.20 | Q V | . | . | . | . |
| 3.567 | 4.0963 | 16.22 | Q V | . | . | . | . |
| 3.583 | 4.1187 | 16.24 | Q V | . | . | . | . |
| 3.600 | 4.1411 | 16.25 | Q V | . | . | . | . |
| 3.617 | 4.1635 | 16.27 | Q V | . | . | . | . |
| 3.633 | 4.1860 | 16.29 | Q V | . | . | . | . |
| 3.650 | 4.2084 | 16.31 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 3.667 | 4.2309 | 16.33 | Q V | . | . | . | . |
| 3.683 | 4.2534 | 16.34 | Q V | . | . | . | . |
| 3.700 | 4.2760 | 16.36 | Q V | . | . | . | . |
| 3.717 | 4.2985 | 16.38 | Q V | . | . | . | . |
| 3.733 | 4.3211 | 16.40 | Q V | . | . | . | . |
| 3.750 | 4.3437 | 16.42 | Q V | . | . | . | . |
| 3.767 | 4.3664 | 16.43 | Q V | . | . | . | . |
| 3.783 | 4.3890 | 16.45 | Q V | . | . | . | . |
| 3.800 | 4.4117 | 16.46 | Q V | . | . | . | . |
| 3.817 | 4.4344 | 16.46 | Q V | . | . | . | . |
| 3.833 | 4.4570 | 16.47 | Q V | . | . | . | . |
| 3.850 | 4.4798 | 16.48 | Q V | . | . | . | . |
| 3.867 | 4.5025 | 16.49 | Q V | . | . | . | . |
| 3.883 | 4.5252 | 16.50 | Q V | . | . | . | . |
| 3.900 | 4.5479 | 16.51 | Q V | . | . | . | . |
| 3.917 | 4.5707 | 16.52 | Q V | . | . | . | . |
| 3.933 | 4.5935 | 16.53 | Q V | . | . | . | . |
| 3.950 | 4.6162 | 16.54 | Q V | . | . | . | . |
| 3.967 | 4.6390 | 16.55 | Q V | . | . | . | . |
| 3.983 | 4.6618 | 16.56 | Q V | . | . | . | . |
| 4.000 | 4.6847 | 16.57 | Q V | . | . | . | . |
| 4.017 | 4.7075 | 16.58 | Q V | . | . | . | . |
| 4.033 | 4.7304 | 16.60 | Q V | . | . | . | . |
| 4.050 | 4.7533 | 16.62 | Q V | . | . | . | . |
| 4.067 | 4.7762 | 16.64 | Q V | . | . | . | . |
| 4.083 | 4.7991 | 16.66 | Q V | . | . | . | . |
| 4.100 | 4.8221 | 16.68 | Q V | . | . | . | . |
| 4.117 | 4.8451 | 16.70 | Q V | . | . | . | . |
| 4.133 | 4.8681 | 16.72 | Q V | . | . | . | . |
| 4.150 | 4.8912 | 16.74 | Q V | . | . | . | . |
| 4.167 | 4.9143 | 16.76 | Q V | . | . | . | . |
| 4.183 | 4.9374 | 16.77 | Q V | . | . | . | . |
| 4.200 | 4.9605 | 16.79 | Q V | . | . | . | . |
| 4.217 | 4.9837 | 16.81 | Q V | . | . | . | . |
| 4.233 | 5.0068 | 16.83 | Q V | . | . | . | . |
| 4.250 | 5.0301 | 16.85 | Q V | . | . | . | . |
| 4.267 | 5.0533 | 16.86 | Q V | . | . | . | . |
| 4.283 | 5.0765 | 16.87 | Q V | . | . | . | . |
| 4.300 | 5.0998 | 16.88 | Q V | . | . | . | . |
| 4.317 | 5.1230 | 16.89 | Q V | . | . | . | . |
| 4.333 | 5.1463 | 16.90 | Q V | . | . | . | . |
| 4.350 | 5.1696 | 16.91 | Q V | . | . | . | . |
| 4.367 | 5.1929 | 16.92 | Q V | . | . | . | . |
| 4.383 | 5.2162 | 16.93 | Q V | . | . | . | . |
| 4.400 | 5.2396 | 16.94 | Q V | . | . | . | . |
| 4.417 | 5.2629 | 16.95 | Q V | . | . | . | . |
| 4.433 | 5.2863 | 16.96 | Q V | . | . | . | . |
| 4.450 | 5.3097 | 16.97 | Q V | . | . | . | . |
| 4.467 | 5.3330 | 16.98 | Q V | . | . | . | . |
| 4.483 | 5.3565 | 16.99 | Q V | . | . | . | . |
| 4.500 | 5.3799 | 17.01 | Q V | . | . | . | . |
| 4.517 | 5.4033 | 17.03 | Q V | . | . | . | . |
| 4.533 | 5.4268 | 17.05 | Q V | . | . | . | . |
| 4.550 | 5.4503 | 17.07 | Q V | . | . | . | . |
| 4.567 | 5.4739 | 17.09 | Q V | . | . | . | . |
| 4.583 | 5.4974 | 17.11 | Q V | . | . | . | . |
| 4.600 | 5.5210 | 17.13 | Q V | . | . | . | . |
| 4.617 | 5.5447 | 17.15 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 4.633 | 5.5683 | 17.17 | Q V | . | . | . | . |
| 4.650 | 5.5920 | 17.19 | Q V | . | . | . | . |
| 4.667 | 5.6157 | 17.21 | Q V | . | . | . | . |
| 4.683 | 5.6395 | 17.24 | Q V | . | . | . | . |
| 4.700 | 5.6632 | 17.26 | Q V | . | . | . | . |
| 4.717 | 5.6870 | 17.28 | Q V | . | . | . | . |
| 4.733 | 5.7108 | 17.29 | Q V | . | . | . | . |
| 4.750 | 5.7347 | 17.30 | Q V | . | . | . | . |
| 4.767 | 5.7585 | 17.32 | Q V | . | . | . | . |
| 4.783 | 5.7824 | 17.33 | Q V | . | . | . | . |
| 4.800 | 5.8063 | 17.34 | Q V | . | . | . | . |
| 4.817 | 5.8302 | 17.35 | Q V | . | . | . | . |
| 4.833 | 5.8541 | 17.36 | Q V | . | . | . | . |
| 4.850 | 5.8780 | 17.37 | Q V | . | . | . | . |
| 4.867 | 5.9019 | 17.38 | Q V | . | . | . | . |
| 4.883 | 5.9259 | 17.39 | Q V | . | . | . | . |
| 4.900 | 5.9499 | 17.40 | Q V | . | . | . | . |
| 4.917 | 5.9738 | 17.41 | Q V | . | . | . | . |
| 4.933 | 5.9978 | 17.42 | Q V | . | . | . | . |
| 4.950 | 6.0219 | 17.43 | Q V | . | . | . | . |
| 4.967 | 6.0459 | 17.44 | Q V | . | . | . | . |
| 4.983 | 6.0699 | 17.46 | Q V | . | . | . | . |
| 5.000 | 6.0940 | 17.49 | Q V | . | . | . | . |
| 5.017 | 6.1181 | 17.51 | Q V | . | . | . | . |
| 5.033 | 6.1423 | 17.53 | Q V | . | . | . | . |
| 5.050 | 6.1665 | 17.55 | Q V | . | . | . | . |
| 5.067 | 6.1907 | 17.58 | Q V | . | . | . | . |
| 5.083 | 6.2149 | 17.60 | Q V | . | . | . | . |
| 5.100 | 6.2392 | 17.62 | Q V | . | . | . | . |
| 5.117 | 6.2635 | 17.64 | Q V | . | . | . | . |
| 5.133 | 6.2878 | 17.66 | Q V | . | . | . | . |
| 5.150 | 6.3122 | 17.69 | Q V | . | . | . | . |
| 5.167 | 6.3366 | 17.71 | Q V | . | . | . | . |
| 5.183 | 6.3610 | 17.73 | Q V | . | . | . | . |
| 5.200 | 6.3854 | 17.75 | Q V | . | . | . | . |
| 5.217 | 6.4099 | 17.77 | Q V | . | . | . | . |
| 5.233 | 6.4344 | 17.78 | Q V | . | . | . | . |
| 5.250 | 6.4589 | 17.79 | Q V | . | . | . | . |
| 5.267 | 6.4834 | 17.80 | Q V | . | . | . | . |
| 5.283 | 6.5080 | 17.81 | Q V | . | . | . | . |
| 5.300 | 6.5325 | 17.83 | Q V | . | . | . | . |
| 5.317 | 6.5571 | 17.84 | Q V | . | . | . | . |
| 5.333 | 6.5817 | 17.85 | Q V | . | . | . | . |
| 5.350 | 6.6063 | 17.86 | Q V | . | . | . | . |
| 5.367 | 6.6309 | 17.87 | Q V | . | . | . | . |
| 5.383 | 6.6555 | 17.88 | Q V | . | . | . | . |
| 5.400 | 6.6802 | 17.89 | Q V | . | . | . | . |
| 5.417 | 6.7048 | 17.91 | Q V | . | . | . | . |
| 5.433 | 6.7295 | 17.92 | Q V | . | . | . | . |
| 5.450 | 6.7542 | 17.93 | Q V | . | . | . | . |
| 5.467 | 6.7790 | 17.95 | Q V | . | . | . | . |
| 5.483 | 6.8037 | 17.98 | Q V | . | . | . | . |
| 5.500 | 6.8285 | 18.00 | Q V | . | . | . | . |
| 5.517 | 6.8533 | 18.03 | Q V | . | . | . | . |
| 5.533 | 6.8782 | 18.05 | Q V | . | . | . | . |
| 5.550 | 6.9031 | 18.07 | Q V | . | . | . | . |
| 5.567 | 6.9280 | 18.10 | Q V | . | . | . | . |
| 5.583 | 6.9530 | 18.12 | Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 5.600 | 6.9780 | 18.14 | Q | V | . | . | . | . |
| 5.617 | 7.0030 | 18.17 | Q | V | . | . | . | . |
| 5.633 | 7.0281 | 18.19 | Q | V | . | . | . | . |
| 5.650 | 7.0532 | 18.22 | Q | V | . | . | . | . |
| 5.667 | 7.0783 | 18.24 | Q | V | . | . | . | . |
| 5.683 | 7.1034 | 18.26 | Q | V | . | . | . | . |
| 5.700 | 7.1286 | 18.28 | Q | V | . | . | . | . |
| 5.717 | 7.1538 | 18.29 | Q | V | . | . | . | . |
| 5.733 | 7.1790 | 18.30 | Q | V | . | . | . | . |
| 5.750 | 7.2042 | 18.32 | Q | V | . | . | . | . |
| 5.767 | 7.2295 | 18.33 | Q | V | . | . | . | . |
| 5.783 | 7.2547 | 18.34 | Q | V | . | . | . | . |
| 5.800 | 7.2800 | 18.35 | Q | V | . | . | . | . |
| 5.817 | 7.3053 | 18.37 | Q | V | . | . | . | . |
| 5.833 | 7.3306 | 18.38 | Q | V | . | . | . | . |
| 5.850 | 7.3560 | 18.39 | Q | V | . | . | . | . |
| 5.867 | 7.3813 | 18.40 | Q | V | . | . | . | . |
| 5.883 | 7.4067 | 18.41 | Q | V | . | . | . | . |
| 5.900 | 7.4321 | 18.43 | Q | V | . | . | . | . |
| 5.917 | 7.4575 | 18.44 | Q | V | . | . | . | . |
| 5.933 | 7.4829 | 18.46 | Q | V | . | . | . | . |
| 5.950 | 7.5083 | 18.48 | Q | V | . | . | . | . |
| 5.967 | 7.5338 | 18.51 | Q | V | . | . | . | . |
| 5.983 | 7.5594 | 18.53 | Q | V | . | . | . | . |
| 6.000 | 7.5849 | 18.56 | Q | V | . | . | . | . |
| 6.017 | 7.6105 | 18.58 | Q | V | . | . | . | . |
| 6.033 | 7.6361 | 18.61 | Q | V | . | . | . | . |
| 6.050 | 7.6618 | 18.63 | Q | V | . | . | . | . |
| 6.067 | 7.6875 | 18.66 | Q | V | . | . | . | . |
| 6.083 | 7.7133 | 18.69 | .Q | V | . | . | . | . |
| 6.100 | 7.7390 | 18.71 | .Q | V | . | . | . | . |
| 6.117 | 7.7648 | 18.74 | .Q | V | . | . | . | . |
| 6.133 | 7.7907 | 18.76 | .Q | V | . | . | . | . |
| 6.150 | 7.8166 | 18.79 | .Q | V | . | . | . | . |
| 6.167 | 7.8425 | 18.81 | .Q | V | . | . | . | . |
| 6.183 | 7.8684 | 18.83 | .Q | V | . | . | . | . |
| 6.200 | 7.8944 | 18.84 | .Q | V | . | . | . | . |
| 6.217 | 7.9203 | 18.85 | .Q | V | . | . | . | . |
| 6.233 | 7.9463 | 18.87 | .Q | V | . | . | . | . |
| 6.250 | 7.9723 | 18.88 | .Q | V | . | . | . | . |
| 6.267 | 7.9983 | 18.89 | .Q | V | . | . | . | . |
| 6.283 | 8.0244 | 18.91 | .Q | V | . | . | . | . |
| 6.300 | 8.0505 | 18.92 | .Q | V | . | . | . | . |
| 6.317 | 8.0765 | 18.93 | .Q | V | . | . | . | . |
| 6.333 | 8.1026 | 18.95 | .Q | V | . | . | . | . |
| 6.350 | 8.1288 | 18.96 | .Q | V | . | . | . | . |
| 6.367 | 8.1549 | 18.97 | .Q | V | . | . | . | . |
| 6.383 | 8.1810 | 18.99 | .Q | V | . | . | . | . |
| 6.400 | 8.2072 | 19.00 | .Q | V | . | . | . | . |
| 6.417 | 8.2334 | 19.02 | .Q | V | . | . | . | . |
| 6.433 | 8.2597 | 19.05 | .Q | V | . | . | . | . |
| 6.450 | 8.2859 | 19.08 | .Q | V | . | . | . | . |
| 6.467 | 8.3123 | 19.11 | .Q | V | . | . | . | . |
| 6.483 | 8.3386 | 19.13 | .Q | V | . | . | . | . |
| 6.500 | 8.3650 | 19.16 | .Q | V | . | . | . | . |
| 6.517 | 8.3914 | 19.19 | .Q | V | . | . | . | . |
| 6.533 | 8.4179 | 19.22 | .Q | V | . | . | . | . |
| 6.550 | 8.4444 | 19.24 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 6.567 | 8.4709 | 19.27 | .Q | V | . | . | . | . |
| 6.583 | 8.4975 | 19.30 | .Q | V | . | . | . | . |
| 6.600 | 8.5242 | 19.33 | .Q | V | . | . | . | . |
| 6.617 | 8.5508 | 19.35 | .Q | V | . | . | . | . |
| 6.633 | 8.5775 | 19.38 | .Q | V | . | . | . | . |
| 6.650 | 8.6042 | 19.41 | .Q | V | . | . | . | . |
| 6.667 | 8.6310 | 19.42 | .Q | V | . | . | . | . |
| 6.683 | 8.6578 | 19.44 | .Q | V | . | . | . | . |
| 6.700 | 8.6846 | 19.45 | .Q | V | . | . | . | . |
| 6.717 | 8.7114 | 19.47 | .Q | V | . | . | . | . |
| 6.733 | 8.7382 | 19.48 | .Q | V | . | . | . | . |
| 6.750 | 8.7651 | 19.50 | .Q | V | . | . | . | . |
| 6.767 | 8.7919 | 19.51 | .Q | V | . | . | . | . |
| 6.783 | 8.8188 | 19.52 | .Q | V | . | . | . | . |
| 6.800 | 8.8457 | 19.54 | .Q | V | . | . | . | . |
| 6.817 | 8.8727 | 19.55 | .Q | V | . | . | . | . |
| 6.833 | 8.8996 | 19.57 | .Q | V | . | . | . | . |
| 6.850 | 8.9266 | 19.58 | .Q | V | . | . | . | . |
| 6.867 | 8.9536 | 19.60 | .Q | V | . | . | . | . |
| 6.883 | 8.9806 | 19.61 | .Q | V | . | . | . | . |
| 6.900 | 9.0076 | 19.64 | .Q | V | . | . | . | . |
| 6.917 | 9.0347 | 19.67 | .Q | V | . | . | . | . |
| 6.933 | 9.0619 | 19.70 | .Q | V | . | . | . | . |
| 6.950 | 9.0890 | 19.73 | .Q | V | . | . | . | . |
| 6.967 | 9.1163 | 19.76 | .Q | V | . | . | . | . |
| 6.983 | 9.1435 | 19.79 | .Q | V | . | . | . | . |
| 7.000 | 9.1708 | 19.82 | .Q | V | . | . | . | . |
| 7.017 | 9.1981 | 19.85 | .Q | V | . | . | . | . |
| 7.033 | 9.2255 | 19.88 | .Q | V | . | . | . | . |
| 7.050 | 9.2529 | 19.91 | .Q | V | . | . | . | . |
| 7.067 | 9.2804 | 19.94 | .Q | V | . | . | . | . |
| 7.083 | 9.3079 | 19.97 | .Q | V | . | . | . | . |
| 7.100 | 9.3354 | 20.00 | .Q | V | . | . | . | . |
| 7.117 | 9.3630 | 20.03 | .Q | V | . | . | . | . |
| 7.133 | 9.3907 | 20.05 | .Q | V | . | . | . | . |
| 7.150 | 9.4183 | 20.07 | .Q | V | . | . | . | . |
| 7.167 | 9.4460 | 20.08 | .Q | V | . | . | . | . |
| 7.183 | 9.4736 | 20.10 | .Q | V | . | . | . | . |
| 7.200 | 9.5014 | 20.12 | .Q | V | . | . | . | . |
| 7.217 | 9.5291 | 20.13 | .Q | V | . | . | . | . |
| 7.233 | 9.5568 | 20.15 | .Q | V | . | . | . | . |
| 7.250 | 9.5846 | 20.16 | .Q | V | . | . | . | . |
| 7.267 | 9.6124 | 20.18 | .Q | V | . | . | . | . |
| 7.283 | 9.6402 | 20.19 | .Q | V | . | . | . | . |
| 7.300 | 9.6681 | 20.21 | .Q | V | . | . | . | . |
| 7.317 | 9.6959 | 20.23 | .Q | V | . | . | . | . |
| 7.333 | 9.7238 | 20.24 | .Q | V | . | . | . | . |
| 7.350 | 9.7517 | 20.26 | .Q | V | . | . | . | . |
| 7.367 | 9.7796 | 20.27 | .Q | V | . | . | . | . |
| 7.383 | 9.8076 | 20.30 | .Q | V | . | . | . | . |
| 7.400 | 9.8356 | 20.34 | .Q | V | . | . | . | . |
| 7.417 | 9.8637 | 20.37 | .Q | V | . | . | . | . |
| 7.433 | 9.8918 | 20.40 | .Q | V | . | . | . | . |
| 7.450 | 9.9199 | 20.44 | .Q | V | . | . | . | . |
| 7.467 | 9.9481 | 20.47 | .Q | V | . | . | . | . |
| 7.483 | 9.9763 | 20.50 | .Q | V | . | . | . | . |
| 7.500 | 10.0046 | 20.53 | .Q | V | . | . | . | . |
| 7.517 | 10.0330 | 20.57 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 7.533 | 10.0613 | 20.60 | .Q | V | . | . | . | . |
| 7.550 | 10.0898 | 20.63 | .Q | V | . | . | . | . |
| 7.567 | 10.1182 | 20.67 | .Q | V | . | . | . | . |
| 7.583 | 10.1467 | 20.70 | .Q | V | . | . | . | . |
| 7.600 | 10.1753 | 20.73 | .Q | V | . | . | . | . |
| 7.617 | 10.2039 | 20.76 | .Q | V | . | . | . | . |
| 7.633 | 10.2325 | 20.77 | .Q | V | . | . | . | . |
| 7.650 | 10.2611 | 20.79 | .Q | V | . | . | . | . |
| 7.667 | 10.2898 | 20.81 | .Q | V | . | . | . | . |
| 7.683 | 10.3185 | 20.83 | .Q | V | . | . | . | . |
| 7.700 | 10.3472 | 20.84 | .Q | V | . | . | . | . |
| 7.717 | 10.3759 | 20.86 | .Q | V | . | . | . | . |
| 7.733 | 10.4047 | 20.88 | .Q | V | . | . | . | . |
| 7.750 | 10.4335 | 20.89 | .Q | V | . | . | . | . |
| 7.767 | 10.4623 | 20.91 | .Q | V | . | . | . | . |
| 7.783 | 10.4911 | 20.93 | .Q | V | . | . | . | . |
| 7.800 | 10.5199 | 20.95 | .Q | V | . | . | . | . |
| 7.817 | 10.5488 | 20.96 | .Q | V | . | . | . | . |
| 7.833 | 10.5777 | 20.98 | .Q | V | . | . | . | . |
| 7.850 | 10.6066 | 21.00 | .Q | V | . | . | . | . |
| 7.867 | 10.6356 | 21.03 | .Q | V | . | . | . | . |
| 7.883 | 10.6646 | 21.07 | .Q | V | . | . | . | . |
| 7.900 | 10.6937 | 21.11 | .Q | V | . | . | . | . |
| 7.917 | 10.7228 | 21.14 | .Q | V | . | . | . | . |
| 7.933 | 10.7520 | 21.18 | .Q | V | . | . | . | . |
| 7.950 | 10.7812 | 21.22 | .Q | V | . | . | . | . |
| 7.967 | 10.8105 | 21.25 | .Q | V | . | . | . | . |
| 7.983 | 10.8398 | 21.29 | .Q | V | . | . | . | . |
| 8.000 | 10.8692 | 21.32 | .Q | V | . | . | . | . |
| 8.017 | 10.8986 | 21.36 | .Q | V | . | . | . | . |
| 8.033 | 10.9281 | 21.40 | .Q | V | . | . | . | . |
| 8.050 | 10.9576 | 21.43 | .Q | V | . | . | . | . |
| 8.067 | 10.9872 | 21.47 | .Q | V | . | . | . | . |
| 8.083 | 11.0168 | 21.50 | .Q | V | . | . | . | . |
| 8.100 | 11.0464 | 21.53 | .Q | V | . | . | . | . |
| 8.117 | 11.0761 | 21.55 | .Q | V | . | . | . | . |
| 8.133 | 11.1058 | 21.57 | .Q | V | . | . | . | . |
| 8.150 | 11.1355 | 21.58 | .Q | V | . | . | . | . |
| 8.167 | 11.1653 | 21.60 | .Q | V | . | . | . | . |
| 8.183 | 11.1951 | 21.62 | .Q | V | . | . | . | . |
| 8.200 | 11.2249 | 21.64 | .Q | V | . | . | . | . |
| 8.217 | 11.2547 | 21.66 | .Q | V | . | . | . | . |
| 8.233 | 11.2846 | 21.68 | .Q | V | . | . | . | . |
| 8.250 | 11.3145 | 21.70 | .Q | V | . | . | . | . |
| 8.267 | 11.3444 | 21.72 | .Q | V | . | . | . | . |
| 8.283 | 11.3743 | 21.73 | .Q | V | . | . | . | . |
| 8.300 | 11.4043 | 21.75 | .Q | V | . | . | . | . |
| 8.317 | 11.4343 | 21.77 | .Q | V | . | . | . | . |
| 8.333 | 11.4643 | 21.80 | .Q | V | . | . | . | . |
| 8.350 | 11.4944 | 21.84 | .Q | V | . | . | . | . |
| 8.367 | 11.5245 | 21.88 | .Q | V | . | . | . | . |
| 8.383 | 11.5547 | 21.92 | .Q | V | . | . | . | . |
| 8.400 | 11.5849 | 21.96 | .Q | V | . | . | . | . |
| 8.417 | 11.6152 | 22.00 | .Q | V | . | . | . | . |
| 8.433 | 11.6456 | 22.04 | .Q | V | . | . | . | . |
| 8.450 | 11.6760 | 22.08 | .Q | V | . | . | . | . |
| 8.467 | 11.7065 | 22.12 | .Q | V | . | . | . | . |
| 8.483 | 11.7370 | 22.16 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 8.500 | 11.7676 | 22.19 | .Q | V | . | . | . | . |
| 8.517 | 11.7982 | 22.23 | .Q | V | . | . | . | . |
| 8.533 | 11.8289 | 22.27 | .Q | V | . | . | . | . |
| 8.550 | 11.8596 | 22.31 | .Q | V | . | . | . | . |
| 8.567 | 11.8904 | 22.35 | .Q | V | . | . | . | . |
| 8.583 | 11.9212 | 22.38 | .Q | V | . | . | . | . |
| 8.600 | 11.9521 | 22.40 | .Q | V | . | . | . | . |
| 8.617 | 11.9829 | 22.42 | .Q | V | . | . | . | . |
| 8.633 | 12.0138 | 22.44 | .Q | V | . | . | . | . |
| 8.650 | 12.0448 | 22.46 | .Q | V | . | . | . | . |
| 8.667 | 12.0757 | 22.48 | .Q | V | . | . | . | . |
| 8.683 | 12.1067 | 22.50 | .Q | V | . | . | . | . |
| 8.700 | 12.1378 | 22.52 | .Q | V | . | . | . | . |
| 8.717 | 12.1688 | 22.54 | .Q | V | . | . | . | . |
| 8.733 | 12.1999 | 22.56 | .Q | V | . | . | . | . |
| 8.750 | 12.2310 | 22.59 | .Q | V | . | . | . | . |
| 8.767 | 12.2621 | 22.61 | .Q | V | . | . | . | . |
| 8.783 | 12.2933 | 22.63 | .Q | V | . | . | . | . |
| 8.800 | 12.3245 | 22.65 | .Q | V | . | . | . | . |
| 8.817 | 12.3558 | 22.68 | .Q | V | . | . | . | . |
| 8.833 | 12.3871 | 22.72 | .Q | V | . | . | . | . |
| 8.850 | 12.4184 | 22.77 | .Q | V | . | . | . | . |
| 8.867 | 12.4498 | 22.81 | .Q | V | . | . | . | . |
| 8.883 | 12.4813 | 22.86 | .Q | V | . | . | . | . |
| 8.900 | 12.5129 | 22.90 | .Q | V | . | . | . | . |
| 8.917 | 12.5445 | 22.95 | .Q | V | . | . | . | . |
| 8.933 | 12.5761 | 22.99 | .Q | V | . | . | . | . |
| 8.950 | 12.6079 | 23.03 | .Q | V | . | . | . | . |
| 8.967 | 12.6397 | 23.08 | .Q | V | . | . | . | . |
| 8.983 | 12.6715 | 23.12 | .Q | V | . | . | . | . |
| 9.000 | 12.7034 | 23.17 | .Q | V | . | . | . | . |
| 9.017 | 12.7354 | 23.21 | .Q | V | . | . | . | . |
| 9.033 | 12.7674 | 23.25 | .Q | V | . | . | . | . |
| 9.050 | 12.7995 | 23.29 | .Q | V | . | . | . | . |
| 9.067 | 12.8316 | 23.32 | .Q | V | . | . | . | . |
| 9.083 | 12.8638 | 23.34 | .Q | V | . | . | . | . |
| 9.100 | 12.8960 | 23.37 | .Q | V | . | . | . | . |
| 9.117 | 12.9282 | 23.39 | .Q | V | . | . | . | . |
| 9.133 | 12.9604 | 23.41 | .Q | V | . | . | . | . |
| 9.150 | 12.9927 | 23.44 | .Q | V | . | . | . | . |
| 9.167 | 13.0250 | 23.46 | .Q | V | . | . | . | . |
| 9.183 | 13.0574 | 23.48 | .Q | V | . | . | . | . |
| 9.200 | 13.0897 | 23.51 | .Q | V | . | . | . | . |
| 9.217 | 13.1221 | 23.53 | .Q | V | . | . | . | . |
| 9.233 | 13.1546 | 23.55 | .Q | V | . | . | . | . |
| 9.250 | 13.1871 | 23.58 | .Q | V | . | . | . | . |
| 9.267 | 13.2196 | 23.60 | .Q | V | . | . | . | . |
| 9.283 | 13.2521 | 23.62 | .Q | V | . | . | . | . |
| 9.300 | 13.2847 | 23.66 | .Q | V | . | . | . | . |
| 9.317 | 13.3174 | 23.71 | .Q | V | . | . | . | . |
| 9.333 | 13.3501 | 23.76 | .Q | V | . | . | . | . |
| 9.350 | 13.3829 | 23.81 | .Q | V | . | . | . | . |
| 9.367 | 13.4157 | 23.86 | .Q | V | . | . | . | . |
| 9.383 | 13.4487 | 23.91 | .Q | V | . | . | . | . |
| 9.400 | 13.4817 | 23.96 | .Q | V | . | . | . | . |
| 9.417 | 13.5147 | 24.01 | .Q | V | . | . | . | . |
| 9.433 | 13.5479 | 24.06 | .Q | V | . | . | . | . |
| 9.450 | 13.5811 | 24.11 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 9.467 | 13.6144 | 24.16 | .Q | V | . | . | . | . |
| 9.483 | 13.6477 | 24.20 | .Q | V | . | . | . | . |
| 9.500 | 13.6811 | 24.25 | .Q | V | . | . | . | . |
| 9.517 | 13.7146 | 24.30 | .Q | V | . | . | . | . |
| 9.533 | 13.7481 | 24.35 | .Q | V | . | . | . | . |
| 9.550 | 13.7817 | 24.37 | .Q | V | . | . | . | . |
| 9.567 | 13.8153 | 24.40 | .Q | V | . | . | . | . |
| 9.583 | 13.8489 | 24.42 | .Q | V | . | . | . | . |
| 9.600 | 13.8826 | 24.45 | .Q | V | . | . | . | . |
| 9.617 | 13.9163 | 24.48 | .Q | V | . | . | . | . |
| 9.633 | 13.9501 | 24.50 | .Q | V | . | . | . | . |
| 9.650 | 13.9839 | 24.53 | .Q | V | . | . | . | . |
| 9.667 | 14.0177 | 24.55 | .Q | V | . | . | . | . |
| 9.683 | 14.0515 | 24.58 | .Q | V | . | . | . | . |
| 9.700 | 14.0854 | 24.61 | .Q | V | . | . | . | . |
| 9.717 | 14.1194 | 24.63 | .Q | V | . | . | . | . |
| 9.733 | 14.1533 | 24.66 | .Q | V | . | . | . | . |
| 9.750 | 14.1873 | 24.68 | .Q | V | . | . | . | . |
| 9.767 | 14.2214 | 24.71 | .Q | V | . | . | . | . |
| 9.783 | 14.2555 | 24.76 | .Q | V | . | . | . | . |
| 9.800 | 14.2897 | 24.82 | .Q | V | . | . | . | . |
| 9.817 | 14.3239 | 24.87 | .Q | V | . | . | . | . |
| 9.833 | 14.3583 | 24.93 | .Q | V | . | . | . | . |
| 9.850 | 14.3927 | 24.99 | .Q | V | . | . | . | . |
| 9.867 | 14.4272 | 25.04 | .Q | V | . | . | . | . |
| 9.883 | 14.4617 | 25.10 | .Q | V | . | . | . | . |
| 9.900 | 14.4964 | 25.15 | .Q | V | . | . | . | . |
| 9.917 | 14.5311 | 25.21 | .Q | V | . | . | . | . |
| 9.933 | 14.5659 | 25.26 | .Q | V | . | . | . | . |
| 9.950 | 14.6008 | 25.32 | .Q | V | . | . | . | . |
| 9.967 | 14.6357 | 25.37 | .Q | V | . | . | . | . |
| 9.983 | 14.6708 | 25.43 | .Q | V | . | . | . | . |
| 10.000 | 14.7059 | 25.48 | .Q | V | . | . | . | . |
| 10.017 | 14.7410 | 25.53 | .Q | V | . | . | . | . |
| 10.033 | 14.7762 | 25.56 | .Q | V | . | . | . | . |
| 10.050 | 14.8115 | 25.59 | .Q | V | . | . | . | . |
| 10.067 | 14.8467 | 25.62 | .Q | V | . | . | . | . |
| 10.083 | 14.8821 | 25.65 | .Q | V | . | . | . | . |
| 10.100 | 14.9174 | 25.68 | .Q | V | . | . | . | . |
| 10.117 | 14.9528 | 25.70 | .Q | V | . | . | . | . |
| 10.133 | 14.9883 | 25.73 | .Q | V | . | . | . | . |
| 10.150 | 15.0238 | 25.76 | .Q | V | . | . | . | . |
| 10.167 | 15.0593 | 25.79 | .Q | V | . | . | . | . |
| 10.183 | 15.0949 | 25.82 | .Q | V | . | . | . | . |
| 10.200 | 15.1305 | 25.85 | .Q | V | . | . | . | . |
| 10.217 | 15.1661 | 25.88 | .Q | V | . | . | . | . |
| 10.233 | 15.2018 | 25.91 | .Q | V | . | . | . | . |
| 10.250 | 15.2376 | 25.95 | .Q | V | . | . | . | . |
| 10.267 | 15.2734 | 26.01 | .Q | V | . | . | . | . |
| 10.283 | 15.3093 | 26.07 | .Q | V | . | . | . | . |
| 10.300 | 15.3453 | 26.13 | .Q | V | . | . | . | . |
| 10.317 | 15.3814 | 26.20 | .Q | V | . | . | . | . |
| 10.333 | 15.4176 | 26.26 | .Q | V | . | . | . | . |
| 10.350 | 15.4538 | 26.32 | .Q | V | . | . | . | . |
| 10.367 | 15.4902 | 26.39 | .Q | V | . | . | . | . |
| 10.383 | 15.5266 | 26.45 | .Q | V | . | . | . | . |
| 10.400 | 15.5631 | 26.51 | .Q | V | . | . | . | . |
| 10.417 | 15.5997 | 26.58 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 10.433 | 15.6364 | 26.64 | .Q | V | . | . | . | . |
| 10.450 | 15.6732 | 26.70 | .Q | V | . | . | . | . |
| 10.467 | 15.7101 | 26.77 | .Q | V | . | . | . | . |
| 10.483 | 15.7470 | 26.83 | .Q | V | . | . | . | . |
| 10.500 | 15.7840 | 26.87 | .Q | V | . | . | . | . |
| 10.517 | 15.8211 | 26.90 | .Q | V | . | . | . | . |
| 10.533 | 15.8582 | 26.94 | .Q | V | . | . | . | . |
| 10.550 | 15.8953 | 26.97 | .Q | V | . | . | . | . |
| 10.567 | 15.9325 | 27.01 | .Q | V | . | . | . | . |
| 10.583 | 15.9698 | 27.04 | .Q | V | . | . | . | . |
| 10.600 | 16.0071 | 27.07 | .Q | V | . | . | . | . |
| 10.617 | 16.0444 | 27.11 | .Q | V | . | . | . | . |
| 10.633 | 16.0818 | 27.14 | .Q | V | . | . | . | . |
| 10.650 | 16.1192 | 27.18 | .Q | V | . | . | . | . |
| 10.667 | 16.1567 | 27.21 | .Q | V | . | . | . | . |
| 10.683 | 16.1942 | 27.24 | .Q | V | . | . | . | . |
| 10.700 | 16.2318 | 27.28 | .Q | V | . | . | . | . |
| 10.717 | 16.2694 | 27.31 | .Q | V | . | . | . | . |
| 10.733 | 16.3071 | 27.36 | .Q | V | . | . | . | . |
| 10.750 | 16.3449 | 27.43 | .Q | V | . | . | . | . |
| 10.767 | 16.3828 | 27.50 | .Q | V | . | . | . | . |
| 10.783 | 16.4207 | 27.57 | .Q | V | . | . | . | . |
| 10.800 | 16.4588 | 27.65 | .Q | V | . | . | . | . |
| 10.817 | 16.4970 | 27.72 | .Q | V | . | . | . | . |
| 10.833 | 16.5353 | 27.79 | .Q | V | . | . | . | . |
| 10.850 | 16.5737 | 27.86 | .Q | V | . | . | . | . |
| 10.867 | 16.6121 | 27.94 | .Q | V | . | . | . | . |
| 10.883 | 16.6507 | 28.01 | .Q | V | . | . | . | . |
| 10.900 | 16.6894 | 28.08 | .Q | V | . | . | . | . |
| 10.917 | 16.7282 | 28.15 | .Q | V | . | . | . | . |
| 10.933 | 16.7671 | 28.23 | .Q | V | . | . | . | . |
| 10.950 | 16.8060 | 28.30 | .Q | V | . | . | . | . |
| 10.967 | 16.8451 | 28.37 | .Q | V | . | . | . | . |
| 10.983 | 16.8843 | 28.41 | .Q | V | . | . | . | . |
| 11.000 | 16.9234 | 28.45 | .Q | V | . | . | . | . |
| 11.017 | 16.9627 | 28.49 | .Q | V | . | . | . | . |
| 11.033 | 17.0020 | 28.53 | .Q | V | . | . | . | . |
| 11.050 | 17.0413 | 28.57 | .Q | V | . | . | . | . |
| 11.067 | 17.0808 | 28.61 | .Q | V | . | . | . | . |
| 11.083 | 17.1202 | 28.65 | .Q | V | . | . | . | . |
| 11.100 | 17.1597 | 28.69 | .Q | V | . | . | . | . |
| 11.117 | 17.1993 | 28.73 | .Q | V | . | . | . | . |
| 11.133 | 17.2389 | 28.77 | .Q | V | . | . | . | . |
| 11.150 | 17.2786 | 28.81 | .Q | V | . | . | . | . |
| 11.167 | 17.3183 | 28.84 | .Q | V | . | . | . | . |
| 11.183 | 17.3581 | 28.88 | .Q | V | . | . | . | . |
| 11.200 | 17.3980 | 28.92 | .Q | V | . | . | . | . |
| 11.217 | 17.4379 | 28.98 | .Q | V | . | . | . | . |
| 11.233 | 17.4779 | 29.07 | .Q | V | . | . | . | . |
| 11.250 | 17.5181 | 29.15 | .Q | V | . | . | . | . |
| 11.267 | 17.5583 | 29.24 | .Q | V | . | . | . | . |
| 11.283 | 17.5987 | 29.32 | .Q | V | . | . | . | . |
| 11.300 | 17.6392 | 29.41 | .Q | V | . | . | . | . |
| 11.317 | 17.6799 | 29.49 | .Q | V | . | . | . | . |
| 11.333 | 17.7206 | 29.58 | .Q | V | . | . | . | . |
| 11.350 | 17.7615 | 29.66 | .Q | V | . | . | . | . |
| 11.367 | 17.8024 | 29.75 | .Q | V | . | . | . | . |
| 11.383 | 17.8435 | 29.83 | .Q | V | . | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 11.400 | 17.8847 | 29.91 | .Q | V | . | . | . |
| 11.417 | 17.9260 | 30.00 | .Q | V | . | . | . |
| 11.433 | 17.9675 | 30.08 | .Q | V | . | . | . |
| 11.450 | 18.0090 | 30.16 | .Q | V | . | . | . |
| 11.467 | 18.0506 | 30.21 | .Q | V | . | . | . |
| 11.483 | 18.0923 | 30.26 | .Q | V | . | . | . |
| 11.500 | 18.1340 | 30.30 | .Q | V | . | . | . |
| 11.517 | 18.1758 | 30.35 | .Q | V | . | . | . |
| 11.533 | 18.2177 | 30.39 | .Q | V | . | . | . |
| 11.550 | 18.2596 | 30.44 | .Q | V | . | . | . |
| 11.567 | 18.3016 | 30.49 | .Q | V | . | . | . |
| 11.583 | 18.3437 | 30.53 | .Q | V | . | . | . |
| 11.600 | 18.3858 | 30.58 | .Q | V | . | . | . |
| 11.617 | 18.4280 | 30.62 | .Q | V | . | . | . |
| 11.633 | 18.4702 | 30.67 | .Q | V | . | . | . |
| 11.650 | 18.5125 | 30.72 | .Q | V | . | . | . |
| 11.667 | 18.5549 | 30.76 | .Q | V | . | . | . |
| 11.683 | 18.5973 | 30.81 | .Q | V | . | . | . |
| 11.700 | 18.6399 | 30.89 | .Q | V | . | . | . |
| 11.717 | 18.6826 | 30.99 | .Q | V | . | . | . |
| 11.733 | 18.7254 | 31.09 | .Q | V | . | . | . |
| 11.750 | 18.7684 | 31.19 | .Q | V | . | . | . |
| 11.767 | 18.8115 | 31.29 | .Q | V | . | . | . |
| 11.783 | 18.8547 | 31.39 | .Q | V | . | . | . |
| 11.800 | 18.8981 | 31.49 | .Q | V | . | . | . |
| 11.817 | 18.9416 | 31.59 | .Q | V | . | . | . |
| 11.833 | 18.9852 | 31.69 | .Q | V | . | . | . |
| 11.850 | 19.0290 | 31.79 | .Q | V | . | . | . |
| 11.867 | 19.0730 | 31.89 | .Q | V | . | . | . |
| 11.883 | 19.1170 | 31.99 | .Q | V | . | . | . |
| 11.900 | 19.1612 | 32.09 | .Q | V | . | . | . |
| 11.917 | 19.2056 | 32.19 | .Q | V | . | . | . |
| 11.933 | 19.2500 | 32.28 | .Q | V | . | . | . |
| 11.950 | 19.2946 | 32.33 | .Q | V | . | . | . |
| 11.967 | 19.3392 | 32.39 | .Q | V | . | . | . |
| 11.983 | 19.3839 | 32.44 | .Q | V | . | . | . |
| 12.000 | 19.4286 | 32.50 | .Q | V | . | . | . |
| 12.017 | 19.4735 | 32.55 | .Q | V | . | . | . |
| 12.033 | 19.5184 | 32.61 | .Q | V | . | . | . |
| 12.050 | 19.5634 | 32.66 | .Q | V | . | . | . |
| 12.067 | 19.6084 | 32.72 | .Q | V | . | . | . |
| 12.083 | 19.6536 | 32.77 | .Q | V | . | . | . |
| 12.100 | 19.6988 | 32.83 | .Q | V | . | . | . |
| 12.117 | 19.7441 | 32.88 | .Q | V | . | . | . |
| 12.133 | 19.7895 | 32.94 | .Q | V | . | . | . |
| 12.150 | 19.8349 | 32.99 | .Q | V | . | . | . |
| 12.167 | 19.8805 | 33.10 | .Q | V | . | . | . |
| 12.183 | 19.9269 | 33.70 | .Q | V | . | . | . |
| 12.200 | 19.9743 | 34.42 | .Q | V | . | . | . |
| 12.217 | 20.0227 | 35.14 | .Q | V | . | . | . |
| 12.233 | 20.0721 | 35.86 | .Q | V | . | . | . |
| 12.250 | 20.1225 | 36.58 | .Q | V | . | . | . |
| 12.267 | 20.1739 | 37.30 | .Q | V | . | . | . |
| 12.283 | 20.2262 | 38.01 | .Q | V | . | . | . |
| 12.300 | 20.2796 | 38.73 | .Q | V | . | . | . |
| 12.317 | 20.3339 | 39.45 | .Q | V | . | . | . |
| 12.333 | 20.3893 | 40.17 | .Q | V | . | . | . |
| 12.350 | 20.4456 | 40.89 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.367 | 20.5029 | 41.61 | .Q | V | . | . | . |
| 12.383 | 20.5612 | 42.33 | .Q | V | . | . | . |
| 12.400 | 20.6205 | 43.05 | .Q | V | . | . | . |
| 12.417 | 20.6803 | 43.44 | .Q | V | . | . | . |
| 12.433 | 20.7403 | 43.51 | .Q | V | . | . | . |
| 12.450 | 20.8003 | 43.58 | .Q | V | . | . | . |
| 12.467 | 20.8604 | 43.66 | .Q | V | . | . | . |
| 12.483 | 20.9207 | 43.73 | .Q | V | . | . | . |
| 12.500 | 20.9810 | 43.80 | .Q | V | . | . | . |
| 12.517 | 21.0414 | 43.87 | .Q | V | . | . | . |
| 12.533 | 21.1019 | 43.94 | .Q | V | . | . | . |
| 12.550 | 21.1626 | 44.01 | .Q | V | . | . | . |
| 12.567 | 21.2233 | 44.08 | .Q | V | . | . | . |
| 12.583 | 21.2841 | 44.15 | .Q | V | . | . | . |
| 12.600 | 21.3450 | 44.22 | .Q | V | . | . | . |
| 12.617 | 21.4060 | 44.29 | .Q | V | . | . | . |
| 12.633 | 21.4671 | 44.36 | .Q | V | . | . | . |
| 12.650 | 21.5283 | 44.45 | .Q | V | . | . | . |
| 12.667 | 21.5898 | 44.60 | .Q | V | . | . | . |
| 12.683 | 21.6514 | 44.76 | .Q | V | . | . | . |
| 12.700 | 21.7133 | 44.91 | .Q | V | . | . | . |
| 12.717 | 21.7754 | 45.07 | .Q | V | . | . | . |
| 12.733 | 21.8377 | 45.23 | .Q | V | . | . | . |
| 12.750 | 21.9002 | 45.39 | .Q | V | . | . | . |
| 12.767 | 21.9629 | 45.54 | .Q | V | . | . | . |
| 12.783 | 22.0259 | 45.70 | .Q | V | . | . | . |
| 12.800 | 22.0890 | 45.86 | .Q | .V | . | . | . |
| 12.817 | 22.1524 | 46.01 | .Q | .V | . | . | . |
| 12.833 | 22.2160 | 46.17 | .Q | .V | . | . | . |
| 12.850 | 22.2798 | 46.33 | .Q | .V | . | . | . |
| 12.867 | 22.3438 | 46.49 | .Q | .V | . | . | . |
| 12.883 | 22.4081 | 46.64 | .Q | .V | . | . | . |
| 12.900 | 22.4725 | 46.75 | .Q | .V | . | . | . |
| 12.917 | 22.5370 | 46.84 | .Q | .V | . | . | . |
| 12.933 | 22.6016 | 46.93 | .Q | .V | . | . | . |
| 12.950 | 22.6664 | 47.01 | .Q | .V | . | . | . |
| 12.967 | 22.7313 | 47.10 | .Q | .V | . | . | . |
| 12.983 | 22.7963 | 47.19 | .Q | .V | . | . | . |
| 13.000 | 22.8614 | 47.28 | .Q | .V | . | . | . |
| 13.017 | 22.9266 | 47.37 | .Q | .V | . | . | . |
| 13.033 | 22.9920 | 47.45 | .Q | .V | . | . | . |
| 13.050 | 23.0575 | 47.54 | .Q | .V | . | . | . |
| 13.067 | 23.1231 | 47.63 | .Q | .V | . | . | . |
| 13.083 | 23.1888 | 47.72 | .Q | .V | . | . | . |
| 13.100 | 23.2547 | 47.80 | .Q | .V | . | . | . |
| 13.117 | 23.3206 | 47.89 | .Q | .V | . | . | . |
| 13.133 | 23.3868 | 48.01 | .Q | .V | . | . | . |
| 13.150 | 23.4532 | 48.21 | .Q | .V | . | . | . |
| 13.167 | 23.5199 | 48.41 | .Q | .V | . | . | . |
| 13.183 | 23.5868 | 48.61 | .Q | .V | . | . | . |
| 13.200 | 23.6540 | 48.80 | .Q | .V | . | . | . |
| 13.217 | 23.7215 | 49.00 | .Q | .V | . | . | . |
| 13.233 | 23.7893 | 49.20 | .Q | .V | . | . | . |
| 13.250 | 23.8573 | 49.40 | .Q | .V | . | . | . |
| 13.267 | 23.9257 | 49.60 | .Q | .V | . | . | . |
| 13.283 | 23.9942 | 49.79 | .Q | .V | . | . | . |
| 13.300 | 24.0631 | 49.99 | .Q | .V | . | . | . |
| 13.317 | 24.1322 | 50.19 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.333 | 24.2016 | 50.39 | . Q | . V | . | . | . |
| 13.350 | 24.2713 | 50.59 | . Q | . V | . | . | . |
| 13.367 | 24.3413 | 50.78 | . Q | . V | . | . | . |
| 13.383 | 24.4114 | 50.91 | . Q | . V | . | . | . |
| 13.400 | 24.4817 | 51.02 | . Q | . V | . | . | . |
| 13.417 | 24.5521 | 51.13 | . Q | . V | . | . | . |
| 13.433 | 24.6227 | 51.24 | . Q | . V | . | . | . |
| 13.450 | 24.6934 | 51.36 | . Q | . V | . | . | . |
| 13.467 | 24.7643 | 51.47 | . Q | . V | . | . | . |
| 13.483 | 24.8353 | 51.58 | . Q | . V | . | . | . |
| 13.500 | 24.9066 | 51.69 | . Q | . V | . | . | . |
| 13.517 | 24.9779 | 51.81 | . Q | . V | . | . | . |
| 13.533 | 25.0494 | 51.92 | . Q | . V | . | . | . |
| 13.550 | 25.1211 | 52.03 | . Q | . V | . | . | . |
| 13.567 | 25.1929 | 52.14 | . Q | . V | . | . | . |
| 13.583 | 25.2649 | 52.26 | . Q | . V | . | . | . |
| 13.600 | 25.3370 | 52.37 | . Q | . V | . | . | . |
| 13.617 | 25.4094 | 52.56 | . Q | . V | . | . | . |
| 13.633 | 25.4822 | 52.82 | . Q | . V | . | . | . |
| 13.650 | 25.5553 | 53.08 | . Q | . V | . | . | . |
| 13.667 | 25.6287 | 53.34 | . Q | . V | . | . | . |
| 13.683 | 25.7026 | 53.60 | . Q | . V | . | . | . |
| 13.700 | 25.7768 | 53.86 | . Q | . V | . | . | . |
| 13.717 | 25.8513 | 54.12 | . Q | . V | . | . | . |
| 13.733 | 25.9262 | 54.38 | . Q | . V | . | . | . |
| 13.750 | 26.0014 | 54.64 | . Q | . V | . | . | . |
| 13.767 | 26.0771 | 54.90 | . Q | . V | . | . | . |
| 13.783 | 26.1530 | 55.16 | . Q | . V | . | . | . |
| 13.800 | 26.2294 | 55.42 | . Q | . V | . | . | . |
| 13.817 | 26.3060 | 55.68 | . Q | . V | . | . | . |
| 13.833 | 26.3831 | 55.94 | . Q | . V | . | . | . |
| 13.850 | 26.4605 | 56.18 | . Q | . V | . | . | . |
| 13.867 | 26.5381 | 56.34 | . Q | . V | . | . | . |
| 13.883 | 26.6159 | 56.49 | . Q | . V | . | . | . |
| 13.900 | 26.6939 | 56.64 | . Q | . V | . | . | . |
| 13.917 | 26.7721 | 56.79 | . Q | . V | . | . | . |
| 13.933 | 26.8506 | 56.94 | . Q | . V | . | . | . |
| 13.950 | 26.9292 | 57.10 | . Q | . V | . | . | . |
| 13.967 | 27.0081 | 57.25 | . Q | . V | . | . | . |
| 13.983 | 27.0871 | 57.40 | . Q | . V | . | . | . |
| 14.000 | 27.1664 | 57.55 | . Q | . V | . | . | . |
| 14.017 | 27.2459 | 57.70 | . Q | . V | . | . | . |
| 14.033 | 27.3256 | 57.85 | . Q | . V | . | . | . |
| 14.050 | 27.4055 | 58.01 | . Q | . V | . | . | . |
| 14.067 | 27.4856 | 58.16 | . Q | . V | . | . | . |
| 14.083 | 27.5659 | 58.31 | . Q | . V | . | . | . |
| 14.100 | 27.6467 | 58.64 | . Q | . V | . | . | . |
| 14.117 | 27.7280 | 59.06 | . Q | . V | . | . | . |
| 14.133 | 27.8099 | 59.47 | . Q | . V | . | . | . |
| 14.150 | 27.8924 | 59.88 | . Q | . V | . | . | . |
| 14.167 | 27.9754 | 60.29 | . Q | . V | . | . | . |
| 14.183 | 28.0591 | 60.71 | . Q | . V | . | . | . |
| 14.200 | 28.1432 | 61.12 | . Q | . V | . | . | . |
| 14.217 | 28.2280 | 61.53 | . Q | . V | . | . | . |
| 14.233 | 28.3133 | 61.94 | . Q | . V | . | . | . |
| 14.250 | 28.3992 | 62.36 | . Q | . V | . | . | . |
| 14.267 | 28.4857 | 62.77 | . Q | . V | . | . | . |
| 14.283 | 28.5727 | 63.18 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.300 | 28.6603 | 63.59 | . Q | . V | . | . | . |
| 14.317 | 28.7484 | 64.01 | . Q | . V | . | . | . |
| 14.333 | 28.8371 | 64.36 | . Q | . V | . | . | . |
| 14.350 | 28.9260 | 64.58 | . Q | . V | . | . | . |
| 14.367 | 29.0153 | 64.80 | . Q | . V | . | . | . |
| 14.383 | 29.1049 | 65.02 | . Q | . V | . | . | . |
| 14.400 | 29.1947 | 65.24 | . Q | . V | . | . | . |
| 14.417 | 29.2849 | 65.46 | . Q | . V | . | . | . |
| 14.433 | 29.3754 | 65.68 | . Q | . V | . | . | . |
| 14.450 | 29.4661 | 65.90 | . Q | . V | . | . | . |
| 14.467 | 29.5572 | 66.12 | . Q | . V | . | . | . |
| 14.483 | 29.6486 | 66.34 | . Q | . V | . | . | . |
| 14.500 | 29.7403 | 66.56 | . Q | . V | . | . | . |
| 14.517 | 29.8322 | 66.78 | . Q | . V | . | . | . |
| 14.533 | 29.9245 | 67.00 | . Q | . V | . | . | . |
| 14.550 | 30.0171 | 67.22 | . Q | . V | . | . | . |
| 14.567 | 30.1101 | 67.47 | . Q | . V | . | . | . |
| 14.583 | 30.2037 | 67.96 | . Q | . V | . | . | . |
| 14.600 | 30.2980 | 68.51 | . Q | . V | . | . | . |
| 14.617 | 30.3932 | 69.07 | . Q | . V | . | . | . |
| 14.633 | 30.4891 | 69.62 | . Q | . V | . | . | . |
| 14.650 | 30.5857 | 70.18 | . Q | . V | . | . | . |
| 14.667 | 30.6832 | 70.73 | . Q | . V | . | . | . |
| 14.683 | 30.7813 | 71.28 | . Q | . V | . | . | . |
| 14.700 | 30.8803 | 71.84 | . Q | . V | . | . | . |
| 14.717 | 30.9800 | 72.39 | . Q | . V | . | . | . |
| 14.733 | 31.0805 | 72.95 | . Q | . V | . | . | . |
| 14.750 | 31.1817 | 73.50 | . Q | . V | . | . | . |
| 14.767 | 31.2837 | 74.05 | . Q | . V | . | . | . |
| 14.783 | 31.3865 | 74.61 | . Q | . V | . | . | . |
| 14.800 | 31.4900 | 75.16 | . Q | . V | . | . | . |
| 14.817 | 31.5942 | 75.62 | . Q | . V | . | . | . |
| 14.833 | 31.6988 | 75.98 | . Q | . V | . | . | . |
| 14.850 | 31.8040 | 76.33 | . Q | . V | . | . | . |
| 14.867 | 31.9096 | 76.69 | . Q | . V | . | . | . |
| 14.883 | 32.0157 | 77.05 | . Q | . V | . | . | . |
| 14.900 | 32.1223 | 77.41 | . Q | . V | . | . | . |
| 14.917 | 32.2295 | 77.77 | . Q | . V | . | . | . |
| 14.933 | 32.3371 | 78.13 | . Q | . V | . | . | . |
| 14.950 | 32.4452 | 78.49 | . Q | . V | . | . | . |
| 14.967 | 32.5538 | 78.85 | . Q | . V | . | . | . |
| 14.983 | 32.6629 | 79.20 | . Q | . V | . | . | . |
| 15.000 | 32.7725 | 79.56 | . Q | . V | . | . | . |
| 15.017 | 32.8826 | 79.92 | . Q | . V | . | . | . |
| 15.033 | 32.9931 | 80.28 | . Q | . V | . | . | . |
| 15.050 | 33.1044 | 80.75 | . Q | . V | . | . | . |
| 15.067 | 33.2169 | 81.70 | . Q | . V | . | . | . |
| 15.083 | 33.3308 | 82.70 | . Q | . V | . | . | . |
| 15.100 | 33.4461 | 83.70 | . Q | . V | . | . | . |
| 15.117 | 33.5628 | 84.70 | . Q | . V | . | . | . |
| 15.133 | 33.6808 | 85.70 | . Q | . V | . | . | . |
| 15.150 | 33.8002 | 86.70 | . Q | . V | . | . | . |
| 15.167 | 33.9210 | 87.70 | . Q | . V | . | . | . |
| 15.183 | 34.0432 | 88.70 | . Q | . V | . | . | . |
| 15.200 | 34.1668 | 89.70 | . Q | . V | . | . | . |
| 15.217 | 34.2917 | 90.70 | . Q | . V | . | . | . |
| 15.233 | 34.4180 | 91.70 | . Q | . V | . | . | . |
| 15.250 | 34.5457 | 92.70 | . Q | . V | . | . | . |

| | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|
| 15.267 | 34.6747 | 93.70 | . | Q | . | V | . | . |
| 15.283 | 34.8052 | 94.69 | . | Q | . | V | . | . |
| 15.300 | 34.9365 | 95.38 | . | Q | . | V | . | . |
| 15.317 | 35.0687 | 95.94 | . | Q | . | V | . | . |
| 15.333 | 35.2016 | 96.49 | . | Q | . | V | . | . |
| 15.350 | 35.3353 | 97.05 | . | Q | . | V | . | . |
| 15.367 | 35.4697 | 97.60 | . | Q | . | V | . | . |
| 15.383 | 35.6049 | 98.16 | . | Q | . | V | . | . |
| 15.400 | 35.7409 | 98.71 | . | Q | . | V | . | . |
| 15.417 | 35.8776 | 99.27 | . | Q | . | V | . | . |
| 15.433 | 36.0151 | 99.82 | . | Q | . | V | . | . |
| 15.450 | 36.1534 | 100.37 | . | Q | . | V | . | . |
| 15.467 | 36.2924 | 100.93 | . | Q | . | V | . | . |
| 15.483 | 36.4322 | 101.48 | . | Q | . | V | . | . |
| 15.500 | 36.5727 | 102.04 | . | Q | . | V | . | . |
| 15.517 | 36.7140 | 102.59 | . | Q | . | V | . | . |
| 15.533 | 36.8570 | 103.79 | . | Q | . | V | . | . |
| 15.550 | 37.0034 | 106.30 | . | Q | . | V | . | . |
| 15.567 | 37.1533 | 108.86 | . | Q | . | V | . | . |
| 15.583 | 37.3068 | 111.41 | . | Q | . | V | . | . |
| 15.600 | 37.4638 | 113.96 | . | Q | . | V | . | . |
| 15.617 | 37.6243 | 116.52 | . | Q | . | V | . | . |
| 15.633 | 37.7883 | 119.07 | . | Q | . | V | . | . |
| 15.650 | 37.9558 | 121.63 | . | Q | . | V | . | . |
| 15.667 | 38.1268 | 124.18 | . | Q | . | V | . | . |
| 15.683 | 38.3014 | 126.73 | . | Q | . | V | . | . |
| 15.700 | 38.4795 | 129.29 | . | Q | . | V | . | . |
| 15.717 | 38.6611 | 131.84 | . | Q | . | V | . | . |
| 15.733 | 38.8462 | 134.40 | . | Q | . | V | . | . |
| 15.750 | 39.0348 | 136.95 | . | Q | . | V | . | . |
| 15.767 | 39.2275 | 139.86 | . | Q | . | V | . | . |
| 15.783 | 39.4287 | 146.11 | . | Q | . | V | . | . |
| 15.800 | 39.6397 | 153.16 | . | Q | . | V | . | . |
| 15.817 | 39.8604 | 160.21 | . | Q | . | V | . | . |
| 15.833 | 40.0908 | 167.26 | . | Q | . | V | . | . |
| 15.850 | 40.3309 | 174.31 | . | Q | . | V | . | . |
| 15.867 | 40.5807 | 181.36 | . | Q | . | V | . | . |
| 15.883 | 40.8402 | 188.42 | . | Q | . | V | . | . |
| 15.900 | 41.1094 | 195.47 | . | Q | . | V | . | . |
| 15.917 | 41.3884 | 202.52 | . | Q | . | V | . | . |
| 15.933 | 41.6770 | 209.57 | . | Q | . | V | . | . |
| 15.950 | 41.9754 | 216.62 | . | Q | . | V | . | . |
| 15.967 | 42.2835 | 223.67 | . | Q | . | V | . | . |
| 15.983 | 42.6013 | 230.72 | . | Q | . | V | . | . |
| 16.000 | 42.9288 | 237.78 | . | Q | . | V | . | . |
| 16.017 | 43.2854 | 258.87 | . | Q | . | V | . | . |
| 16.033 | 43.6904 | 294.00 | . | Q | . | V | . | . |
| 16.050 | 44.1437 | 329.14 | . | Q | . | V | . | . |
| 16.067 | 44.6455 | 364.28 | . | Q | . | V | . | . |
| 16.083 | 45.1956 | 399.41 | . | Q | . | V | . | . |
| 16.100 | 45.7942 | 434.55 | . | Q | . | V | . | . |
| 16.117 | 46.4411 | 469.68 | . | Q | . | V | . | . |
| 16.133 | 47.1365 | 504.82 | . | Q | . | V | . | . |
| 16.150 | 47.8802 | 539.95 | . | Q | . | V | . | . |
| 16.167 | 48.6723 | 575.09 | . | Q | . | V | . | . |
| 16.183 | 49.5129 | 610.22 | . | Q | . | V | . | . |
| 16.200 | 50.4018 | 645.36 | . | Q | . | V | . | . |
| 16.217 | 51.3391 | 680.49 | . | Q | . | V | . | . |

| | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|
| 16.233 | 52.3248 | 715.63 | . | . | . | V | . | Q |
| 16.250 | 53.3541 | 747.25 | . | . | . | V | . | Q |
| 16.267 | 54.3157 | 698.14 | . | . | . | V | . | Q |
| 16.283 | 55.2159 | 653.50 | . | . | . | V | . | Q |
| 16.300 | 56.0545 | 608.86 | . | . | . | V | . | Q |
| 16.317 | 56.8317 | 564.21 | . | . | . | V | . | Q |
| 16.333 | 57.5473 | 519.57 | . | . | . | V | . | Q |
| 16.350 | 58.2015 | 474.93 | . | . | . | V | . | Q |
| 16.367 | 58.7942 | 430.29 | . | . | . | V | . | Q |
| 16.383 | 59.3254 | 385.64 | . | . | . | V | . | Q |
| 16.400 | 59.7951 | 341.00 | . | . | . | V | . | Q |
| 16.417 | 60.2033 | 296.36 | . | . | . | V | . | Q |
| 16.433 | 60.5500 | 251.72 | . | . | . | V | . | Q |
| 16.450 | 60.8352 | 207.07 | . | . | . | V | . | Q |
| 16.467 | 61.0589 | 162.43 | . | . | . | V | . | Q |
| 16.483 | 61.2224 | 118.65 | . | . | . | V | . | Q |
| 16.500 | 61.3650 | 103.55 | . | . | . | V | . | Q |
| 16.517 | 61.5060 | 102.34 | . | . | . | V | . | Q |
| 16.533 | 61.6452 | 101.12 | . | . | . | V | . | Q |
| 16.550 | 61.7829 | 99.91 | . | . | . | V | . | Q |
| 16.567 | 61.9188 | 98.70 | . | . | . | V | . | Q |
| 16.583 | 62.0531 | 97.49 | . | . | . | V | . | Q |
| 16.600 | 62.1857 | 96.28 | . | . | . | V | . | Q |
| 16.617 | 62.3167 | 95.06 | . | . | . | V | . | Q |
| 16.633 | 62.4459 | 93.85 | . | . | . | V | . | Q |
| 16.650 | 62.5735 | 92.64 | . | . | . | V | . | Q |
| 16.667 | 62.6995 | 91.43 | . | . | . | V | . | Q |
| 16.683 | 62.8237 | 90.22 | . | . | . | V | . | Q |
| 16.700 | 62.9463 | 89.01 | . | . | . | V | . | Q |
| 16.717 | 63.0673 | 87.79 | . | . | . | V | . | Q |
| 16.733 | 63.1866 | 86.62 | . | . | . | V | . | Q |
| 16.750 | 63.3044 | 85.52 | . | . | . | V | . | Q |
| 16.767 | 63.4206 | 84.42 | . | . | . | V | . | Q |
| 16.783 | 63.5354 | 83.32 | . | . | . | V | . | Q |
| 16.800 | 63.6487 | 82.22 | . | . | . | V | . | Q |
| 16.817 | 63.7604 | 81.12 | . | . | . | V | . | Q |
| 16.833 | 63.8706 | 80.03 | . | . | . | V | . | Q |
| 16.850 | 63.9794 | 78.93 | . | . | . | V | . | Q |
| 16.867 | 64.0866 | 77.83 | . | . | . | V | . | Q |
| 16.883 | 64.1922 | 76.73 | . | . | . | V | . | Q |
| 16.900 | 64.2964 | 75.63 | . | . | . | V | . | Q |
| 16.917 | 64.3991 | 74.53 | . | . | . | V | . | Q |
| 16.933 | 64.5002 | 73.43 | . | . | . | V | . | Q |
| 16.950 | 64.5999 | 72.34 | . | . | . | V | . | Q |
| 16.967 | 64.6980 | 71.27 | . | . | . | V | . | Q |
| 16.983 | 64.7952 | 70.50 | . | . | . | V | . | Q |
| 17.000 | 64.8913 | 69.81 | . | . | . | V | . | Q |
| 17.017 | 64.9865 | 69.12 | . | . | . | V | . | Q |
| 17.033 | 65.0808 | 68.43 | . | . | . | V | . | Q |
| 17.050 | 65.1741 | 67.74 | . | . | . | V | . | Q |
| 17.067 | 65.2664 | 67.04 | . | . | . | V | . | Q |
| 17.083 | 65.3578 | 66.35 | . | . | . | V | . | Q |
| 17.100 | 65.4483 | 65.66 | . | . | . | V | . | Q |
| 17.117 | 65.5377 | 64.97 | . | . | . | V | . | Q |
| 17.133 | 65.6263 | 64.28 | . | . | . | V | . | Q |
| 17.150 | 65.7139 | 63.58 | . | . | . | V | . | Q |
| 17.167 | 65.8005 | 62.89 | . | . | . | V | . | Q |
| 17.183 | 65.8862 | 62.20 | . | . | . | V | . | Q |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 65.9709 | 61.51 | . Q | . | . | . V | . |
| 17.217 | 66.0548 | 60.92 | . Q | . | . | . V | . |
| 17.233 | 66.1381 | 60.44 | . Q | . | . | . V | . |
| 17.250 | 66.2206 | 59.95 | . Q | . | . | . V | . |
| 17.267 | 66.3026 | 59.47 | . Q | . | . | . V | . |
| 17.283 | 66.3838 | 58.99 | . Q | . | . | . V | . |
| 17.300 | 66.4644 | 58.51 | . Q | . | . | . V | . |
| 17.317 | 66.5443 | 58.02 | . Q | . | . | . V | . |
| 17.333 | 66.6236 | 57.54 | . Q | . | . | . V | . |
| 17.350 | 66.7022 | 57.06 | . Q | . | . | . V | . |
| 17.367 | 66.7801 | 56.57 | . Q | . | . | . V | . |
| 17.383 | 66.8573 | 56.09 | . Q | . | . | . V | . |
| 17.400 | 66.9339 | 55.61 | . Q | . | . | . V | . |
| 17.417 | 67.0099 | 55.12 | . Q | . | . | . V | . |
| 17.433 | 67.0851 | 54.64 | . Q | . | . | . V | . |
| 17.450 | 67.1598 | 54.18 | . Q | . | . | . V | . |
| 17.467 | 67.2339 | 53.83 | . Q | . | . | . V | . |
| 17.483 | 67.3076 | 53.49 | . Q | . | . | . V | . |
| 17.500 | 67.3808 | 53.15 | . Q | . | . | . V | . |
| 17.517 | 67.4536 | 52.81 | . Q | . | . | . V | . |
| 17.533 | 67.5258 | 52.48 | . Q | . | . | . V | . |
| 17.550 | 67.5976 | 52.14 | . Q | . | . | . V | . |
| 17.567 | 67.6690 | 51.80 | . Q | . | . | . V | . |
| 17.583 | 67.7399 | 51.46 | . Q | . | . | . V | . |
| 17.600 | 67.8103 | 51.12 | . Q | . | . | . V | . |
| 17.617 | 67.8802 | 50.78 | . Q | . | . | . V | . |
| 17.633 | 67.9497 | 50.44 | . Q | . | . | . V | . |
| 17.650 | 68.0187 | 50.10 | . Q | . | . | . V | . |
| 17.667 | 68.0872 | 49.76 | . Q | . | . | . V | . |
| 17.683 | 68.1553 | 49.42 | . Q | . | . | . V | . |
| 17.700 | 68.2230 | 49.14 | . Q | . | . | . V | . |
| 17.717 | 68.2903 | 48.87 | . Q | . | . | . V | . |
| 17.733 | 68.3573 | 48.61 | . Q | . | . | . V | . |
| 17.750 | 68.4239 | 48.34 | . Q | . | . | . V | . |
| 17.767 | 68.4901 | 48.08 | . Q | . | . | . V | . |
| 17.783 | 68.5560 | 47.82 | . Q | . | . | . V | . |
| 17.800 | 68.6215 | 47.55 | . Q | . | . | . V | . |
| 17.817 | 68.6866 | 47.29 | . Q | . | . | . V | . |
| 17.833 | 68.7514 | 47.02 | . Q | . | . | . V | . |
| 17.850 | 68.8158 | 46.76 | . Q | . | . | . V | . |
| 17.867 | 68.8798 | 46.49 | . Q | . | . | . V | . |
| 17.883 | 68.9435 | 46.23 | . Q | . | . | . V | . |
| 17.900 | 69.0068 | 45.97 | . Q | . | . | . V | . |
| 17.917 | 69.0698 | 45.70 | . Q | . | . | . V | . |
| 17.933 | 69.1324 | 45.46 | . Q | . | . | . V | . |
| 17.950 | 69.1947 | 45.24 | . Q | . | . | . V | . |
| 17.967 | 69.2567 | 45.03 | . Q | . | . | . V | . |
| 17.983 | 69.3184 | 44.82 | . Q | . | . | . V | . |
| 18.000 | 69.3799 | 44.60 | . Q | . | . | . V | . |
| 18.017 | 69.4410 | 44.39 | . Q | . | . | . V | . |
| 18.033 | 69.5019 | 44.18 | . Q | . | . | . V | . |
| 18.050 | 69.5624 | 43.96 | . Q | . | . | . V | . |
| 18.067 | 69.6227 | 43.75 | . Q | . | . | . V | . |
| 18.083 | 69.6826 | 43.54 | . Q | . | . | . V | . |
| 18.100 | 69.7423 | 43.33 | . Q | . | . | . V | . |
| 18.117 | 69.8017 | 43.11 | . Q | . | . | . V | . |
| 18.133 | 69.8608 | 42.90 | . Q | . | . | . V | . |
| 18.150 | 69.9196 | 42.69 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 69.9780 | 42.43 | . Q | . | . | . V | . |
| 18.183 | 70.0356 | 41.77 | . Q | . | . | . V | . |
| 18.200 | 70.0921 | 41.01 | . Q | . | . | . V | . |
| 18.217 | 70.1475 | 40.25 | . Q | . | . | . V | . |
| 18.233 | 70.2019 | 39.49 | . Q | . | . | . V | . |
| 18.250 | 70.2553 | 38.73 | . Q | . | . | . V | . |
| 18.267 | 70.3076 | 37.97 | . Q | . | . | . V | . |
| 18.283 | 70.3588 | 37.21 | . Q | . | . | . V | . |
| 18.300 | 70.4090 | 36.46 | . Q | . | . | . V | . |
| 18.317 | 70.4582 | 35.70 | . Q | . | . | . V | . |
| 18.333 | 70.5063 | 34.94 | . Q | . | . | . V | . |
| 18.350 | 70.5534 | 34.18 | . Q | . | . | . V | . |
| 18.367 | 70.5994 | 33.42 | . Q | . | . | . V | . |
| 18.383 | 70.6444 | 32.66 | . Q | . | . | . V | . |
| 18.400 | 70.6884 | 31.90 | . Q | . | . | . V | . |
| 18.417 | 70.7317 | 31.45 | . Q | . | . | . V | . |
| 18.433 | 70.7748 | 31.31 | . Q | . | . | . V | . |
| 18.450 | 70.8177 | 31.18 | . Q | . | . | . V | . |
| 18.467 | 70.8605 | 31.04 | . Q | . | . | . V | . |
| 18.483 | 70.9031 | 30.90 | . Q | . | . | . V | . |
| 18.500 | 70.9454 | 30.76 | . Q | . | . | . V | . |
| 18.517 | 70.9876 | 30.62 | . Q | . | . | . V | . |
| 18.533 | 71.0296 | 30.49 | . Q | . | . | . V | . |
| 18.550 | 71.0714 | 30.35 | . Q | . | . | . V | . |
| 18.567 | 71.1130 | 30.21 | . Q | . | . | . V | . |
| 18.583 | 71.1544 | 30.07 | . Q | . | . | . V | . |
| 18.600 | 71.1957 | 29.93 | . Q | . | . | . V | . |
| 18.617 | 71.2367 | 29.80 | . Q | . | . | . V | . |
| 18.633 | 71.2776 | 29.66 | . Q | . | . | . V | . |
| 18.650 | 71.3182 | 29.52 | . Q | . | . | . V | . |
| 18.667 | 71.3587 | 29.41 | . Q | . | . | . V | . |
| 18.683 | 71.3991 | 29.29 | . Q | . | . | . V | . |
| 18.700 | 71.4393 | 29.17 | . Q | . | . | . V | . |
| 18.717 | 71.4793 | 29.05 | . Q | . | . | . V | . |
| 18.733 | 71.5191 | 28.94 | . Q | . | . | . V | . |
| 18.750 | 71.5588 | 28.82 | . Q | . | . | . V | . |
| 18.767 | 71.5984 | 28.70 | . Q | . | . | . V | . |
| 18.783 | 71.6377 | 28.58 | . Q | . | . | . V | . |
| 18.800 | 71.6769 | 28.47 | . Q | . | . | . V | . |
| 18.817 | 71.7160 | 28.35 | . Q | . | . | . V | . |
| 18.833 | 71.7549 | 28.23 | . Q | . | . | . V | . |
| 18.850 | 71.7936 | 28.11 | . Q | . | . | . V | . |
| 18.867 | 71.8322 | 28.00 | . Q | . | . | . V | . |
| 18.883 | 71.8706 | 27.88 | . Q | . | . | . V | . |
| 18.900 | 71.9088 | 27.77 | . Q | . | . | . V | . |
| 18.917 | 71.9469 | 27.67 | . Q | . | . | . V | . |
| 18.933 | 71.9849 | 27.57 | . Q | . | . | . V | . |
| 18.950 | 72.0227 | 27.47 | . Q | . | . | . V | . |
| 18.967 | 72.0604 | 27.37 | . Q | . | . | . V | . |
| 18.983 | 72.0980 | 27.27 | . Q | . | . | . V | . |
| 19.000 | 72.1354 | 27.16 | . Q | . | . | . V | . |
| 19.017 | 72.1727 | 27.06 | . Q | . | . | . V | . |
| 19.033 | 72.2098 | 26.96 | . Q | . | . | . V | . |
| 19.050 | 72.2468 | 26.86 | . Q | . | . | . V | . |
| 19.067 | 72.2837 | 26.76 | . Q | . | . | . V | . |
| 19.083 | 72.3204 | 26.66 | . Q | . | . | . V | . |
| 19.100 | 72.3570 | 26.56 | . Q | . | . | . V | . |
| 19.117 | 72.3934 | 26.45 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 72.4297 | 26.36 | .Q | . | . | . | V | . |
| 19.150 | 72.4659 | 26.27 | .Q | . | . | . | V | . |
| 19.167 | 72.5019 | 26.18 | .Q | . | . | . | V | . |
| 19.183 | 72.5379 | 26.09 | .Q | . | . | . | V | . |
| 19.200 | 72.5737 | 26.00 | .Q | . | . | . | V | . |
| 19.217 | 72.6094 | 25.91 | .Q | . | . | . | V | . |
| 19.233 | 72.6449 | 25.82 | .Q | . | . | . | V | . |
| 19.250 | 72.6804 | 25.74 | .Q | . | . | . | V | . |
| 19.267 | 72.7157 | 25.65 | .Q | . | . | . | V | . |
| 19.283 | 72.7509 | 25.56 | .Q | . | . | . | V | . |
| 19.300 | 72.7860 | 25.47 | .Q | . | . | . | V | . |
| 19.317 | 72.8210 | 25.38 | .Q | . | . | . | V | . |
| 19.333 | 72.8558 | 25.29 | .Q | . | . | . | V | . |
| 19.350 | 72.8905 | 25.20 | .Q | . | . | . | V | . |
| 19.367 | 72.9251 | 25.12 | .Q | . | . | . | V | . |
| 19.383 | 72.9596 | 25.04 | .Q | . | . | . | V | . |
| 19.400 | 72.9940 | 24.96 | .Q | . | . | . | V | . |
| 19.417 | 73.0282 | 24.88 | .Q | . | . | . | V | . |
| 19.433 | 73.0624 | 24.80 | .Q | . | . | . | V | . |
| 19.450 | 73.0964 | 24.72 | .Q | . | . | . | V | . |
| 19.467 | 73.1304 | 24.64 | .Q | . | . | . | V | . |
| 19.483 | 73.1642 | 24.56 | .Q | . | . | . | V | . |
| 19.500 | 73.1979 | 24.49 | .Q | . | . | . | V | . |
| 19.517 | 73.2316 | 24.41 | .Q | . | . | . | V | . |
| 19.533 | 73.2651 | 24.33 | .Q | . | . | . | V | . |
| 19.550 | 73.2985 | 24.25 | .Q | . | . | . | V | . |
| 19.567 | 73.3318 | 24.17 | .Q | . | . | . | V | . |
| 19.583 | 73.3650 | 24.09 | .Q | . | . | . | V | . |
| 19.600 | 73.3980 | 24.02 | .Q | . | . | . | V | . |
| 19.617 | 73.4310 | 23.94 | .Q | . | . | . | V | . |
| 19.633 | 73.4639 | 23.87 | .Q | . | . | . | V | . |
| 19.650 | 73.4967 | 23.80 | .Q | . | . | . | V | . |
| 19.667 | 73.5294 | 23.73 | .Q | . | . | . | V | . |
| 19.683 | 73.5620 | 23.66 | .Q | . | . | . | V | . |
| 19.700 | 73.5945 | 23.59 | .Q | . | . | . | V | . |
| 19.717 | 73.6269 | 23.52 | .Q | . | . | . | V | . |
| 19.733 | 73.6592 | 23.45 | .Q | . | . | . | V | . |
| 19.750 | 73.6914 | 23.38 | .Q | . | . | . | V | . |
| 19.767 | 73.7235 | 23.31 | .Q | . | . | . | V | . |
| 19.783 | 73.7555 | 23.24 | .Q | . | . | . | V | . |
| 19.800 | 73.7874 | 23.17 | .Q | . | . | . | V | . |
| 19.817 | 73.8192 | 23.10 | .Q | . | . | . | V | . |
| 19.833 | 73.8510 | 23.03 | .Q | . | . | . | V | . |
| 19.850 | 73.8826 | 22.96 | .Q | . | . | . | V | . |
| 19.867 | 73.9141 | 22.90 | .Q | . | . | . | V | . |
| 19.883 | 73.9456 | 22.84 | .Q | . | . | . | V | . |
| 19.900 | 73.9770 | 22.78 | .Q | . | . | . | V | . |
| 19.917 | 74.0083 | 22.71 | .Q | . | . | . | V | . |
| 19.933 | 74.0395 | 22.65 | .Q | . | . | . | V | . |
| 19.950 | 74.0706 | 22.59 | .Q | . | . | . | V | . |
| 19.967 | 74.1016 | 22.53 | .Q | . | . | . | V | . |
| 19.983 | 74.1325 | 22.46 | .Q | . | . | . | V | . |
| 20.000 | 74.1634 | 22.40 | .Q | . | . | . | V | . |
| 20.017 | 74.1942 | 22.34 | .Q | . | . | . | V | . |
| 20.033 | 74.2248 | 22.27 | .Q | . | . | . | V | . |
| 20.050 | 74.2554 | 22.21 | .Q | . | . | . | V | . |
| 20.067 | 74.2859 | 22.15 | .Q | . | . | . | V | . |
| 20.083 | 74.3164 | 22.09 | .Q | . | . | . | V | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 20.100 | 74.3467 | 22.03 | .Q | . | . | . | V | . |
| 20.117 | 74.3770 | 21.97 | .Q | . | . | . | V | . |
| 20.133 | 74.4072 | 21.91 | .Q | . | . | . | V | . |
| 20.150 | 74.4373 | 21.86 | .Q | . | . | . | V | . |
| 20.167 | 74.4673 | 21.80 | .Q | . | . | . | V | . |
| 20.183 | 74.4972 | 21.74 | .Q | . | . | . | V | . |
| 20.200 | 74.5271 | 21.69 | .Q | . | . | . | V | . |
| 20.217 | 74.5569 | 21.63 | .Q | . | . | . | V | . |
| 20.233 | 74.5866 | 21.57 | .Q | . | . | . | V | . |
| 20.250 | 74.6163 | 21.52 | .Q | . | . | . | V | . |
| 20.267 | 74.6458 | 21.46 | .Q | . | . | . | V | . |
| 20.283 | 74.6753 | 21.40 | .Q | . | . | . | V | . |
| 20.300 | 74.7047 | 21.35 | .Q | . | . | . | V | . |
| 20.317 | 74.7340 | 21.29 | .Q | . | . | . | V | . |
| 20.333 | 74.7633 | 21.23 | .Q | . | . | . | V | . |
| 20.350 | 74.7924 | 21.18 | .Q | . | . | . | V | . |
| 20.367 | 74.8216 | 21.13 | .Q | . | . | . | V | . |
| 20.383 | 74.8506 | 21.08 | .Q | . | . | . | V | . |
| 20.400 | 74.8796 | 21.03 | .Q | . | . | . | V | . |
| 20.417 | 74.9084 | 20.98 | .Q | . | . | . | V | . |
| 20.433 | 74.9373 | 20.93 | .Q | . | . | . | V | . |
| 20.450 | 74.9660 | 20.87 | .Q | . | . | . | V | . |
| 20.467 | 74.9947 | 20.82 | .Q | . | . | . | V | . |
| 20.483 | 75.0233 | 20.77 | .Q | . | . | . | V | . |
| 20.500 | 75.0519 | 20.72 | .Q | . | . | . | V | . |
| 20.517 | 75.0803 | 20.67 | .Q | . | . | . | V | . |
| 20.533 | 75.1087 | 20.62 | .Q | . | . | . | V | . |
| 20.550 | 75.1370 | 20.56 | .Q | . | . | . | V | . |
| 20.567 | 75.1653 | 20.51 | .Q | . | . | . | V | . |
| 20.583 | 75.1935 | 20.47 | .Q | . | . | . | V | . |
| 20.600 | 75.2216 | 20.42 | .Q | . | . | . | V | . |
| 20.617 | 75.2497 | 20.37 | .Q | . | . | . | V | . |
| 20.633 | 75.2777 | 20.32 | .Q | . | . | . | V | . |
| 20.650 | 75.3056 | 20.28 | .Q | . | . | . | V | . |
| 20.667 | 75.3335 | 20.23 | .Q | . | . | . | V | . |
| 20.683 | 75.3613 | 20.18 | .Q | . | . | . | V | . |
| 20.700 | 75.3890 | 20.14 | .Q | . | . | . | V | . |
| 20.717 | 75.4167 | 20.09 | .Q | . | . | . | V | . |
| 20.733 | 75.4443 | 20.04 | .Q | . | . | . | V | . |
| 20.750 | 75.4718 | 19.99 | .Q | . | . | . | V | . |
| 20.767 | 75.4993 | 19.95 | .Q | . | . | . | V | . |
| 20.783 | 75.5267 | 19.90 | .Q | . | . | . | V | . |
| 20.800 | 75.5540 | 19.85 | .Q | . | . | . | V | . |
| 20.817 | 75.5813 | 19.81 | .Q | . | . | . | V | . |
| 20.833 | 75.6085 | 19.76 | .Q | . | . | . | V | . |
| 20.850 | 75.6357 | 19.72 | .Q | . | . | . | V | . |
| 20.867 | 75.6628 | 19.68 | .Q | . | . | . | V | . |
| 20.883 | 75.6898 | 19.63 | .Q | . | . | . | V | . |
| 20.900 | 75.7168 | 19.59 | .Q | . | . | . | V | . |
| 20.917 | 75.7438 | 19.55 | .Q | . | . | . | V | . |
| 20.933 | 75.7706 | 19.50 | .Q | . | . | . | V | . |
| 20.950 | 75.7974 | 19.46 | .Q | . | . | . | V | . |
| 20.967 | 75.8242 | 19.42 | .Q | . | . | . | V | . |
| 20.983 | 75.8509 | 19.37 | .Q | . | . | . | V | . |
| 21.000 | 75.8775 | 19.33 | .Q | . | . | . | V | . |
| 21.017 | 75.9041 | 19.29 | .Q | . | . | . | V | . |
| 21.033 | 75.9306 | 19.24 | .Q | . | . | . | V | . |
| 21.050 | 75.9570 | 19.20 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 21.067 | 75.9834 | 19.16 | .Q | . | . | . | V | . |
| 21.083 | 76.0097 | 19.12 | .Q | . | . | . | V | . |
| 21.100 | 76.0360 | 19.08 | .Q | . | . | . | V | . |
| 21.117 | 76.0622 | 19.04 | .Q | . | . | . | V | . |
| 21.133 | 76.0884 | 19.00 | .Q | . | . | . | V | . |
| 21.150 | 76.1145 | 18.96 | .Q | . | . | . | V | . |
| 21.167 | 76.1406 | 18.92 | .Q | . | . | . | V | . |
| 21.183 | 76.1666 | 18.88 | .Q | . | . | . | V | . |
| 21.200 | 76.1926 | 18.84 | .Q | . | . | . | V | . |
| 21.217 | 76.2185 | 18.80 | .Q | . | . | . | V | . |
| 21.233 | 76.2443 | 18.76 | .Q | . | . | . | V | . |
| 21.250 | 76.2701 | 18.72 | .Q | . | . | . | V | . |
| 21.267 | 76.2958 | 18.68 | .Q | . | . | . | V | . |
| 21.283 | 76.3215 | 18.64 | Q | . | . | . | V | . |
| 21.300 | 76.3471 | 18.60 | Q | . | . | . | V | . |
| 21.317 | 76.3727 | 18.57 | Q | . | . | . | V | . |
| 21.333 | 76.3982 | 18.53 | Q | . | . | . | V | . |
| 21.350 | 76.4237 | 18.49 | Q | . | . | . | V | . |
| 21.367 | 76.4491 | 18.46 | Q | . | . | . | V | . |
| 21.383 | 76.4745 | 18.42 | Q | . | . | . | V | . |
| 21.400 | 76.4998 | 18.38 | Q | . | . | . | V | . |
| 21.417 | 76.5251 | 18.35 | Q | . | . | . | V | . |
| 21.433 | 76.5503 | 18.31 | Q | . | . | . | V | . |
| 21.450 | 76.5755 | 18.27 | Q | . | . | . | V | . |
| 21.467 | 76.6006 | 18.23 | Q | . | . | . | V | . |
| 21.483 | 76.6256 | 18.20 | Q | . | . | . | V | . |
| 21.500 | 76.6507 | 18.16 | Q | . | . | . | V | . |
| 21.517 | 76.6756 | 18.12 | Q | . | . | . | V | . |
| 21.533 | 76.7005 | 18.09 | Q | . | . | . | V | . |
| 21.550 | 76.7254 | 18.05 | Q | . | . | . | V | . |
| 21.567 | 76.7502 | 18.02 | Q | . | . | . | V | . |
| 21.583 | 76.7750 | 17.98 | Q | . | . | . | V | . |
| 21.600 | 76.7997 | 17.95 | Q | . | . | . | V | . |
| 21.617 | 76.8244 | 17.92 | Q | . | . | . | V | . |
| 21.633 | 76.8490 | 17.88 | Q | . | . | . | V | . |
| 21.650 | 76.8736 | 17.85 | Q | . | . | . | V | . |
| 21.667 | 76.8981 | 17.81 | Q | . | . | . | V | . |
| 21.683 | 76.9226 | 17.78 | Q | . | . | . | V | . |
| 21.700 | 76.9471 | 17.74 | Q | . | . | . | V | . |
| 21.717 | 76.9714 | 17.71 | Q | . | . | . | V | . |
| 21.733 | 76.9958 | 17.67 | Q | . | . | . | V | . |
| 21.750 | 77.0201 | 17.64 | Q | . | . | . | V | . |
| 21.767 | 77.0443 | 17.61 | Q | . | . | . | V | . |
| 21.783 | 77.0686 | 17.57 | Q | . | . | . | V | . |
| 21.800 | 77.0927 | 17.54 | Q | . | . | . | V | . |
| 21.817 | 77.1168 | 17.51 | Q | . | . | . | V | . |
| 21.833 | 77.1409 | 17.48 | Q | . | . | . | V | . |
| 21.850 | 77.1649 | 17.45 | Q | . | . | . | V | . |
| 21.867 | 77.1889 | 17.41 | Q | . | . | . | V | . |
| 21.883 | 77.2129 | 17.38 | Q | . | . | . | V | . |
| 21.900 | 77.2368 | 17.35 | Q | . | . | . | V | . |
| 21.917 | 77.2606 | 17.32 | Q | . | . | . | V | . |
| 21.933 | 77.2844 | 17.29 | Q | . | . | . | V | . |
| 21.950 | 77.3082 | 17.25 | Q | . | . | . | V | . |
| 21.967 | 77.3319 | 17.22 | Q | . | . | . | V | . |
| 21.983 | 77.3556 | 17.19 | Q | . | . | . | V | . |
| 22.000 | 77.3792 | 17.16 | Q | . | . | . | V | . |
| 22.017 | 77.4028 | 17.13 | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|
| 22.033 | 77.4264 | 17.10 | Q | . | . | . | V | . |
| 22.050 | 77.4499 | 17.07 | Q | . | . | . | V | . |
| 22.067 | 77.4733 | 17.04 | Q | . | . | . | V | . |
| 22.083 | 77.4967 | 17.01 | Q | . | . | . | V | . |
| 22.100 | 77.5201 | 16.98 | Q | . | . | . | V | . |
| 22.117 | 77.5435 | 16.95 | Q | . | . | . | V | . |
| 22.133 | 77.5668 | 16.92 | Q | . | . | . | V | . |
| 22.150 | 77.5900 | 16.89 | Q | . | . | . | V | . |
| 22.167 | 77.6133 | 16.86 | Q | . | . | . | V | . |
| 22.183 | 77.6364 | 16.83 | Q | . | . | . | V | . |
| 22.200 | 77.6596 | 16.80 | Q | . | . | . | V | . |
| 22.217 | 77.6827 | 16.77 | Q | . | . | . | V | . |
| 22.233 | 77.7057 | 16.74 | Q | . | . | . | V | . |
| 22.250 | 77.7287 | 16.71 | Q | . | . | . | V | . |
| 22.267 | 77.7517 | 16.68 | Q | . | . | . | V | . |
| 22.283 | 77.7746 | 16.65 | Q | . | . | . | V | . |
| 22.300 | 77.7975 | 16.62 | Q | . | . | . | V | . |
| 22.317 | 77.8204 | 16.60 | Q | . | . | . | V | . |
| 22.333 | 77.8432 | 16.57 | Q | . | . | . | V | . |
| 22.350 | 77.8660 | 16.54 | Q | . | . | . | V | . |
| 22.367 | 77.8887 | 16.51 | Q | . | . | . | V | . |
| 22.383 | 77.9114 | 16.48 | Q | . | . | . | V | . |
| 22.400 | 77.9341 | 16.45 | Q | . | . | . | V | . |
| 22.417 | 77.9567 | 16.43 | Q | . | . | . | V | . |
| 22.433 | 77.9793 | 16.40 | Q | . | . | . | V | . |
| 22.450 | 78.0019 | 16.37 | Q | . | . | . | V | . |
| 22.467 | 78.0244 | 16.34 | Q | . | . | . | V | . |
| 22.483 | 78.0469 | 16.31 | Q | . | . | . | V | . |
| 22.500 | 78.0693 | 16.29 | Q | . | . | . | V | . |
| 22.517 | 78.0917 | 16.26 | Q | . | . | . | V | . |
| 22.533 | 78.1141 | 16.23 | Q | . | . | . | V | . |
| 22.550 | 78.1364 | 16.21 | Q | . | . | . | V | . |
| 22.567 | 78.1587 | 16.18 | Q | . | . | . | V | . |
| 22.583 | 78.1809 | 16.16 | Q | . | . | . | V | . |
| 22.600 | 78.2031 | 16.13 | Q | . | . | . | V | . |
| 22.617 | 78.2253 | 16.10 | Q | . | . | . | V | . |
| 22.633 | 78.2475 | 16.08 | Q | . | . | . | V | . |
| 22.650 | 78.2696 | 16.05 | Q | . | . | . | V | . |
| 22.667 | 78.2916 | 16.02 | Q | . | . | . | V | . |
| 22.683 | 78.3137 | 16.00 | Q | . | . | . | V | . |
| 22.700 | 78.3357 | 15.97 | Q | . | . | . | V | . |
| 22.717 | 78.3576 | 15.94 | Q | . | . | . | V | . |
| 22.733 | 78.3796 | 15.92 | Q | . | . | . | V | . |
| 22.750 | 78.4015 | 15.89 | Q | . | . | . | V | . |
| 22.767 | 78.4233 | 15.87 | Q | . | . | . | V | . |
| 22.783 | 78.4451 | 15.84 | Q | . | . | . | V | . |
| 22.800 | 78.4669 | 15.82 | Q | . | . | . | V | . |
| 22.817 | 78.4887 | 15.79 | Q | . | . | . | V | . |
| 22.833 | 78.5104 | 15.77 | Q | . | . | . | V | . |
| 22.850 | 78.5321 | 15.74 | Q | . | . | . | V | . |
| 22.867 | 78.5537 | 15.72 | Q | . | . | . | V | . |
| 22.883 | 78.5754 | 15.70 | Q | . | . | . | V | . |
| 22.900 | 78.5970 | 15.67 | Q | . | . | . | V | . |
| 22.917 | 78.6185 | 15.65 | Q | . | . | . | V | . |
| 22.933 | 78.6400 | 15.62 | Q | . | . | . | V | . |
| 22.950 | 78.6615 | 15.60 | Q | . | . | . | V | . |
| 22.967 | 78.6830 | 15.57 | Q | . | . | . | V | . |
| 22.983 | 78.7044 | 15.55 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|-------|---|---|---|---|----|
| 23.000 | 78.7258 | 15.52 | Q | . | . | . | V. |
| 23.017 | 78.7471 | 15.50 | Q | . | . | . | V. |
| 23.033 | 78.7684 | 15.48 | Q | . | . | . | V. |
| 23.050 | 78.7897 | 15.45 | Q | . | . | . | V. |
| 23.067 | 78.8110 | 15.43 | Q | . | . | . | V. |
| 23.083 | 78.8322 | 15.41 | Q | . | . | . | V. |
| 23.100 | 78.8534 | 15.38 | Q | . | . | . | V. |
| 23.117 | 78.8745 | 15.36 | Q | . | . | . | V. |
| 23.133 | 78.8956 | 15.34 | Q | . | . | . | V. |
| 23.150 | 78.9167 | 15.31 | Q | . | . | . | V. |
| 23.167 | 78.9378 | 15.29 | Q | . | . | . | V. |
| 23.183 | 78.9588 | 15.27 | Q | . | . | . | V. |
| 23.200 | 78.9798 | 15.24 | Q | . | . | . | V. |
| 23.217 | 79.0008 | 15.22 | Q | . | . | . | V. |
| 23.233 | 79.0217 | 15.20 | Q | . | . | . | V. |
| 23.250 | 79.0426 | 15.18 | Q | . | . | . | V. |
| 23.267 | 79.0635 | 15.15 | Q | . | . | . | V. |
| 23.283 | 79.0843 | 15.13 | Q | . | . | . | V. |
| 23.300 | 79.1052 | 15.11 | Q | . | . | . | V. |
| 23.317 | 79.1259 | 15.09 | Q | . | . | . | V. |
| 23.333 | 79.1467 | 15.06 | Q | . | . | . | V. |
| 23.350 | 79.1674 | 15.04 | Q | . | . | . | V. |
| 23.367 | 79.1881 | 15.02 | Q | . | . | . | V. |
| 23.383 | 79.2088 | 15.00 | Q | . | . | . | V. |
| 23.400 | 79.2294 | 14.98 | Q | . | . | . | V. |
| 23.417 | 79.2500 | 14.95 | Q | . | . | . | V. |
| 23.433 | 79.2706 | 14.93 | Q | . | . | . | V. |
| 23.450 | 79.2911 | 14.91 | Q | . | . | . | V. |
| 23.467 | 79.3116 | 14.89 | Q | . | . | . | V. |
| 23.483 | 79.3321 | 14.87 | Q | . | . | . | V. |
| 23.500 | 79.3525 | 14.85 | Q | . | . | . | V. |
| 23.517 | 79.3730 | 14.83 | Q | . | . | . | V. |
| 23.533 | 79.3933 | 14.80 | Q | . | . | . | V. |
| 23.550 | 79.4137 | 14.78 | Q | . | . | . | V. |
| 23.567 | 79.4340 | 14.76 | Q | . | . | . | V. |
| 23.583 | 79.4543 | 14.74 | Q | . | . | . | V. |
| 23.600 | 79.4746 | 14.72 | Q | . | . | . | V. |
| 23.617 | 79.4949 | 14.70 | Q | . | . | . | V. |
| 23.633 | 79.5151 | 14.68 | Q | . | . | . | V. |
| 23.650 | 79.5353 | 14.66 | Q | . | . | . | V. |
| 23.667 | 79.5554 | 14.64 | Q | . | . | . | V. |
| 23.683 | 79.5756 | 14.62 | Q | . | . | . | V. |
| 23.700 | 79.5957 | 14.59 | Q | . | . | . | V. |
| 23.717 | 79.6157 | 14.57 | Q | . | . | . | V. |
| 23.733 | 79.6358 | 14.56 | Q | . | . | . | V. |
| 23.750 | 79.6558 | 14.54 | Q | . | . | . | V. |
| 23.767 | 79.6758 | 14.52 | Q | . | . | . | V. |
| 23.783 | 79.6958 | 14.50 | Q | . | . | . | V. |
| 23.800 | 79.7157 | 14.48 | Q | . | . | . | V. |
| 23.817 | 79.7356 | 14.46 | Q | . | . | . | V. |
| 23.833 | 79.7555 | 14.44 | Q | . | . | . | V. |
| 23.850 | 79.7754 | 14.42 | Q | . | . | . | V. |
| 23.867 | 79.7952 | 14.40 | Q | . | . | . | V. |
| 23.883 | 79.8150 | 14.38 | Q | . | . | . | V. |
| 23.900 | 79.8348 | 14.36 | Q | . | . | . | V. |
| 23.917 | 79.8545 | 14.34 | Q | . | . | . | V. |
| 23.933 | 79.8742 | 14.32 | Q | . | . | . | V. |
| 23.950 | 79.8939 | 14.30 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|-------|---|---|---|---|----|
| 23.967 | 79.9136 | 14.28 | Q | . | . | . | V. |
| 23.983 | 79.9332 | 14.26 | Q | . | . | . | V. |
| 24.000 | 79.9529 | 14.24 | 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% | 635.0 |
| 20% | 205.0 |
| 30% | 140.0 |
| 40% | 110.0 |
| 50% | 95.0 |
| 60% | 75.0 |
| 70% | 55.0 |
| 80% | 40.0 |
| 90% | 20.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1264

Analysis prepared by:

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Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-3 SUBAREA A *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 25-YR EV MARCH 2019 CCHIU *

FILE NAME: 3A25EVS.DAT
TIME/DATE OF STUDY: 09:57 03/29/2019

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 100.00 TO NODE 130.00 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) = 510.20
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.130
LOW LOSS FRACTION = 0.316
TIME OF CONCENTRATION (MIN.) = 13.97
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 10
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.34
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.72
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.95
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.59
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.20
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.68

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 102.02

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 54.45

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. | 242.8 | 485.7 | 728.5 | 971.3 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 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 | 0.00 | 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 | 0.0008 | 0.60 | Q | . | . | . | . |
| 0.200 | 0.0034 | 1.89 | Q | . | . | . | . |
| 0.217 | 0.0078 | 3.18 | Q | . | . | . | . |
| 0.233 | 0.0140 | 4.47 | Q | . | . | . | . |
| 0.250 | 0.0219 | 5.76 | Q | . | . | . | . |
| 0.267 | 0.0316 | 7.05 | Q | . | . | . | . |
| 0.283 | 0.0431 | 8.34 | Q | . | . | . | . |
| 0.300 | 0.0564 | 9.64 | Q | . | . | . | . |
| 0.317 | 0.0714 | 10.93 | Q | . | . | . | . |
| 0.333 | 0.0883 | 12.22 | Q | . | . | . | . |
| 0.350 | 0.1069 | 13.51 | Q | . | . | . | . |
| 0.367 | 0.1273 | 14.80 | Q | . | . | . | . |
| 0.383 | 0.1494 | 16.10 | Q | . | . | . | . |
| 0.400 | 0.1734 | 17.39 | Q | . | . | . | . |
| 0.417 | 0.1982 | 18.05 | Q | . | . | . | . |
| 0.433 | 0.2231 | 18.06 | Q | . | . | . | . |
| 0.450 | 0.2480 | 18.07 | Q | . | . | . | . |
| 0.467 | 0.2729 | 18.07 | Q | . | . | . | . |
| 0.483 | 0.2978 | 18.08 | Q | . | . | . | . |
| 0.500 | 0.3227 | 18.09 | Q | . | . | . | . |
| 0.517 | 0.3476 | 18.10 | Q | . | . | . | . |
| 0.533 | 0.3726 | 18.11 | Q | . | . | . | . |
| 0.550 | 0.3975 | 18.11 | Q | . | . | . | . |
| 0.567 | 0.4225 | 18.12 | Q | . | . | . | . |
| 0.583 | 0.4475 | 18.13 | Q | . | . | . | . |
| 0.600 | 0.4725 | 18.14 | Q | . | . | . | . |
| 0.617 | 0.4974 | 18.15 | Q | . | . | . | . |
| 0.633 | 0.5225 | 18.15 | Q | . | . | . | . |
| 0.650 | 0.5475 | 18.17 | Q | . | . | . | . |
| 0.667 | 0.5725 | 18.18 | Q | . | . | . | . |
| 0.683 | 0.5976 | 18.20 | Q | . | . | . | . |
| 0.700 | 0.6227 | 18.22 | Q | . | . | . | . |
| 0.717 | 0.6478 | 18.23 | Q | . | . | . | . |
| 0.733 | 0.6729 | 18.25 | Q | . | . | . | . |
| 0.750 | 0.6981 | 18.27 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|---|---|---|---|---|
| 0.767 | 0.7233 | 18.28 | Q | . | . | . | . |
| 0.783 | 0.7485 | 18.30 | Q | . | . | . | . |
| 0.800 | 0.7737 | 18.32 | Q | . | . | . | . |
| 0.817 | 0.7990 | 18.33 | Q | . | . | . | . |
| 0.833 | 0.8242 | 18.35 | Q | . | . | . | . |
| 0.850 | 0.8495 | 18.37 | Q | . | . | . | . |
| 0.867 | 0.8749 | 18.38 | Q | . | . | . | . |
| 0.883 | 0.9002 | 18.39 | Q | . | . | . | . |
| 0.900 | 0.9255 | 18.40 | Q | . | . | . | . |
| 0.917 | 0.9509 | 18.41 | Q | . | . | . | . |
| 0.933 | 0.9763 | 18.42 | Q | . | . | . | . |
| 0.950 | 1.0017 | 18.43 | Q | . | . | . | . |
| 0.967 | 1.0271 | 18.44 | Q | . | . | . | . |
| 0.983 | 1.0525 | 18.45 | Q | . | . | . | . |
| 1.000 | 1.0779 | 18.45 | Q | . | . | . | . |
| 1.017 | 1.1033 | 18.46 | Q | . | . | . | . |
| 1.033 | 1.1288 | 18.47 | Q | . | . | . | . |
| 1.050 | 1.1542 | 18.48 | Q | . | . | . | . |
| 1.067 | 1.1797 | 18.49 | Q | . | . | . | . |
| 1.083 | 1.2052 | 18.50 | Q | . | . | . | . |
| 1.100 | 1.2306 | 18.50 | Q | . | . | . | . |
| 1.117 | 1.2562 | 18.52 | Q | . | . | . | . |
| 1.133 | 1.2817 | 18.54 | Q | . | . | . | . |
| 1.150 | 1.3072 | 18.55 | Q | . | . | . | . |
| 1.167 | 1.3328 | 18.57 | Q | . | . | . | . |
| 1.183 | 1.3584 | 18.59 | Q | . | . | . | . |
| 1.200 | 1.3841 | 18.61 | Q | . | . | . | . |
| 1.217 | 1.4097 | 18.62 | Q | . | . | . | . |
| 1.233 | 1.4354 | 18.64 | Q | . | . | . | . |
| 1.250 | 1.4611 | 18.66 | Q | . | . | . | . |
| 1.267 | 1.4868 | 18.68 | Q | . | . | . | . |
| 1.283 | 1.5125 | 18.69 | Q | . | . | . | . |
| 1.300 | 1.5383 | 18.71 | Q | . | . | . | . |
| 1.317 | 1.5641 | 18.73 | Q | . | . | . | . |
| 1.333 | 1.5899 | 18.74 | Q | . | . | . | . |
| 1.350 | 1.6158 | 18.76 | Q | . | . | . | . |
| 1.367 | 1.6416 | 18.77 | Q | . | . | . | . |
| 1.383 | 1.6675 | 18.77 | Q | . | . | . | . |
| 1.400 | 1.6933 | 18.78 | Q | . | . | . | . |
| 1.417 | 1.7192 | 18.79 | Q | . | . | . | . |
| 1.433 | 1.7451 | 18.80 | Q | . | . | . | . |
| 1.450 | 1.7710 | 18.81 | Q | . | . | . | . |
| 1.467 | 1.7970 | 18.82 | Q | . | . | . | . |
| 1.483 | 1.8229 | 18.83 | Q | . | . | . | . |
| 1.500 | 1.8488 | 18.84 | Q | . | . | . | . |
| 1.517 | 1.8748 | 18.85 | Q | . | . | . | . |
| 1.533 | 1.9008 | 18.85 | Q | . | . | . | . |
| 1.550 | 1.9268 | 18.86 | Q | . | . | . | . |
| 1.567 | 1.9527 | 18.87 | Q | . | . | . | . |
| 1.583 | 1.9788 | 18.89 | Q | . | . | . | . |
| 1.600 | 2.0048 | 18.91 | Q | . | . | . | . |
| 1.617 | 2.0309 | 18.92 | Q | . | . | . | . |
| 1.633 | 2.0570 | 18.94 | Q | . | . | . | . |
| 1.650 | 2.0831 | 18.96 | Q | . | . | . | . |
| 1.667 | 2.1092 | 18.98 | Q | . | . | . | . |
| 1.683 | 2.1354 | 19.00 | Q | . | . | . | . |
| 1.700 | 2.1616 | 19.02 | Q | . | . | . | . |
| 1.717 | 2.1878 | 19.03 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|----|---|---|---|---|
| 1.733 | 2.2140 | 19.05 | Q | . | . | . | . |
| 1.750 | 2.2403 | 19.07 | Q | . | . | . | . |
| 1.767 | 2.2666 | 19.09 | Q | . | . | . | . |
| 1.783 | 2.2929 | 19.11 | Q | . | . | . | . |
| 1.800 | 2.3193 | 19.12 | Q | . | . | . | . |
| 1.817 | 2.3456 | 19.14 | Q | . | . | . | . |
| 1.833 | 2.3720 | 19.15 | Q | . | . | . | . |
| 1.850 | 2.3984 | 19.16 | Q | . | . | . | . |
| 1.867 | 2.4248 | 19.17 | Q | . | . | . | . |
| 1.883 | 2.4512 | 19.17 | Q | . | . | . | . |
| 1.900 | 2.4776 | 19.18 | Q | . | . | . | . |
| 1.917 | 2.5040 | 19.19 | Q | . | . | . | . |
| 1.933 | 2.5305 | 19.20 | Q | . | . | . | . |
| 1.950 | 2.5570 | 19.21 | QV | . | . | . | . |
| 1.967 | 2.5834 | 19.22 | QV | . | . | . | . |
| 1.983 | 2.6099 | 19.23 | QV | . | . | . | . |
| 2.000 | 2.6364 | 19.24 | QV | . | . | . | . |
| 2.017 | 2.6629 | 19.25 | QV | . | . | . | . |
| 2.033 | 2.6895 | 19.26 | QV | . | . | . | . |
| 2.050 | 2.7160 | 19.28 | QV | . | . | . | . |
| 2.067 | 2.7426 | 19.30 | QV | . | . | . | . |
| 2.083 | 2.7692 | 19.31 | QV | . | . | . | . |
| 2.100 | 2.7958 | 19.33 | QV | . | . | . | . |
| 2.117 | 2.8225 | 19.35 | QV | . | . | . | . |
| 2.133 | 2.8492 | 19.37 | QV | . | . | . | . |
| 2.150 | 2.8759 | 19.39 | QV | . | . | . | . |
| 2.167 | 2.9026 | 19.41 | QV | . | . | . | . |
| 2.183 | 2.9294 | 19.43 | QV | . | . | . | . |
| 2.200 | 2.9562 | 19.45 | QV | . | . | . | . |
| 2.217 | 2.9830 | 19.47 | QV | . | . | . | . |
| 2.233 | 3.0098 | 19.49 | QV | . | . | . | . |
| 2.250 | 3.0367 | 19.51 | QV | . | . | . | . |
| 2.267 | 3.0636 | 19.53 | QV | . | . | . | . |
| 2.283 | 3.0905 | 19.54 | QV | . | . | . | . |
| 2.300 | 3.1174 | 19.55 | QV | . | . | . | . |
| 2.317 | 3.1444 | 19.56 | QV | . | . | . | . |
| 2.333 | 3.1713 | 19.57 | QV | . | . | . | . |
| 2.350 | 3.1983 | 19.58 | QV | . | . | . | . |
| 2.367 | 3.2253 | 19.59 | QV | . | . | . | . |
| 2.383 | 3.2523 | 19.60 | QV | . | . | . | . |
| 2.400 | 3.2793 | 19.61 | QV | . | . | . | . |
| 2.417 | 3.3063 | 19.62 | QV | . | . | . | . |
| 2.433 | 3.3334 | 19.63 | QV | . | . | . | . |
| 2.450 | 3.3604 | 19.64 | QV | . | . | . | . |
| 2.467 | 3.3875 | 19.65 | QV | . | . | . | . |
| 2.483 | 3.4145 | 19.66 | QV | . | . | . | . |
| 2.500 | 3.4416 | 19.67 | QV | . | . | . | . |
| 2.517 | 3.4688 | 19.69 | QV | . | . | . | . |
| 2.533 | 3.4959 | 19.71 | QV | . | . | . | . |
| 2.550 | 3.5231 | 19.73 | QV | . | . | . | . |
| 2.567 | 3.5503 | 19.75 | QV | . | . | . | . |
| 2.583 | 3.5775 | 19.77 | QV | . | . | . | . |
| 2.600 | 3.6048 | 19.79 | QV | . | . | . | . |
| 2.617 | 3.6320 | 19.81 | QV | . | . | . | . |
| 2.633 | 3.6593 | 19.83 | QV | . | . | . | . |
| 2.650 | 3.6867 | 19.85 | QV | . | . | . | . |
| 2.667 | 3.7141 | 19.87 | QV | . | . | . | . |
| 2.683 | 3.7415 | 19.89 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 2.700 | 3.7689 | 19.91 | QV | . | . | . | . |
| 2.717 | 3.7963 | 19.93 | QV | . | . | . | . |
| 2.733 | 3.8238 | 19.95 | QV | . | . | . | . |
| 2.750 | 3.8513 | 19.96 | QV | . | . | . | . |
| 2.767 | 3.8788 | 19.97 | QV | . | . | . | . |
| 2.783 | 3.9064 | 19.98 | QV | . | . | . | . |
| 2.800 | 3.9339 | 19.99 | QV | . | . | . | . |
| 2.817 | 3.9614 | 20.01 | QV | . | . | . | . |
| 2.833 | 3.9890 | 20.02 | QV | . | . | . | . |
| 2.850 | 4.0166 | 20.03 | QV | . | . | . | . |
| 2.867 | 4.0442 | 20.04 | QV | . | . | . | . |
| 2.883 | 4.0718 | 20.05 | QV | . | . | . | . |
| 2.900 | 4.0994 | 20.06 | QV | . | . | . | . |
| 2.917 | 4.1271 | 20.07 | QV | . | . | . | . |
| 2.933 | 4.1547 | 20.08 | QV | . | . | . | . |
| 2.950 | 4.1824 | 20.09 | QV | . | . | . | . |
| 2.967 | 4.2101 | 20.10 | QV | . | . | . | . |
| 2.983 | 4.2378 | 20.12 | QV | . | . | . | . |
| 3.000 | 4.2655 | 20.14 | QV | . | . | . | . |
| 3.017 | 4.2933 | 20.16 | QV | . | . | . | . |
| 3.033 | 4.3211 | 20.18 | QV | . | . | . | . |
| 3.050 | 4.3490 | 20.21 | QV | . | . | . | . |
| 3.067 | 4.3768 | 20.23 | QV | . | . | . | . |
| 3.083 | 4.4047 | 20.25 | QV | . | . | . | . |
| 3.100 | 4.4326 | 20.27 | QV | . | . | . | . |
| 3.117 | 4.4606 | 20.29 | QV | . | . | . | . |
| 3.133 | 4.4886 | 20.31 | QV | . | . | . | . |
| 3.150 | 4.5166 | 20.34 | QV | . | . | . | . |
| 3.167 | 4.5446 | 20.36 | QV | . | . | . | . |
| 3.183 | 4.5727 | 20.38 | QV | . | . | . | . |
| 3.200 | 4.6008 | 20.40 | QV | . | . | . | . |
| 3.217 | 4.6289 | 20.41 | QV | . | . | . | . |
| 3.233 | 4.6570 | 20.42 | QV | . | . | . | . |
| 3.250 | 4.6852 | 20.44 | QV | . | . | . | . |
| 3.267 | 4.7133 | 20.45 | QV | . | . | . | . |
| 3.283 | 4.7415 | 20.46 | QV | . | . | . | . |
| 3.300 | 4.7697 | 20.47 | QV | . | . | . | . |
| 3.317 | 4.7979 | 20.48 | QV | . | . | . | . |
| 3.333 | 4.8261 | 20.49 | QV | . | . | . | . |
| 3.350 | 4.8544 | 20.50 | QV | . | . | . | . |
| 3.367 | 4.8826 | 20.51 | QV | . | . | . | . |
| 3.383 | 4.9109 | 20.52 | QV | . | . | . | . |
| 3.400 | 4.9392 | 20.54 | QV | . | . | . | . |
| 3.417 | 4.9675 | 20.55 | QV | . | . | . | . |
| 3.433 | 4.9958 | 20.56 | QV | . | . | . | . |
| 3.450 | 5.0242 | 20.58 | QV | . | . | . | . |
| 3.467 | 5.0525 | 20.60 | QV | . | . | . | . |
| 3.483 | 5.0809 | 20.62 | QV | . | . | . | . |
| 3.500 | 5.1094 | 20.65 | Q V | . | . | . | . |
| 3.517 | 5.1379 | 20.67 | Q V | . | . | . | . |
| 3.533 | 5.1664 | 20.69 | Q V | . | . | . | . |
| 3.550 | 5.1949 | 20.72 | Q V | . | . | . | . |
| 3.567 | 5.2235 | 20.74 | Q V | . | . | . | . |
| 3.583 | 5.2521 | 20.76 | Q V | . | . | . | . |
| 3.600 | 5.2807 | 20.78 | Q V | . | . | . | . |
| 3.617 | 5.3094 | 20.81 | Q V | . | . | . | . |
| 3.633 | 5.3380 | 20.83 | Q V | . | . | . | . |
| 3.650 | 5.3668 | 20.85 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 3.667 | 5.3955 | 20.88 | Q V | . | . | . | . |
| 3.683 | 5.4243 | 20.89 | Q V | . | . | . | . |
| 3.700 | 5.4531 | 20.90 | Q V | . | . | . | . |
| 3.717 | 5.4819 | 20.91 | Q V | . | . | . | . |
| 3.733 | 5.5107 | 20.92 | Q V | . | . | . | . |
| 3.750 | 5.5396 | 20.94 | Q V | . | . | . | . |
| 3.767 | 5.5684 | 20.95 | Q V | . | . | . | . |
| 3.783 | 5.5973 | 20.96 | Q V | . | . | . | . |
| 3.800 | 5.6262 | 20.97 | Q V | . | . | . | . |
| 3.817 | 5.6551 | 20.98 | Q V | . | . | . | . |
| 3.833 | 5.6840 | 20.99 | Q V | . | . | . | . |
| 3.850 | 5.7129 | 21.01 | Q V | . | . | . | . |
| 3.867 | 5.7419 | 21.02 | Q V | . | . | . | . |
| 3.883 | 5.7708 | 21.03 | Q V | . | . | . | . |
| 3.900 | 5.7998 | 21.04 | Q V | . | . | . | . |
| 3.917 | 5.8288 | 21.07 | Q V | . | . | . | . |
| 3.933 | 5.8579 | 21.09 | Q V | . | . | . | . |
| 3.950 | 5.8870 | 21.11 | Q V | . | . | . | . |
| 3.967 | 5.9161 | 21.14 | Q V | . | . | . | . |
| 3.983 | 5.9452 | 21.16 | Q V | . | . | . | . |
| 4.000 | 5.9744 | 21.19 | Q V | . | . | . | . |
| 4.017 | 6.0036 | 21.21 | Q V | . | . | . | . |
| 4.033 | 6.0329 | 21.24 | Q V | . | . | . | . |
| 4.050 | 6.0622 | 21.26 | Q V | . | . | . | . |
| 4.067 | 6.0915 | 21.28 | Q V | . | . | . | . |
| 4.083 | 6.1208 | 21.31 | Q V | . | . | . | . |
| 4.100 | 6.1502 | 21.33 | Q V | . | . | . | . |
| 4.117 | 6.1796 | 21.36 | Q V | . | . | . | . |
| 4.133 | 6.2091 | 21.38 | Q V | . | . | . | . |
| 4.150 | 6.2386 | 21.40 | Q V | . | . | . | . |
| 4.167 | 6.2680 | 21.41 | Q V | . | . | . | . |
| 4.183 | 6.2976 | 21.42 | Q V | . | . | . | . |
| 4.200 | 6.3271 | 21.43 | Q V | . | . | . | . |
| 4.217 | 6.3566 | 21.45 | Q V | . | . | . | . |
| 4.233 | 6.3862 | 21.46 | Q V | . | . | . | . |
| 4.250 | 6.4157 | 21.47 | Q V | . | . | . | . |
| 4.267 | 6.4453 | 21.48 | Q V | . | . | . | . |
| 4.283 | 6.4749 | 21.50 | Q V | . | . | . | . |
| 4.300 | 6.5046 | 21.51 | Q V | . | . | . | . |
| 4.317 | 6.5342 | 21.52 | Q V | . | . | . | . |
| 4.333 | 6.5639 | 21.53 | Q V | . | . | . | . |
| 4.350 | 6.5936 | 21.55 | Q V | . | . | . | . |
| 4.367 | 6.6233 | 21.56 | Q V | . | . | . | . |
| 4.383 | 6.6530 | 21.58 | Q V | . | . | . | . |
| 4.400 | 6.6827 | 21.61 | Q V | . | . | . | . |
| 4.417 | 6.7126 | 21.64 | Q V | . | . | . | . |
| 4.433 | 6.7424 | 21.66 | Q V | . | . | . | . |
| 4.450 | 6.7723 | 21.69 | Q V | . | . | . | . |
| 4.467 | 6.8022 | 21.71 | Q V | . | . | . | . |
| 4.483 | 6.8321 | 21.74 | Q V | . | . | . | . |
| 4.500 | 6.8621 | 21.77 | Q V | . | . | . | . |
| 4.517 | 6.8921 | 21.79 | Q V | . | . | . | . |
| 4.533 | 6.9222 | 21.82 | Q V | . | . | . | . |
| 4.550 | 6.9523 | 21.84 | Q V | . | . | . | . |
| 4.567 | 6.9824 | 21.87 | Q V | . | . | . | . |
| 4.583 | 7.0125 | 21.90 | Q V | . | . | . | . |
| 4.600 | 7.0427 | 21.92 | Q V | . | . | . | . |
| 4.617 | 7.0729 | 21.93 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 4.633 | 7.1032 | 21.95 | Q V | . | . | . | . |
| 4.650 | 7.1334 | 21.96 | Q V | . | . | . | . |
| 4.667 | 7.1637 | 21.97 | Q V | . | . | . | . |
| 4.683 | 7.1940 | 21.99 | Q V | . | . | . | . |
| 4.700 | 7.2243 | 22.00 | Q V | . | . | . | . |
| 4.717 | 7.2546 | 22.01 | Q V | . | . | . | . |
| 4.733 | 7.2849 | 22.03 | Q V | . | . | . | . |
| 4.750 | 7.3153 | 22.04 | Q V | . | . | . | . |
| 4.767 | 7.3457 | 22.05 | Q V | . | . | . | . |
| 4.783 | 7.3761 | 22.07 | Q V | . | . | . | . |
| 4.800 | 7.4065 | 22.08 | Q V | . | . | . | . |
| 4.817 | 7.4369 | 22.09 | Q V | . | . | . | . |
| 4.833 | 7.4674 | 22.11 | Q V | . | . | . | . |
| 4.850 | 7.4979 | 22.14 | Q V | . | . | . | . |
| 4.867 | 7.5284 | 22.16 | Q V | . | . | . | . |
| 4.883 | 7.5590 | 22.19 | Q V | . | . | . | . |
| 4.900 | 7.5896 | 22.22 | Q V | . | . | . | . |
| 4.917 | 7.6202 | 22.25 | Q V | . | . | . | . |
| 4.933 | 7.6509 | 22.28 | Q V | . | . | . | . |
| 4.950 | 7.6816 | 22.30 | Q V | . | . | . | . |
| 4.967 | 7.7124 | 22.33 | Q V | . | . | . | . |
| 4.983 | 7.7432 | 22.36 | Q V | . | . | . | . |
| 5.000 | 7.7740 | 22.39 | Q V | . | . | . | . |
| 5.017 | 7.8049 | 22.41 | Q V | . | . | . | . |
| 5.033 | 7.8358 | 22.44 | Q V | . | . | . | . |
| 5.050 | 7.8667 | 22.47 | Q V | . | . | . | . |
| 5.067 | 7.8977 | 22.49 | Q V | . | . | . | . |
| 5.083 | 7.9287 | 22.51 | Q V | . | . | . | . |
| 5.100 | 7.9598 | 22.52 | Q V | . | . | . | . |
| 5.117 | 7.9908 | 22.54 | Q V | . | . | . | . |
| 5.133 | 8.0219 | 22.55 | Q V | . | . | . | . |
| 5.150 | 8.0529 | 22.57 | Q V | . | . | . | . |
| 5.167 | 8.0841 | 22.58 | Q V | . | . | . | . |
| 5.183 | 8.1152 | 22.60 | Q V | . | . | . | . |
| 5.200 | 8.1463 | 22.61 | Q V | . | . | . | . |
| 5.217 | 8.1775 | 22.62 | Q V | . | . | . | . |
| 5.233 | 8.2087 | 22.64 | Q V | . | . | . | . |
| 5.250 | 8.2399 | 22.65 | Q V | . | . | . | . |
| 5.267 | 8.2711 | 22.67 | Q V | . | . | . | . |
| 5.283 | 8.3023 | 22.68 | Q V | . | . | . | . |
| 5.300 | 8.3336 | 22.70 | Q V | . | . | . | . |
| 5.317 | 8.3649 | 22.73 | Q V | . | . | . | . |
| 5.333 | 8.3963 | 22.76 | Q V | . | . | . | . |
| 5.350 | 8.4276 | 22.79 | Q V | . | . | . | . |
| 5.367 | 8.4591 | 22.82 | Q V | . | . | . | . |
| 5.383 | 8.4905 | 22.85 | Q V | . | . | . | . |
| 5.400 | 8.5220 | 22.88 | Q V | . | . | . | . |
| 5.417 | 8.5536 | 22.91 | Q V | . | . | . | . |
| 5.433 | 8.5852 | 22.94 | Q V | . | . | . | . |
| 5.450 | 8.6168 | 22.97 | Q V | . | . | . | . |
| 5.467 | 8.6485 | 23.00 | Q V | . | . | . | . |
| 5.483 | 8.6802 | 23.02 | Q V | . | . | . | . |
| 5.500 | 8.7120 | 23.05 | Q V | . | . | . | . |
| 5.517 | 8.7438 | 23.08 | Q V | . | . | . | . |
| 5.533 | 8.7756 | 23.11 | Q V | . | . | . | . |
| 5.550 | 8.8074 | 23.13 | Q V | . | . | . | . |
| 5.567 | 8.8393 | 23.14 | Q V | . | . | . | . |
| 5.583 | 8.8712 | 23.16 | Q V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 5.600 | 8.9031 | 23.17 | Q | V | . | . | . | . |
| 5.617 | 8.9351 | 23.19 | Q | V | . | . | . | . |
| 5.633 | 8.9670 | 23.20 | Q | V | . | . | . | . |
| 5.650 | 8.9990 | 23.22 | Q | V | . | . | . | . |
| 5.667 | 9.0310 | 23.23 | Q | V | . | . | . | . |
| 5.683 | 9.0631 | 23.25 | Q | V | . | . | . | . |
| 5.700 | 9.0951 | 23.27 | Q | V | . | . | . | . |
| 5.717 | 9.1272 | 23.28 | Q | V | . | . | . | . |
| 5.733 | 9.1593 | 23.30 | Q | V | . | . | . | . |
| 5.750 | 9.1914 | 23.31 | Q | V | . | . | . | . |
| 5.767 | 9.2235 | 23.33 | Q | V | . | . | . | . |
| 5.783 | 9.2557 | 23.36 | Q | V | . | . | . | . |
| 5.800 | 9.2879 | 23.39 | Q | V | . | . | . | . |
| 5.817 | 9.3202 | 23.43 | Q | V | . | . | . | . |
| 5.833 | 9.3525 | 23.46 | Q | V | . | . | . | . |
| 5.850 | 9.3848 | 23.49 | Q | V | . | . | . | . |
| 5.867 | 9.4172 | 23.52 | Q | V | . | . | . | . |
| 5.883 | 9.4497 | 23.55 | Q | V | . | . | . | . |
| 5.900 | 9.4822 | 23.59 | Q | V | . | . | . | . |
| 5.917 | 9.5147 | 23.62 | Q | V | . | . | . | . |
| 5.933 | 9.5473 | 23.65 | Q | V | . | . | . | . |
| 5.950 | 9.5799 | 23.68 | Q | V | . | . | . | . |
| 5.967 | 9.6126 | 23.71 | Q | V | . | . | . | . |
| 5.983 | 9.6453 | 23.74 | Q | V | . | . | . | . |
| 6.000 | 9.6780 | 23.77 | Q | V | . | . | . | . |
| 6.017 | 9.7108 | 23.79 | Q | V | . | . | . | . |
| 6.033 | 9.7436 | 23.81 | Q | V | . | . | . | . |
| 6.050 | 9.7764 | 23.82 | Q | V | . | . | . | . |
| 6.067 | 9.8092 | 23.84 | Q | V | . | . | . | . |
| 6.083 | 9.8421 | 23.86 | Q | V | . | . | . | . |
| 6.100 | 9.8750 | 23.87 | Q | V | . | . | . | . |
| 6.117 | 9.9079 | 23.89 | Q | V | . | . | . | . |
| 6.133 | 9.9408 | 23.91 | Q | V | . | . | . | . |
| 6.150 | 9.9737 | 23.92 | Q | V | . | . | . | . |
| 6.167 | 10.0067 | 23.94 | Q | V | . | . | . | . |
| 6.183 | 10.0397 | 23.95 | Q | V | . | . | . | . |
| 6.200 | 10.0727 | 23.97 | Q | V | . | . | . | . |
| 6.217 | 10.1058 | 23.99 | Q | V | . | . | . | . |
| 6.233 | 10.1388 | 24.01 | Q | V | . | . | . | . |
| 6.250 | 10.1720 | 24.04 | Q | V | . | . | . | . |
| 6.267 | 10.2051 | 24.08 | Q | V | . | . | . | . |
| 6.283 | 10.2383 | 24.11 | Q | V | . | . | . | . |
| 6.300 | 10.2716 | 24.15 | Q | V | . | . | . | . |
| 6.317 | 10.3049 | 24.18 | Q | V | . | . | . | . |
| 6.333 | 10.3382 | 24.21 | Q | V | . | . | . | . |
| 6.350 | 10.3716 | 24.25 | Q | V | . | . | . | . |
| 6.367 | 10.4051 | 24.28 | Q | V | . | . | . | . |
| 6.383 | 10.4386 | 24.32 | .Q | V | . | . | . | . |
| 6.400 | 10.4721 | 24.35 | .Q | V | . | . | . | . |
| 6.417 | 10.5057 | 24.39 | .Q | V | . | . | . | . |
| 6.433 | 10.5394 | 24.42 | .Q | V | . | . | . | . |
| 6.450 | 10.5730 | 24.46 | .Q | V | . | . | . | . |
| 6.467 | 10.6068 | 24.48 | .Q | V | . | . | . | . |
| 6.483 | 10.6405 | 24.50 | .Q | V | . | . | . | . |
| 6.500 | 10.6743 | 24.52 | .Q | V | . | . | . | . |
| 6.517 | 10.7081 | 24.54 | .Q | V | . | . | . | . |
| 6.533 | 10.7419 | 24.56 | .Q | V | . | . | . | . |
| 6.550 | 10.7758 | 24.57 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 6.567 | 10.8097 | 24.59 | .Q | V | . | . | . | . |
| 6.583 | 10.8436 | 24.61 | .Q | V | . | . | . | . |
| 6.600 | 10.8775 | 24.63 | .Q | V | . | . | . | . |
| 6.617 | 10.9114 | 24.65 | .Q | V | . | . | . | . |
| 6.633 | 10.9454 | 24.66 | .Q | V | . | . | . | . |
| 6.650 | 10.9794 | 24.68 | .Q | V | . | . | . | . |
| 6.667 | 11.0134 | 24.70 | .Q | V | . | . | . | . |
| 6.683 | 11.0475 | 24.72 | .Q | V | . | . | . | . |
| 6.700 | 11.0815 | 24.74 | .Q | V | . | . | . | . |
| 6.717 | 11.1157 | 24.78 | .Q | V | . | . | . | . |
| 6.733 | 11.1499 | 24.82 | .Q | V | . | . | . | . |
| 6.750 | 11.1841 | 24.85 | .Q | V | . | . | . | . |
| 6.767 | 11.2184 | 24.89 | .Q | V | . | . | . | . |
| 6.783 | 11.2527 | 24.93 | .Q | V | . | . | . | . |
| 6.800 | 11.2871 | 24.97 | .Q | V | . | . | . | . |
| 6.817 | 11.3215 | 25.00 | .Q | V | . | . | . | . |
| 6.833 | 11.3560 | 25.04 | .Q | V | . | . | . | . |
| 6.850 | 11.3906 | 25.08 | .Q | V | . | . | . | . |
| 6.867 | 11.4252 | 25.11 | .Q | V | . | . | . | . |
| 6.883 | 11.4598 | 25.15 | .Q | V | . | . | . | . |
| 6.900 | 11.4945 | 25.19 | .Q | V | . | . | . | . |
| 6.917 | 11.5292 | 25.23 | .Q | V | . | . | . | . |
| 6.933 | 11.5640 | 25.26 | .Q | V | . | . | . | . |
| 6.950 | 11.5988 | 25.28 | .Q | V | . | . | . | . |
| 6.967 | 11.6337 | 25.30 | .Q | V | . | . | . | . |
| 6.983 | 11.6686 | 25.31 | .Q | V | . | . | . | . |
| 7.000 | 11.7035 | 25.33 | .Q | V | . | . | . | . |
| 7.017 | 11.7384 | 25.35 | .Q | V | . | . | . | . |
| 7.033 | 11.7733 | 25.37 | .Q | V | . | . | . | . |
| 7.050 | 11.8083 | 25.39 | .Q | V | . | . | . | . |
| 7.067 | 11.8433 | 25.41 | .Q | V | . | . | . | . |
| 7.083 | 11.8783 | 25.43 | .Q | V | . | . | . | . |
| 7.100 | 11.9134 | 25.45 | .Q | V | . | . | . | . |
| 7.117 | 11.9485 | 25.47 | .Q | V | . | . | . | . |
| 7.133 | 11.9836 | 25.49 | .Q | V | . | . | . | . |
| 7.150 | 12.0187 | 25.51 | .Q | V | . | . | . | . |
| 7.167 | 12.0539 | 25.54 | .Q | V | . | . | . | . |
| 7.183 | 12.0891 | 25.58 | .Q | V | . | . | . | . |
| 7.200 | 12.1244 | 25.62 | .Q | V | . | . | . | . |
| 7.217 | 12.1597 | 25.66 | .Q | V | . | . | . | . |
| 7.233 | 12.1951 | 25.70 | .Q | V | . | . | . | . |
| 7.250 | 12.2306 | 25.74 | .Q | V | . | . | . | . |
| 7.267 | 12.2661 | 25.78 | .Q | V | . | . | . | . |
| 7.283 | 12.3016 | 25.82 | .Q | V | . | . | . | . |
| 7.300 | 12.3373 | 25.86 | .Q | V | . | . | . | . |
| 7.317 | 12.3729 | 25.90 | .Q | V | . | . | . | . |
| 7.333 | 12.4087 | 25.94 | .Q | V | . | . | . | . |
| 7.350 | 12.4444 | 25.98 | .Q | V | . | . | . | . |
| 7.367 | 12.4803 | 26.02 | .Q | V | . | . | . | . |
| 7.383 | 12.5162 | 26.06 | .Q | V | . | . | . | . |
| 7.400 | 12.5521 | 26.09 | .Q | V | . | . | . | . |
| 7.417 | 12.5881 | 26.11 | .Q | V | . | . | . | . |
| 7.433 | 12.6241 | 26.14 | .Q | V | . | . | . | . |
| 7.450 | 12.6601 | 26.16 | .Q | V | . | . | . | . |
| 7.467 | 12.6962 | 26.18 | .Q | V | . | . | . | . |
| 7.483 | 12.7323 | 26.20 | .Q | V | . | . | . | . |
| 7.500 | 12.7684 | 26.22 | .Q | V | . | . | . | . |
| 7.517 | 12.8045 | 26.24 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 7.533 | 12.8407 | 26.26 | .Q | V | . | . | . | . |
| 7.550 | 12.8769 | 26.28 | .Q | V | . | . | . | . |
| 7.567 | 12.9131 | 26.30 | .Q | V | . | . | . | . |
| 7.583 | 12.9494 | 26.33 | .Q | V | . | . | . | . |
| 7.600 | 12.9857 | 26.35 | .Q | V | . | . | . | . |
| 7.617 | 13.0220 | 26.37 | .Q | V | . | . | . | . |
| 7.633 | 13.0584 | 26.40 | .Q | V | . | . | . | . |
| 7.650 | 13.0948 | 26.44 | .Q | V | . | . | . | . |
| 7.667 | 13.1313 | 26.49 | .Q | V | . | . | . | . |
| 7.683 | 13.1678 | 26.53 | .Q | V | . | . | . | . |
| 7.700 | 13.2044 | 26.57 | .Q | V | . | . | . | . |
| 7.717 | 13.2411 | 26.62 | .Q | V | . | . | . | . |
| 7.733 | 13.2778 | 26.66 | .Q | V | . | . | . | . |
| 7.750 | 13.3146 | 26.71 | .Q | V | . | . | . | . |
| 7.767 | 13.3514 | 26.75 | .Q | V | . | . | . | . |
| 7.783 | 13.3883 | 26.79 | .Q | V | . | . | . | . |
| 7.800 | 13.4253 | 26.84 | .Q | V | . | . | . | . |
| 7.817 | 13.4623 | 26.88 | .Q | V | . | . | . | . |
| 7.833 | 13.4994 | 26.93 | .Q | V | . | . | . | . |
| 7.850 | 13.5366 | 26.97 | .Q | V | . | . | . | . |
| 7.867 | 13.5738 | 27.01 | .Q | V | . | . | . | . |
| 7.883 | 13.6110 | 27.03 | .Q | V | . | . | . | . |
| 7.900 | 13.6483 | 27.05 | .Q | V | . | . | . | . |
| 7.917 | 13.6856 | 27.07 | .Q | V | . | . | . | . |
| 7.933 | 13.7229 | 27.10 | .Q | V | . | . | . | . |
| 7.950 | 13.7602 | 27.12 | .Q | V | . | . | . | . |
| 7.967 | 13.7976 | 27.14 | .Q | V | . | . | . | . |
| 7.983 | 13.8351 | 27.17 | .Q | V | . | . | . | . |
| 8.000 | 13.8725 | 27.19 | .Q | V | . | . | . | . |
| 8.017 | 13.9100 | 27.21 | .Q | V | . | . | . | . |
| 8.033 | 13.9475 | 27.24 | .Q | V | . | . | . | . |
| 8.050 | 13.9851 | 27.26 | .Q | V | . | . | . | . |
| 8.067 | 14.0226 | 27.28 | .Q | V | . | . | . | . |
| 8.083 | 14.0602 | 27.31 | .Q | V | . | . | . | . |
| 8.100 | 14.0979 | 27.34 | .Q | V | . | . | . | . |
| 8.117 | 14.1356 | 27.39 | .Q | V | . | . | . | . |
| 8.133 | 14.1734 | 27.44 | .Q | V | . | . | . | . |
| 8.150 | 14.2113 | 27.49 | .Q | V | . | . | . | . |
| 8.167 | 14.2492 | 27.53 | .Q | V | . | . | . | . |
| 8.183 | 14.2872 | 27.58 | .Q | V | . | . | . | . |
| 8.200 | 14.3253 | 27.63 | .Q | V | . | . | . | . |
| 8.217 | 14.3634 | 27.68 | .Q | V | . | . | . | . |
| 8.233 | 14.4016 | 27.73 | .Q | V | . | . | . | . |
| 8.250 | 14.4398 | 27.78 | .Q | V | . | . | . | . |
| 8.267 | 14.4782 | 27.82 | .Q | V | . | . | . | . |
| 8.283 | 14.5166 | 27.87 | .Q | V | . | . | . | . |
| 8.300 | 14.5550 | 27.92 | .Q | V | . | . | . | . |
| 8.317 | 14.5935 | 27.97 | .Q | V | . | . | . | . |
| 8.333 | 14.6321 | 28.01 | .Q | V | . | . | . | . |
| 8.350 | 14.6707 | 28.03 | .Q | V | . | . | . | . |
| 8.367 | 14.7094 | 28.06 | .Q | V | . | . | . | . |
| 8.383 | 14.7481 | 28.08 | .Q | V | . | . | . | . |
| 8.400 | 14.7868 | 28.11 | .Q | V | . | . | . | . |
| 8.417 | 14.8255 | 28.13 | .Q | V | . | . | . | . |
| 8.433 | 14.8643 | 28.16 | .Q | V | . | . | . | . |
| 8.450 | 14.9031 | 28.18 | .Q | V | . | . | . | . |
| 8.467 | 14.9420 | 28.21 | .Q | V | . | . | . | . |
| 8.483 | 14.9809 | 28.23 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 8.500 | 15.0198 | 28.26 | .Q | V | . | . | . | . |
| 8.517 | 15.0588 | 28.29 | .Q | V | . | . | . | . |
| 8.533 | 15.0978 | 28.31 | .Q | V | . | . | . | . |
| 8.550 | 15.1368 | 28.34 | .Q | V | . | . | . | . |
| 8.567 | 15.1759 | 28.38 | .Q | V | . | . | . | . |
| 8.583 | 15.2150 | 28.43 | .Q | V | . | . | . | . |
| 8.600 | 15.2543 | 28.48 | .Q | V | . | . | . | . |
| 8.617 | 15.2936 | 28.54 | .Q | V | . | . | . | . |
| 8.633 | 15.3330 | 28.59 | .Q | V | . | . | . | . |
| 8.650 | 15.3724 | 28.64 | .Q | V | . | . | . | . |
| 8.667 | 15.4119 | 28.70 | .Q | V | . | . | . | . |
| 8.683 | 15.4515 | 28.75 | .Q | V | . | . | . | . |
| 8.700 | 15.4912 | 28.80 | .Q | V | . | . | . | . |
| 8.717 | 15.5310 | 28.86 | .Q | V | . | . | . | . |
| 8.733 | 15.5708 | 28.91 | .Q | V | . | . | . | . |
| 8.750 | 15.6107 | 28.96 | .Q | V | . | . | . | . |
| 8.767 | 15.6506 | 29.02 | .Q | V | . | . | . | . |
| 8.783 | 15.6907 | 29.07 | .Q | V | . | . | . | . |
| 8.800 | 15.7308 | 29.11 | .Q | V | . | . | . | . |
| 8.817 | 15.7709 | 29.14 | .Q | V | . | . | . | . |
| 8.833 | 15.8111 | 29.17 | .Q | V | . | . | . | . |
| 8.850 | 15.8513 | 29.19 | .Q | V | . | . | . | . |
| 8.867 | 15.8915 | 29.22 | .Q | V | . | . | . | . |
| 8.883 | 15.9318 | 29.25 | .Q | V | . | . | . | . |
| 8.900 | 15.9722 | 29.28 | .Q | V | . | . | . | . |
| 8.917 | 16.0125 | 29.31 | .Q | V | . | . | . | . |
| 8.933 | 16.0529 | 29.33 | .Q | V | . | . | . | . |
| 8.950 | 16.0934 | 29.36 | .Q | V | . | . | . | . |
| 8.967 | 16.1338 | 29.39 | .Q | V | . | . | . | . |
| 8.983 | 16.1744 | 29.42 | .Q | V | . | . | . | . |
| 9.000 | 16.2149 | 29.45 | .Q | V | . | . | . | . |
| 9.017 | 16.2555 | 29.47 | .Q | V | . | . | . | . |
| 9.033 | 16.2962 | 29.52 | .Q | V | . | . | . | . |
| 9.050 | 16.3369 | 29.58 | .Q | V | . | . | . | . |
| 9.067 | 16.3777 | 29.64 | .Q | V | . | . | . | . |
| 9.083 | 16.4187 | 29.70 | .Q | V | . | . | . | . |
| 9.100 | 16.4596 | 29.76 | .Q | V | . | . | . | . |
| 9.117 | 16.5007 | 29.82 | .Q | V | . | . | . | . |
| 9.133 | 16.5419 | 29.88 | .Q | V | . | . | . | . |
| 9.150 | 16.5831 | 29.93 | .Q | V | . | . | . | . |
| 9.167 | 16.6244 | 29.99 | .Q | V | . | . | . | . |
| 9.183 | 16.6658 | 30.05 | .Q | V | . | . | . | . |
| 9.200 | 16.7073 | 30.11 | .Q | V | . | . | . | . |
| 9.217 | 16.7488 | 30.17 | .Q | V | . | . | . | . |
| 9.233 | 16.7905 | 30.23 | .Q | V | . | . | . | . |
| 9.250 | 16.8322 | 30.29 | .Q | V | . | . | . | . |
| 9.267 | 16.8740 | 30.33 | .Q | V | . | . | . | . |
| 9.283 | 16.9158 | 30.36 | .Q | V | . | . | . | . |
| 9.300 | 16.9577 | 30.39 | .Q | V | . | . | . | . |
| 9.317 | 16.9996 | 30.42 | .Q | V | . | . | . | . |
| 9.333 | 17.0415 | 30.46 | .Q | V | . | . | . | . |
| 9.350 | 17.0835 | 30.49 | .Q | V | . | . | . | . |
| 9.367 | 17.1255 | 30.52 | .Q | V | . | . | . | . |
| 9.383 | 17.1676 | 30.55 | .Q | V | . | . | . | . |
| 9.400 | 17.2097 | 30.58 | .Q | V | . | . | . | . |
| 9.417 | 17.2519 | 30.61 | .Q | V | . | . | . | . |
| 9.433 | 17.2941 | 30.64 | .Q | V | . | . | . | . |
| 9.450 | 17.3364 | 30.67 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 9.467 | 17.3787 | 30.71 | .Q | V | . | . | . | . |
| 9.483 | 17.4210 | 30.74 | .Q | V | . | . | . | . |
| 9.500 | 17.4634 | 30.79 | .Q | V | . | . | . | . |
| 9.517 | 17.5059 | 30.86 | .Q | V | . | . | . | . |
| 9.533 | 17.5485 | 30.92 | .Q | V | . | . | . | . |
| 9.550 | 17.5912 | 30.99 | .Q | V | . | . | . | . |
| 9.567 | 17.6340 | 31.06 | .Q | V | . | . | . | . |
| 9.583 | 17.6769 | 31.12 | .Q | V | . | . | . | . |
| 9.600 | 17.7198 | 31.19 | .Q | V | . | . | . | . |
| 9.617 | 17.7629 | 31.25 | .Q | V | . | . | . | . |
| 9.633 | 17.8060 | 31.32 | .Q | V | . | . | . | . |
| 9.650 | 17.8492 | 31.39 | .Q | V | . | . | . | . |
| 9.667 | 17.8926 | 31.45 | .Q | V | . | . | . | . |
| 9.683 | 17.9360 | 31.52 | .Q | V | . | . | . | . |
| 9.700 | 17.9795 | 31.58 | .Q | V | . | . | . | . |
| 9.717 | 18.0231 | 31.65 | .Q | V | . | . | . | . |
| 9.733 | 18.0667 | 31.70 | .Q | V | . | . | . | . |
| 9.750 | 18.1104 | 31.73 | .Q | V | . | . | . | . |
| 9.767 | 18.1542 | 31.77 | .Q | V | . | . | . | . |
| 9.783 | 18.1980 | 31.80 | .Q | V | . | . | . | . |
| 9.800 | 18.2418 | 31.84 | .Q | V | . | . | . | . |
| 9.817 | 18.2857 | 31.87 | .Q | V | . | . | . | . |
| 9.833 | 18.3297 | 31.91 | .Q | V | . | . | . | . |
| 9.850 | 18.3737 | 31.94 | .Q | V | . | . | . | . |
| 9.867 | 18.4177 | 31.98 | .Q | V | . | . | . | . |
| 9.883 | 18.4618 | 32.01 | .Q | V | . | . | . | . |
| 9.900 | 18.5060 | 32.05 | .Q | V | . | . | . | . |
| 9.917 | 18.5501 | 32.08 | .Q | V | . | . | . | . |
| 9.933 | 18.5944 | 32.12 | .Q | V | . | . | . | . |
| 9.950 | 18.6387 | 32.15 | .Q | V | . | . | . | . |
| 9.967 | 18.6830 | 32.21 | .Q | V | . | . | . | . |
| 9.983 | 18.7275 | 32.29 | .Q | V | . | . | . | . |
| 10.000 | 18.7721 | 32.36 | .Q | V | . | . | . | . |
| 10.017 | 18.8168 | 32.44 | .Q | V | . | . | . | . |
| 10.033 | 18.8616 | 32.51 | .Q | V | . | . | . | . |
| 10.050 | 18.9064 | 32.59 | .Q | V | . | . | . | . |
| 10.067 | 18.9514 | 32.66 | .Q | V | . | . | . | . |
| 10.083 | 18.9965 | 32.74 | .Q | V | . | . | . | . |
| 10.100 | 19.0417 | 32.81 | .Q | V | . | . | . | . |
| 10.117 | 19.0870 | 32.89 | .Q | V | . | . | . | . |
| 10.133 | 19.1324 | 32.96 | .Q | V | . | . | . | . |
| 10.150 | 19.1779 | 33.03 | .Q | V | . | . | . | . |
| 10.167 | 19.2235 | 33.11 | .Q | V | . | . | . | . |
| 10.183 | 19.2692 | 33.18 | .Q | V | . | . | . | . |
| 10.200 | 19.3150 | 33.23 | .Q | V | . | . | . | . |
| 10.217 | 19.3608 | 33.27 | .Q | V | . | . | . | . |
| 10.233 | 19.4067 | 33.31 | .Q | V | . | . | . | . |
| 10.250 | 19.4526 | 33.35 | .Q | V | . | . | . | . |
| 10.267 | 19.4986 | 33.39 | .Q | V | . | . | . | . |
| 10.283 | 19.5447 | 33.43 | .Q | V | . | . | . | . |
| 10.300 | 19.5908 | 33.47 | .Q | V | . | . | . | . |
| 10.317 | 19.6369 | 33.51 | .Q | V | . | . | . | . |
| 10.333 | 19.6832 | 33.55 | .Q | V | . | . | . | . |
| 10.350 | 19.7294 | 33.59 | .Q | V | . | . | . | . |
| 10.367 | 19.7757 | 33.63 | .Q | V | . | . | . | . |
| 10.383 | 19.8221 | 33.67 | .Q | V | . | . | . | . |
| 10.400 | 19.8685 | 33.71 | .Q | V | . | . | . | . |
| 10.417 | 19.9150 | 33.75 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 10.433 | 19.9616 | 33.82 | .Q | V | . | . | . | . |
| 10.450 | 20.0083 | 33.91 | .Q | V | . | . | . | . |
| 10.467 | 20.0552 | 33.99 | .Q | V | . | . | . | . |
| 10.483 | 20.1021 | 34.08 | .Q | V | . | . | . | . |
| 10.500 | 20.1491 | 34.16 | .Q | V | . | . | . | . |
| 10.517 | 20.1963 | 34.25 | .Q | V | . | . | . | . |
| 10.533 | 20.2436 | 34.33 | .Q | V | . | . | . | . |
| 10.550 | 20.2910 | 34.42 | .Q | V | . | . | . | . |
| 10.567 | 20.3385 | 34.50 | .Q | V | . | . | . | . |
| 10.583 | 20.3862 | 34.59 | .Q | V | . | . | . | . |
| 10.600 | 20.4339 | 34.67 | .Q | V | . | . | . | . |
| 10.617 | 20.4818 | 34.75 | .Q | V | . | . | . | . |
| 10.633 | 20.5298 | 34.84 | .Q | V | . | . | . | . |
| 10.650 | 20.5779 | 34.92 | .Q | V | . | . | . | . |
| 10.667 | 20.6261 | 34.98 | .Q | V | . | . | . | . |
| 10.683 | 20.6743 | 35.02 | .Q | V | . | . | . | . |
| 10.700 | 20.7226 | 35.07 | .Q | V | . | . | . | . |
| 10.717 | 20.7710 | 35.11 | .Q | V | . | . | . | . |
| 10.733 | 20.8194 | 35.16 | .Q | V | . | . | . | . |
| 10.750 | 20.8679 | 35.20 | .Q | V | . | . | . | . |
| 10.767 | 20.9164 | 35.25 | .Q | V | . | . | . | . |
| 10.783 | 20.9651 | 35.29 | .Q | V | . | . | . | . |
| 10.800 | 21.0137 | 35.34 | .Q | V | . | . | . | . |
| 10.817 | 21.0625 | 35.38 | .Q | V | . | . | . | . |
| 10.833 | 21.1113 | 35.43 | .Q | V | . | . | . | . |
| 10.850 | 21.1601 | 35.48 | .Q | V | . | . | . | . |
| 10.867 | 21.2091 | 35.52 | .Q | V | . | . | . | . |
| 10.883 | 21.2581 | 35.57 | .Q | V | . | . | . | . |
| 10.900 | 21.3072 | 35.66 | .Q | V | . | . | . | . |
| 10.917 | 21.3564 | 35.75 | .Q | V | . | . | . | . |
| 10.933 | 21.4058 | 35.85 | .Q | V | . | . | . | . |
| 10.950 | 21.4553 | 35.95 | .Q | V | . | . | . | . |
| 10.967 | 21.5050 | 36.05 | .Q | V | . | . | . | . |
| 10.983 | 21.5547 | 36.14 | .Q | V | . | . | . | . |
| 11.000 | 21.6047 | 36.24 | .Q | V | . | . | . | . |
| 11.017 | 21.6547 | 36.34 | .Q | V | . | . | . | . |
| 11.033 | 21.7049 | 36.44 | .Q | V | . | . | . | . |
| 11.050 | 21.7552 | 36.53 | .Q | V | . | . | . | . |
| 11.067 | 21.8057 | 36.63 | .Q | V | . | . | . | . |
| 11.083 | 21.8563 | 36.73 | .Q | V | . | . | . | . |
| 11.100 | 21.9070 | 36.83 | .Q | V | . | . | . | . |
| 11.117 | 21.9578 | 36.92 | .Q | V | . | . | . | . |
| 11.133 | 22.0088 | 36.98 | .Q | V | . | . | . | . |
| 11.150 | 22.0598 | 37.03 | .Q | V | . | . | . | . |
| 11.167 | 22.1109 | 37.09 | .Q | V | . | . | . | . |
| 11.183 | 22.1620 | 37.14 | .Q | V | . | . | . | . |
| 11.200 | 22.2133 | 37.19 | .Q | V | . | . | . | . |
| 11.217 | 22.2646 | 37.24 | .Q | V | . | . | . | . |
| 11.233 | 22.3159 | 37.30 | .Q | V | . | . | . | . |
| 11.250 | 22.3674 | 37.35 | .Q | V | . | . | . | . |
| 11.267 | 22.4189 | 37.40 | .Q | V | . | . | . | . |
| 11.283 | 22.4705 | 37.45 | .Q | V | . | . | . | . |
| 11.300 | 22.5221 | 37.51 | .Q | V | . | . | . | . |
| 11.317 | 22.5739 | 37.56 | .Q | V | . | . | . | . |
| 11.333 | 22.6257 | 37.61 | .Q | V | . | . | . | . |
| 11.350 | 22.6776 | 37.67 | .Q | V | . | . | . | . |
| 11.367 | 22.7296 | 37.77 | .Q | V | . | . | . | . |
| 11.383 | 22.7818 | 37.88 | .Q | V | . | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 11.400 | 22.8341 | 38.00 | .Q | V | . | . | . |
| 11.417 | 22.8866 | 38.11 | .Q | V | . | . | . |
| 11.433 | 22.9393 | 38.23 | .Q | V | . | . | . |
| 11.450 | 22.9921 | 38.34 | .Q | V | . | . | . |
| 11.467 | 23.0450 | 38.45 | .Q | V | . | . | . |
| 11.483 | 23.0982 | 38.57 | .Q | V | . | . | . |
| 11.500 | 23.1514 | 38.68 | .Q | V | . | . | . |
| 11.517 | 23.2049 | 38.79 | .Q | V | . | . | . |
| 11.533 | 23.2585 | 38.91 | .Q | V | . | . | . |
| 11.550 | 23.3122 | 39.02 | .Q | V | . | . | . |
| 11.567 | 23.3661 | 39.13 | .Q | V | . | . | . |
| 11.583 | 23.4202 | 39.24 | .Q | V | . | . | . |
| 11.600 | 23.4743 | 39.31 | .Q | V | . | . | . |
| 11.617 | 23.5285 | 39.37 | .Q | V | . | . | . |
| 11.633 | 23.5829 | 39.44 | .Q | V | . | . | . |
| 11.650 | 23.6373 | 39.50 | .Q | V | . | . | . |
| 11.667 | 23.6918 | 39.56 | .Q | V | . | . | . |
| 11.683 | 23.7463 | 39.62 | .Q | V | . | . | . |
| 11.700 | 23.8010 | 39.68 | .Q | V | . | . | . |
| 11.717 | 23.8557 | 39.74 | .Q | V | . | . | . |
| 11.733 | 23.9106 | 39.81 | .Q | V | . | . | . |
| 11.750 | 23.9655 | 39.87 | .Q | V | . | . | . |
| 11.767 | 24.0205 | 39.93 | .Q | V | . | . | . |
| 11.783 | 24.0756 | 39.99 | .Q | V | . | . | . |
| 11.800 | 24.1307 | 40.05 | .Q | V | . | . | . |
| 11.817 | 24.1860 | 40.12 | .Q | V | . | . | . |
| 11.833 | 24.2414 | 40.25 | .Q | V | . | . | . |
| 11.850 | 24.2971 | 40.38 | .Q | V | . | . | . |
| 11.867 | 24.3529 | 40.51 | .Q | V | . | . | . |
| 11.883 | 24.4088 | 40.65 | .Q | V | . | . | . |
| 11.900 | 24.4650 | 40.78 | .Q | V | . | . | . |
| 11.917 | 24.5214 | 40.92 | .Q | V | . | . | . |
| 11.933 | 24.5779 | 41.05 | .Q | V | . | . | . |
| 11.950 | 24.6347 | 41.19 | .Q | V | . | . | . |
| 11.967 | 24.6916 | 41.32 | .Q | V | . | . | . |
| 11.983 | 24.7487 | 41.46 | .Q | V | . | . | . |
| 12.000 | 24.8060 | 41.59 | .Q | V | . | . | . |
| 12.017 | 24.8634 | 41.72 | .Q | V | . | . | . |
| 12.033 | 24.9211 | 41.86 | .Q | V | . | . | . |
| 12.050 | 24.9790 | 42.06 | .Q | V | . | . | . |
| 12.067 | 25.0378 | 42.68 | .Q | V | . | . | . |
| 12.083 | 25.0976 | 43.37 | .Q | V | . | . | . |
| 12.100 | 25.1583 | 44.07 | .Q | V | . | . | . |
| 12.117 | 25.2199 | 44.76 | .Q | V | . | . | . |
| 12.133 | 25.2825 | 45.45 | .Q | V | . | . | . |
| 12.150 | 25.3461 | 46.14 | .Q | V | . | . | . |
| 12.167 | 25.4106 | 46.84 | .Q | V | . | . | . |
| 12.183 | 25.4761 | 47.53 | .Q | V | . | . | . |
| 12.200 | 25.5425 | 48.22 | .Q | V | . | . | . |
| 12.217 | 25.6099 | 48.92 | .Q | V | . | . | . |
| 12.233 | 25.6782 | 49.61 | .Q | V | . | . | . |
| 12.250 | 25.7475 | 50.30 | .Q | V | . | . | . |
| 12.267 | 25.8177 | 50.99 | .Q | V | . | . | . |
| 12.283 | 25.8888 | 51.64 | .Q | V | . | . | . |
| 12.300 | 25.9605 | 52.04 | .Q | V | . | . | . |
| 12.317 | 26.0327 | 52.39 | .Q | V | . | . | . |
| 12.333 | 26.1054 | 52.75 | .Q | V | . | . | . |
| 12.350 | 26.1785 | 53.11 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.367 | 26.2521 | 53.47 | .Q | V | . | . | . |
| 12.383 | 26.3263 | 53.82 | .Q | V | . | . | . |
| 12.400 | 26.4009 | 54.18 | .Q | V | . | . | . |
| 12.417 | 26.4760 | 54.54 | .Q | V | . | . | . |
| 12.433 | 26.5516 | 54.90 | .Q | V | . | . | . |
| 12.450 | 26.6278 | 55.25 | .Q | V | . | . | . |
| 12.467 | 26.7043 | 55.61 | .Q | V | . | . | . |
| 12.483 | 26.7814 | 55.97 | .Q | V | . | . | . |
| 12.500 | 26.8590 | 56.32 | .Q | V | . | . | . |
| 12.517 | 26.9370 | 56.64 | .Q | V | . | . | . |
| 12.533 | 27.0152 | 56.76 | .Q | V | . | . | . |
| 12.550 | 27.0935 | 56.86 | .Q | V | . | . | . |
| 12.567 | 27.1720 | 56.95 | .Q | V | . | . | . |
| 12.583 | 27.2506 | 57.05 | .Q | V | . | . | . |
| 12.600 | 27.3293 | 57.14 | .Q | V | . | . | . |
| 12.617 | 27.4081 | 57.24 | .Q | V | . | . | . |
| 12.633 | 27.4871 | 57.33 | .Q | V | . | . | . |
| 12.650 | 27.5662 | 57.43 | .Q | V | . | . | . |
| 12.667 | 27.6454 | 57.52 | .Q | V | . | . | . |
| 12.683 | 27.7248 | 57.62 | .Q | V | . | . | . |
| 12.700 | 27.8043 | 57.71 | .Q | V | . | . | . |
| 12.717 | 27.8839 | 57.81 | .Q | V | . | . | . |
| 12.733 | 27.9637 | 57.90 | .Q | V | . | . | . |
| 12.750 | 28.0436 | 58.02 | .Q | V | . | . | . |
| 12.767 | 28.1238 | 58.22 | .Q | .V | . | . | . |
| 12.783 | 28.2042 | 58.43 | .Q | .V | . | . | . |
| 12.800 | 28.2850 | 58.64 | .Q | .V | . | . | . |
| 12.817 | 28.3661 | 58.85 | .Q | .V | . | . | . |
| 12.833 | 28.4474 | 59.06 | .Q | .V | . | . | . |
| 12.850 | 28.5291 | 59.27 | .Q | .V | . | . | . |
| 12.867 | 28.6110 | 59.48 | .Q | .V | . | . | . |
| 12.883 | 28.6932 | 59.69 | .Q | .V | . | . | . |
| 12.900 | 28.7757 | 59.90 | .Q | .V | . | . | . |
| 12.917 | 28.8585 | 60.11 | .Q | .V | . | . | . |
| 12.933 | 28.9416 | 60.32 | .Q | .V | . | . | . |
| 12.950 | 29.0250 | 60.53 | .Q | .V | . | . | . |
| 12.967 | 29.1087 | 60.74 | .Q | .V | . | . | . |
| 12.983 | 29.1926 | 60.94 | .Q | .V | . | . | . |
| 13.000 | 29.2767 | 61.06 | .Q | .V | . | . | . |
| 13.017 | 29.3610 | 61.18 | .Q | .V | . | . | . |
| 13.033 | 29.4454 | 61.30 | .Q | .V | . | . | . |
| 13.050 | 29.5300 | 61.41 | .Q | .V | . | . | . |
| 13.067 | 29.6147 | 61.53 | .Q | .V | . | . | . |
| 13.083 | 29.6997 | 61.65 | .Q | .V | . | . | . |
| 13.100 | 29.7847 | 61.77 | .Q | .V | . | . | . |
| 13.117 | 29.8700 | 61.88 | .Q | .V | . | . | . |
| 13.133 | 29.9554 | 62.00 | .Q | .V | . | . | . |
| 13.150 | 30.0409 | 62.12 | .Q | .V | . | . | . |
| 13.167 | 30.1267 | 62.24 | .Q | .V | . | . | . |
| 13.183 | 30.2126 | 62.35 | .Q | .V | . | . | . |
| 13.200 | 30.2986 | 62.47 | .Q | .V | . | . | . |
| 13.217 | 30.3849 | 62.62 | .Q | .V | . | . | . |
| 13.233 | 30.4715 | 62.88 | .Q | .V | . | . | . |
| 13.250 | 30.5584 | 63.14 | .Q | .V | . | . | . |
| 13.267 | 30.6458 | 63.41 | .Q | .V | . | . | . |
| 13.283 | 30.7335 | 63.67 | .Q | .V | . | . | . |
| 13.300 | 30.8215 | 63.94 | .Q | .V | . | . | . |
| 13.317 | 30.9100 | 64.20 | .Q | .V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 13.333 | 30.9988 | 64.47 | . Q | . V | . | . | . |
| 13.350 | 31.0879 | 64.73 | . Q | . V | . | . | . |
| 13.367 | 31.1775 | 65.00 | . Q | . V | . | . | . |
| 13.383 | 31.2674 | 65.26 | . Q | . V | . | . | . |
| 13.400 | 31.3576 | 65.53 | . Q | . V | . | . | . |
| 13.417 | 31.4483 | 65.79 | . Q | . V | . | . | . |
| 13.433 | 31.5392 | 66.06 | . Q | . V | . | . | . |
| 13.450 | 31.6306 | 66.30 | . Q | . V | . | . | . |
| 13.467 | 31.7221 | 66.46 | . Q | . V | . | . | . |
| 13.483 | 31.8138 | 66.61 | . Q | . V | . | . | . |
| 13.500 | 31.9058 | 66.76 | . Q | . V | . | . | . |
| 13.517 | 31.9980 | 66.91 | . Q | . V | . | . | . |
| 13.533 | 32.0903 | 67.06 | . Q | . V | . | . | . |
| 13.550 | 32.1829 | 67.21 | . Q | . V | . | . | . |
| 13.567 | 32.2757 | 67.36 | . Q | . V | . | . | . |
| 13.583 | 32.3687 | 67.51 | . Q | . V | . | . | . |
| 13.600 | 32.4619 | 67.66 | . Q | . V | . | . | . |
| 13.617 | 32.5553 | 67.81 | . Q | . V | . | . | . |
| 13.633 | 32.6489 | 67.96 | . Q | . V | . | . | . |
| 13.650 | 32.7427 | 68.11 | . Q | . V | . | . | . |
| 13.667 | 32.8367 | 68.27 | . Q | . V | . | . | . |
| 13.683 | 32.9310 | 68.46 | . Q | . V | . | . | . |
| 13.700 | 33.0258 | 68.80 | . Q | . V | . | . | . |
| 13.717 | 33.1211 | 69.15 | . Q | . V | . | . | . |
| 13.733 | 33.2168 | 69.50 | . Q | . V | . | . | . |
| 13.750 | 33.3130 | 69.85 | . Q | . V | . | . | . |
| 13.767 | 33.4097 | 70.20 | . Q | . V | . | . | . |
| 13.783 | 33.5069 | 70.54 | . Q | . V | . | . | . |
| 13.800 | 33.6045 | 70.89 | . Q | . V | . | . | . |
| 13.817 | 33.7026 | 71.24 | . Q | . V | . | . | . |
| 13.833 | 33.8013 | 71.59 | . Q | . V | . | . | . |
| 13.850 | 33.9003 | 71.94 | . Q | . V | . | . | . |
| 13.867 | 33.9999 | 72.29 | . Q | . V | . | . | . |
| 13.883 | 34.1000 | 72.63 | . Q | . V | . | . | . |
| 13.900 | 34.2005 | 72.98 | . Q | . V | . | . | . |
| 13.917 | 34.3014 | 73.29 | . Q | . V | . | . | . |
| 13.933 | 34.4027 | 73.50 | . Q | . V | . | . | . |
| 13.950 | 34.5042 | 73.70 | . Q | . V | . | . | . |
| 13.967 | 34.6060 | 73.91 | . Q | . V | . | . | . |
| 13.983 | 34.7081 | 74.11 | . Q | . V | . | . | . |
| 14.000 | 34.8104 | 74.31 | . Q | . V | . | . | . |
| 14.017 | 34.9131 | 74.52 | . Q | . V | . | . | . |
| 14.033 | 35.0160 | 74.72 | . Q | . V | . | . | . |
| 14.050 | 35.1192 | 74.92 | . Q | . V | . | . | . |
| 14.067 | 35.2227 | 75.13 | . Q | . V | . | . | . |
| 14.083 | 35.3264 | 75.33 | . Q | . V | . | . | . |
| 14.100 | 35.4305 | 75.53 | . Q | . V | . | . | . |
| 14.117 | 35.5348 | 75.73 | . Q | . V | . | . | . |
| 14.133 | 35.6394 | 75.94 | . Q | . V | . | . | . |
| 14.150 | 35.7444 | 76.22 | . Q | . V | . | . | . |
| 14.167 | 35.8500 | 76.70 | . Q | . V | . | . | . |
| 14.183 | 35.9564 | 77.19 | . Q | . V | . | . | . |
| 14.200 | 36.0634 | 77.68 | . Q | . V | . | . | . |
| 14.217 | 36.1710 | 78.17 | . Q | . V | . | . | . |
| 14.233 | 36.2794 | 78.66 | . Q | . V | . | . | . |
| 14.250 | 36.3884 | 79.15 | . Q | . V | . | . | . |
| 14.267 | 36.4981 | 79.64 | . Q | . V | . | . | . |
| 14.283 | 36.6085 | 80.13 | . Q | . V | . | . | . |

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|--------|---------|--------|-----|-----|---|---|---|
| 14.300 | 36.7195 | 80.61 | . Q | . V | . | . | . |
| 14.317 | 36.8312 | 81.10 | . Q | . V | . | . | . |
| 14.333 | 36.9436 | 81.59 | . Q | . V | . | . | . |
| 14.350 | 37.0567 | 82.08 | . Q | . V | . | . | . |
| 14.367 | 37.1704 | 82.57 | . Q | . V | . | . | . |
| 14.383 | 37.2847 | 83.00 | . Q | . V | . | . | . |
| 14.400 | 37.3994 | 83.30 | . Q | . V | . | . | . |
| 14.417 | 37.5146 | 83.59 | . Q | . V | . | . | . |
| 14.433 | 37.6301 | 83.88 | . Q | . V | . | . | . |
| 14.450 | 37.7461 | 84.18 | . Q | . V | . | . | . |
| 14.467 | 37.8624 | 84.47 | . Q | . V | . | . | . |
| 14.483 | 37.9792 | 84.77 | . Q | . V | . | . | . |
| 14.500 | 38.0964 | 85.06 | . Q | . V | . | . | . |
| 14.517 | 38.2139 | 85.36 | . Q | . V | . | . | . |
| 14.533 | 38.3319 | 85.65 | . Q | . V | . | . | . |
| 14.550 | 38.4503 | 85.94 | . Q | . V | . | . | . |
| 14.567 | 38.5691 | 86.24 | . Q | . V | . | . | . |
| 14.583 | 38.6883 | 86.53 | . Q | . V | . | . | . |
| 14.600 | 38.8078 | 86.83 | . Q | . V | . | . | . |
| 14.617 | 38.9281 | 87.27 | . Q | . V | . | . | . |
| 14.633 | 39.0493 | 88.00 | . Q | . V | . | . | . |
| 14.650 | 39.1715 | 88.75 | . Q | . V | . | . | . |
| 14.667 | 39.2948 | 89.49 | . Q | . V | . | . | . |
| 14.683 | 39.4191 | 90.23 | . Q | . V | . | . | . |
| 14.700 | 39.5444 | 90.97 | . Q | . V | . | . | . |
| 14.717 | 39.6707 | 91.71 | . Q | . V | . | . | . |
| 14.733 | 39.7980 | 92.45 | . Q | . V | . | . | . |
| 14.750 | 39.9264 | 93.19 | . Q | . V | . | . | . |
| 14.767 | 40.0558 | 93.93 | . Q | . V | . | . | . |
| 14.783 | 40.1862 | 94.67 | . Q | . V | . | . | . |
| 14.800 | 40.3176 | 95.42 | . Q | . V | . | . | . |
| 14.817 | 40.4501 | 96.16 | . Q | . V | . | . | . |
| 14.833 | 40.5835 | 96.90 | . Q | . V | . | . | . |
| 14.850 | 40.7179 | 97.55 | . Q | . V | . | . | . |
| 14.867 | 40.8529 | 98.03 | . Q | . V | . | . | . |
| 14.883 | 40.9886 | 98.51 | . Q | . V | . | . | . |
| 14.900 | 41.1249 | 98.99 | . Q | . V | . | . | . |
| 14.917 | 41.2620 | 99.47 | . Q | . V | . | . | . |
| 14.933 | 41.3996 | 99.95 | . Q | . V | . | . | . |
| 14.950 | 41.5380 | 100.43 | . Q | . V | . | . | . |
| 14.967 | 41.6770 | 100.91 | . Q | . V | . | . | . |
| 14.983 | 41.8166 | 101.39 | . Q | . V | . | . | . |
| 15.000 | 41.9569 | 101.87 | . Q | . V | . | . | . |
| 15.017 | 42.0979 | 102.35 | . Q | . V | . | . | . |
| 15.033 | 42.2395 | 102.83 | . Q | . V | . | . | . |
| 15.050 | 42.3818 | 103.31 | . Q | . V | . | . | . |
| 15.067 | 42.5248 | 103.79 | . Q | . V | . | . | . |
| 15.083 | 42.6689 | 104.60 | . Q | . V | . | . | . |
| 15.100 | 42.8148 | 105.94 | . Q | . V | . | . | . |
| 15.117 | 42.9626 | 107.28 | . Q | . V | . | . | . |
| 15.133 | 43.1122 | 108.61 | . Q | . V | . | . | . |
| 15.150 | 43.2636 | 109.95 | . Q | . V | . | . | . |
| 15.167 | 43.4169 | 111.29 | . Q | . V | . | . | . |
| 15.183 | 43.5721 | 112.63 | . Q | . V | . | . | . |
| 15.200 | 43.7291 | 113.97 | . Q | . V | . | . | . |
| 15.217 | 43.8879 | 115.31 | . Q | . V | . | . | . |
| 15.233 | 44.0486 | 116.65 | . Q | . V | . | . | . |
| 15.250 | 44.2111 | 117.99 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|----|----|-----|---|---|---|
| 15.267 | 44.3754 | 119.33 | . | Q | . | V | . | . | . |
| 15.283 | 44.5416 | 120.67 | . | Q | . | V | . | . | . |
| 15.300 | 44.7097 | 122.01 | . | Q | . | V | . | . | . |
| 15.317 | 44.8792 | 123.04 | . | Q | . | V | . | . | . |
| 15.333 | 45.0495 | 123.65 | . | Q | . | V | . | . | . |
| 15.350 | 45.2206 | 124.25 | . | Q | . | V | . | . | . |
| 15.367 | 45.3926 | 124.86 | . | Q | . | V | . | . | . |
| 15.383 | 45.5654 | 125.46 | . | Q | . | V | . | . | . |
| 15.400 | 45.7391 | 126.06 | . | Q | . | V | . | . | . |
| 15.417 | 45.9135 | 126.67 | . | Q | . | V | . | . | . |
| 15.433 | 46.0888 | 127.27 | . | Q | . | V | . | . | . |
| 15.450 | 46.2650 | 127.88 | . | Q | . | V | . | . | . |
| 15.467 | 46.4420 | 128.48 | . | Q | . | V | . | . | . |
| 15.483 | 46.6198 | 129.09 | . | Q | . | V | . | . | . |
| 15.500 | 46.7984 | 129.69 | . | Q | . | V | . | . | . |
| 15.517 | 46.9779 | 130.30 | . | Q | . | V | . | . | . |
| 15.533 | 47.1582 | 130.90 | . | Q | . | V | . | . | . |
| 15.550 | 47.3413 | 132.94 | . | Q | . | V | . | . | . |
| 15.567 | 47.5297 | 136.79 | . | Q | . | V | . | . | . |
| 15.583 | 47.7234 | 140.65 | . | Q | . | V | . | . | . |
| 15.600 | 47.9225 | 144.51 | . | Q | . | V | . | . | . |
| 15.617 | 48.1268 | 148.36 | . | Q | . | V | . | . | . |
| 15.633 | 48.3365 | 152.22 | . | Q | . | V | . | . | . |
| 15.650 | 48.5515 | 156.08 | . | Q | . | V | . | . | . |
| 15.667 | 48.7718 | 159.93 | . | Q | . | V | . | . | . |
| 15.683 | 48.9974 | 163.79 | . | Q | . | V | . | . | . |
| 15.700 | 49.2283 | 167.65 | . | Q | . | V | . | . | . |
| 15.717 | 49.4645 | 171.50 | . | Q | . | V | . | . | . |
| 15.733 | 49.7061 | 175.36 | . | Q | . | V | . | . | . |
| 15.750 | 49.9529 | 179.22 | . | Q | . | V | . | . | . |
| 15.767 | 50.2051 | 183.07 | . | Q | . | V | . | . | . |
| 15.783 | 50.4648 | 188.56 | . | Q | . | V | . | . | . |
| 15.800 | 50.7346 | 195.89 | . | Q | . | V | . | . | . |
| 15.817 | 51.0146 | 203.22 | . | Q | . | V | . | . | . |
| 15.833 | 51.3046 | 210.56 | . | Q | . | V | . | . | . |
| 15.850 | 51.6047 | 217.89 | . | Q | . | V | . | . | . |
| 15.867 | 51.9149 | 225.22 | . | Q | . | V | . | . | . |
| 15.883 | 52.2352 | 232.55 | . | Q | . | V | . | . | . |
| 15.900 | 52.5656 | 239.88 | . | Q | . | V | . | . | . |
| 15.917 | 52.9062 | 247.21 | . | Q | . | V | . | . | . |
| 15.933 | 53.2568 | 254.54 | . | Q | . | V | . | . | . |
| 15.950 | 53.6175 | 261.87 | . | Q | . | .V | . | . | . |
| 15.967 | 53.9883 | 269.20 | . | .Q | . | .V | . | . | . |
| 15.983 | 54.3692 | 276.54 | . | .Q | . | .V | . | . | . |
| 16.000 | 54.7602 | 283.87 | . | .Q | . | .V | . | . | . |
| 16.017 | 55.1899 | 312.01 | . | .Q | . | .V | . | . | . |
| 16.033 | 55.6871 | 360.95 | . | . | Q | .V | . | . | . |
| 16.050 | 56.2517 | 409.90 | . | . | Q | .V | . | . | . |
| 16.067 | 56.8838 | 458.85 | . | . | Q | .V | . | . | . |
| 16.083 | 57.5832 | 507.81 | . | . | Q | .V | . | . | . |
| 16.100 | 58.3501 | 556.75 | . | . | .Q | . | . | . | . |
| 16.117 | 59.1844 | 605.70 | . | . | . | .VQ | . | . | . |
| 16.133 | 60.0861 | 654.65 | . | . | . | .V | Q | . | . |
| 16.150 | 61.0553 | 703.60 | . | . | . | .V | Q | . | . |
| 16.167 | 62.0918 | 752.55 | . | . | . | .V | Q | . | . |
| 16.183 | 63.1958 | 801.50 | . | . | . | .V | Q | . | . |
| 16.200 | 64.3672 | 850.45 | . | . | . | .V | Q | . | . |
| 16.217 | 65.6061 | 899.40 | . | . | . | .V | Q | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|----|----|----|---|
| 16.233 | 66.9440 | 971.35 | . | . | . | . | V | . | Q |
| 16.250 | 68.2384 | 939.73 | . | . | . | . | V | . | Q |
| 16.267 | 69.4507 | 880.10 | . | . | . | . | V | . | Q |
| 16.283 | 70.5808 | 820.46 | . | . | . | . | V | . | Q |
| 16.300 | 71.6287 | 760.82 | . | . | . | . | V | .Q | . |
| 16.317 | 72.5946 | 701.19 | . | . | . | . | Q | . | . |
| 16.333 | 73.4782 | 641.55 | . | . | . | . | Q | V | . |
| 16.350 | 74.2798 | 581.91 | . | . | . | . | Q | V | . |
| 16.367 | 74.9992 | 522.27 | . | . | . | . | Q | V | . |
| 16.383 | 75.6364 | 462.64 | . | . | . | Q. | V | . | . |
| 16.400 | 76.1915 | 403.00 | . | . | . | Q | V | . | . |
| 16.417 | 76.6644 | 343.36 | . | . | . | Q | V | . | . |
| 16.433 | 77.0553 | 283.73 | . | . | . | Q | V | . | . |
| 16.450 | 77.3639 | 224.09 | . | . | . | Q | V | . | . |
| 16.467 | 77.5906 | 164.55 | . | . | Q | . | V | . | . |
| 16.483 | 77.7795 | 137.18 | . | . | Q | . | V | . | . |
| 16.500 | 77.9659 | 135.32 | . | . | Q | . | V | . | . |
| 16.517 | 78.1498 | 133.47 | . | . | Q | . | V | . | . |
| 16.533 | 78.3310 | 131.62 | . | . | Q | . | V | . | . |
| 16.550 | 78.5098 | 129.76 | . | . | Q | . | V | . | . |
| 16.567 | 78.6860 | 127.91 | . | . | Q | . | V | . | . |
| 16.583 | 78.8596 | 126.06 | . | . | Q | . | V | . | . |
| 16.600 | 79.0307 | 124.21 | . | . | Q | . | V | . | . |
| 16.617 | 79.1992 | 122.35 | . | . | Q | . | .V | . | . |
| 16.633 | 79.3652 | 120.50 | . | . | Q | . | .V | . | . |
| 16.650 | 79.5286 | 118.65 | . | . | Q | . | .V | . | . |
| 16.667 | 79.6895 | 116.80 | . | . | Q | . | .V | . | . |
| 16.683 | 79.8478 | 114.94 | . | . | Q | . | .V | . | . |
| 16.700 | 80.0036 | 113.09 | . | . | Q | . | .V | . | . |
| 16.717 | 80.1571 | 111.46 | . | . | Q | . | .V | . | . |
| 16.733 | 80.3086 | 109.99 | . | . | Q | . | .V | . | . |
| 16.750 | 80.4581 | 108.52 | . | . | Q | . | .V | . | . |
| 16.767 | 80.6056 | 107.05 | . | . | Q | . | .V | . | . |
| 16.783 | 80.7510 | 105.58 | . | . | Q | . | .V | . | . |
| 16.800 | 80.8944 | 104.11 | . | . | Q | . | .V | . | . |
| 16.817 | 81.0358 | 102.64 | . | . | Q | . | .V | . | . |
| 16.833 | 81.1751 | 101.17 | . | . | Q | . | .V | . | . |
| 16.850 | 81.3125 | 99.70 | . | . | Q | . | .V | . | . |
| 16.867 | 81.4478 | 98.23 | . | . | Q | . | .V | . | . |
| 16.883 | 81.5810 | 96.76 | . | . | Q | . | .V | . | . |
| 16.900 | 81.7123 | 95.29 | . | . | Q | . | .V | . | . |
| 16.917 | 81.8415 | 93.81 | . | . | Q | . | .V | . | . |
| 16.933 | 81.9687 | 92.35 | . | . | Q | . | .V | . | . |
| 16.950 | 82.0944 | 91.23 | . | . | Q | . | .V | . | . |
| 16.967 | 82.2188 | 90.34 | . | . | Q | . | .V | . | . |
| 16.983 | 82.3420 | 89.45 | . | . | Q | . | .V | . | . |
| 17.000 | 82.4640 | 88.55 | . | . | Q | . | .V | . | . |
| 17.017 | 82.5847 | 87.66 | . | . | Q | . | .V | . | . |
| 17.033 | 82.7042 | 86.77 | . | . | Q | . | .V | . | . |
| 17.050 | 82.8225 | 85.88 | . | . | Q | . | .V | . | . |
| 17.067 | 82.9396 | 84.98 | . | . | Q | . | .V | . | . |
| 17.083 | 83.0554 | 84.09 | . | . | Q | . | .V | . | . |
| 17.100 | 83.1700 | 83.20 | . | . | Q | . | .V | . | . |
| 17.117 | 83.2834 | 82.30 | . | . | Q | . | .V | . | . |
| 17.133 | 83.3955 | 81.41 | . | . | Q | . | .V | . | . |
| 17.150 | 83.5064 | 80.52 | . | . | Q | . | .V | . | . |
| 17.167 | 83.6161 | 79.63 | . | . | Q | . | .V | . | . |
| 17.183 | 83.7248 | 78.91 | . | . | Q | . | .V | . | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 83.8326 | 78.30 | . Q | . | . | . V | . |
| 17.217 | 83.9396 | 77.68 | . Q | . | . | . V | . |
| 17.233 | 84.0458 | 77.06 | . Q | . | . | . V | . |
| 17.250 | 84.1511 | 76.45 | . Q | . | . | . V | . |
| 17.267 | 84.2555 | 75.83 | . Q | . | . | . V | . |
| 17.283 | 84.3591 | 75.21 | . Q | . | . | . V | . |
| 17.300 | 84.4619 | 74.60 | . Q | . | . | . V | . |
| 17.317 | 84.5638 | 73.98 | . Q | . | . | . V | . |
| 17.333 | 84.6648 | 73.36 | . Q | . | . | . V | . |
| 17.350 | 84.7650 | 72.75 | . Q | . | . | . V | . |
| 17.367 | 84.8644 | 72.13 | . Q | . | . | . V | . |
| 17.383 | 84.9629 | 71.51 | . Q | . | . | . V | . |
| 17.400 | 85.0605 | 70.90 | . Q | . | . | . V | . |
| 17.417 | 85.1575 | 70.39 | . Q | . | . | . V | . |
| 17.433 | 85.2538 | 69.93 | . Q | . | . | . V | . |
| 17.450 | 85.3495 | 69.48 | . Q | . | . | . V | . |
| 17.467 | 85.4446 | 69.03 | . Q | . | . | . V | . |
| 17.483 | 85.5391 | 68.57 | . Q | . | . | . V | . |
| 17.500 | 85.6329 | 68.12 | . Q | . | . | . V | . |
| 17.517 | 85.7261 | 67.66 | . Q | . | . | . V | . |
| 17.533 | 85.8187 | 67.21 | . Q | . | . | . V | . |
| 17.550 | 85.9106 | 66.75 | . Q | . | . | . V | . |
| 17.567 | 86.0019 | 66.30 | . Q | . | . | . V | . |
| 17.583 | 86.0926 | 65.84 | . Q | . | . | . V | . |
| 17.600 | 86.1827 | 65.39 | . Q | . | . | . V | . |
| 17.617 | 86.2721 | 64.94 | . Q | . | . | . V | . |
| 17.633 | 86.3610 | 64.48 | . Q | . | . | . V | . |
| 17.650 | 86.4492 | 64.10 | . Q | . | . | . V | . |
| 17.667 | 86.5370 | 63.74 | . Q | . | . | . V | . |
| 17.683 | 86.6244 | 63.39 | . Q | . | . | . V | . |
| 17.700 | 86.7112 | 63.04 | . Q | . | . | . V | . |
| 17.717 | 86.7975 | 62.68 | . Q | . | . | . V | . |
| 17.733 | 86.8834 | 62.33 | . Q | . | . | . V | . |
| 17.750 | 86.9688 | 61.98 | . Q | . | . | . V | . |
| 17.767 | 87.0536 | 61.62 | . Q | . | . | . V | . |
| 17.783 | 87.1380 | 61.27 | . Q | . | . | . V | . |
| 17.800 | 87.2219 | 60.91 | . Q | . | . | . V | . |
| 17.817 | 87.3054 | 60.56 | . Q | . | . | . V | . |
| 17.833 | 87.3883 | 60.21 | . Q | . | . | . V | . |
| 17.850 | 87.4707 | 59.85 | . Q | . | . | . V | . |
| 17.867 | 87.5527 | 59.50 | . Q | . | . | . V | . |
| 17.883 | 87.6342 | 59.20 | . Q | . | . | . V | . |
| 17.900 | 87.7154 | 58.91 | . Q | . | . | . V | . |
| 17.917 | 87.7961 | 58.63 | . Q | . | . | . V | . |
| 17.933 | 87.8765 | 58.34 | . Q | . | . | . V | . |
| 17.950 | 87.9564 | 58.06 | . Q | . | . | . V | . |
| 17.967 | 88.0360 | 57.77 | . Q | . | . | . V | . |
| 17.983 | 88.1152 | 57.48 | . Q | . | . | . V | . |
| 18.000 | 88.1940 | 57.20 | . Q | . | . | . V | . |
| 18.017 | 88.2724 | 56.91 | . Q | . | . | . V | . |
| 18.033 | 88.3504 | 56.63 | . Q | . | . | . V | . |
| 18.050 | 88.4280 | 56.34 | . Q | . | . | . V | . |
| 18.067 | 88.5052 | 56.06 | . Q | . | . | . V | . |
| 18.083 | 88.5820 | 55.77 | . Q | . | . | . V | . |
| 18.100 | 88.6584 | 55.46 | . Q | . | . | . V | . |
| 18.117 | 88.7337 | 54.63 | . Q | . | . | . V | . |
| 18.133 | 88.8075 | 53.60 | . Q | . | . | . V | . |
| 18.150 | 88.8799 | 52.57 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 88.9509 | 51.54 | . Q | . | . | . V | . |
| 18.183 | 89.0205 | 50.51 | . Q | . | . | . V | . |
| 18.200 | 89.0886 | 49.48 | . Q | . | . | . V | . |
| 18.217 | 89.1553 | 48.45 | . Q | . | . | . V | . |
| 18.233 | 89.2206 | 47.42 | . Q | . | . | . V | . |
| 18.250 | 89.2845 | 46.39 | . Q | . | . | . V | . |
| 18.267 | 89.3470 | 45.36 | . Q | . | . | . V | . |
| 18.283 | 89.4081 | 44.32 | . Q | . | . | . V | . |
| 18.300 | 89.4677 | 43.29 | . Q | . | . | . V | . |
| 18.317 | 89.5259 | 42.26 | . Q | . | . | . V | . |
| 18.333 | 89.5827 | 41.27 | . Q | . | . | . V | . |
| 18.350 | 89.6391 | 40.88 | . Q | . | . | . V | . |
| 18.367 | 89.6951 | 40.69 | . Q | . | . | . V | . |
| 18.383 | 89.7509 | 40.51 | . Q | . | . | . V | . |
| 18.400 | 89.8064 | 40.32 | . Q | . | . | . V | . |
| 18.417 | 89.8617 | 40.14 | . Q | . | . | . V | . |
| 18.433 | 89.9168 | 39.95 | . Q | . | . | . V | . |
| 18.450 | 89.9715 | 39.77 | . Q | . | . | . V | . |
| 18.467 | 90.0261 | 39.58 | . Q | . | . | . V | . |
| 18.483 | 90.0803 | 39.40 | . Q | . | . | . V | . |
| 18.500 | 90.1343 | 39.21 | . Q | . | . | . V | . |
| 18.517 | 90.1881 | 39.03 | . Q | . | . | . V | . |
| 18.533 | 90.2416 | 38.84 | . Q | . | . | . V | . |
| 18.550 | 90.2948 | 38.66 | . Q | . | . | . V | . |
| 18.567 | 90.3478 | 38.47 | . Q | . | . | . V | . |
| 18.583 | 90.4006 | 38.31 | . Q | . | . | . V | . |
| 18.600 | 90.4532 | 38.15 | . Q | . | . | . V | . |
| 18.617 | 90.5055 | 37.99 | . Q | . | . | . V | . |
| 18.633 | 90.5576 | 37.84 | . Q | . | . | . V | . |
| 18.650 | 90.6095 | 37.68 | . Q | . | . | . V | . |
| 18.667 | 90.6612 | 37.52 | . Q | . | . | . V | . |
| 18.683 | 90.7127 | 37.36 | . Q | . | . | . V | . |
| 18.700 | 90.7639 | 37.21 | . Q | . | . | . V | . |
| 18.717 | 90.8149 | 37.05 | . Q | . | . | . V | . |
| 18.733 | 90.8657 | 36.89 | . Q | . | . | . V | . |
| 18.750 | 90.9163 | 36.73 | . Q | . | . | . V | . |
| 18.767 | 90.9667 | 36.58 | . Q | . | . | . V | . |
| 18.783 | 91.0169 | 36.42 | . Q | . | . | . V | . |
| 18.800 | 91.0668 | 36.26 | . Q | . | . | . V | . |
| 18.817 | 91.1166 | 36.12 | . Q | . | . | . V | . |
| 18.833 | 91.1662 | 35.98 | . Q | . | . | . V | . |
| 18.850 | 91.2155 | 35.85 | . Q | . | . | . V | . |
| 18.867 | 91.2647 | 35.71 | . Q | . | . | . V | . |
| 18.883 | 91.3137 | 35.58 | . Q | . | . | . V | . |
| 18.900 | 91.3625 | 35.44 | . Q | . | . | . V | . |
| 18.917 | 91.4112 | 35.30 | . Q | . | . | . V | . |
| 18.933 | 91.4596 | 35.17 | . Q | . | . | . V | . |
| 18.950 | 91.5079 | 35.03 | . Q | . | . | . V | . |
| 18.967 | 91.5559 | 34.89 | . Q | . | . | . V | . |
| 18.983 | 91.6038 | 34.76 | . Q | . | . | . V | . |
| 19.000 | 91.6515 | 34.62 | . Q | . | . | . V | . |
| 19.017 | 91.6990 | 34.49 | . Q | . | . | . V | . |
| 19.033 | 91.7463 | 34.35 | . Q | . | . | . V | . |
| 19.050 | 91.7934 | 34.23 | . Q | . | . | . V | . |
| 19.067 | 91.8404 | 34.11 | . Q | . | . | . V | . |
| 19.083 | 91.8873 | 33.99 | . Q | . | . | . V | . |
| 19.100 | 91.9339 | 33.87 | . Q | . | . | . V | . |
| 19.117 | 91.9804 | 33.75 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 92.0267 | 33.63 | .Q | . | . | . | V | . |
| 19.150 | 92.0729 | 33.51 | .Q | . | . | . | V | . |
| 19.167 | 92.1189 | 33.39 | .Q | . | . | . | V | . |
| 19.183 | 92.1647 | 33.28 | .Q | . | . | . | V | . |
| 19.200 | 92.2104 | 33.16 | .Q | . | . | . | V | . |
| 19.217 | 92.2559 | 33.04 | .Q | . | . | . | V | . |
| 19.233 | 92.3012 | 32.92 | .Q | . | . | . | V | . |
| 19.250 | 92.3464 | 32.80 | .Q | . | . | . | V | . |
| 19.267 | 92.3914 | 32.68 | .Q | . | . | . | V | . |
| 19.283 | 92.4363 | 32.57 | .Q | . | . | . | V | . |
| 19.300 | 92.4810 | 32.47 | .Q | . | . | . | V | . |
| 19.317 | 92.5256 | 32.36 | .Q | . | . | . | V | . |
| 19.333 | 92.5700 | 32.26 | .Q | . | . | . | V | . |
| 19.350 | 92.6143 | 32.15 | .Q | . | . | . | V | . |
| 19.367 | 92.6585 | 32.05 | .Q | . | . | . | V | . |
| 19.383 | 92.7025 | 31.94 | .Q | . | . | . | V | . |
| 19.400 | 92.7463 | 31.84 | .Q | . | . | . | V | . |
| 19.417 | 92.7900 | 31.73 | .Q | . | . | . | V | . |
| 19.433 | 92.8336 | 31.63 | .Q | . | . | . | V | . |
| 19.450 | 92.8770 | 31.52 | .Q | . | . | . | V | . |
| 19.467 | 92.9203 | 31.42 | .Q | . | . | . | V | . |
| 19.483 | 92.9634 | 31.31 | .Q | . | . | . | V | . |
| 19.500 | 93.0064 | 31.21 | .Q | . | . | . | V | . |
| 19.517 | 93.0493 | 31.11 | .Q | . | . | . | V | . |
| 19.533 | 93.0920 | 31.02 | .Q | . | . | . | V | . |
| 19.550 | 93.1346 | 30.92 | .Q | . | . | . | V | . |
| 19.567 | 93.1770 | 30.83 | .Q | . | . | . | V | . |
| 19.583 | 93.2194 | 30.74 | .Q | . | . | . | V | . |
| 19.600 | 93.2616 | 30.64 | .Q | . | . | . | V | . |
| 19.617 | 93.3037 | 30.55 | .Q | . | . | . | V | . |
| 19.633 | 93.3456 | 30.46 | .Q | . | . | . | V | . |
| 19.650 | 93.3874 | 30.36 | .Q | . | . | . | V | . |
| 19.667 | 93.4291 | 30.27 | .Q | . | . | . | V | . |
| 19.683 | 93.4707 | 30.17 | .Q | . | . | . | V | . |
| 19.700 | 93.5121 | 30.08 | .Q | . | . | . | V | . |
| 19.717 | 93.5534 | 29.99 | .Q | . | . | . | V | . |
| 19.733 | 93.5946 | 29.89 | .Q | . | . | . | V | . |
| 19.750 | 93.6357 | 29.81 | .Q | . | . | . | V | . |
| 19.767 | 93.6766 | 29.72 | .Q | . | . | . | V | . |
| 19.783 | 93.7174 | 29.64 | .Q | . | . | . | V | . |
| 19.800 | 93.7581 | 29.56 | .Q | . | . | . | V | . |
| 19.817 | 93.7987 | 29.47 | .Q | . | . | . | V | . |
| 19.833 | 93.8392 | 29.39 | .Q | . | . | . | V | . |
| 19.850 | 93.8796 | 29.30 | .Q | . | . | . | V | . |
| 19.867 | 93.9198 | 29.22 | .Q | . | . | . | V | . |
| 19.883 | 93.9599 | 29.13 | .Q | . | . | . | V | . |
| 19.900 | 94.0000 | 29.05 | .Q | . | . | . | V | . |
| 19.917 | 94.0398 | 28.97 | .Q | . | . | . | V | . |
| 19.933 | 94.0796 | 28.88 | .Q | . | . | . | V | . |
| 19.950 | 94.1193 | 28.80 | .Q | . | . | . | V | . |
| 19.967 | 94.1588 | 28.71 | .Q | . | . | . | V | . |
| 19.983 | 94.1983 | 28.64 | .Q | . | . | . | V | . |
| 20.000 | 94.2376 | 28.56 | .Q | . | . | . | V | . |
| 20.017 | 94.2769 | 28.48 | .Q | . | . | . | V | . |
| 20.033 | 94.3160 | 28.41 | .Q | . | . | . | V | . |
| 20.050 | 94.3550 | 28.33 | .Q | . | . | . | V | . |
| 20.067 | 94.3939 | 28.26 | .Q | . | . | . | V | . |
| 20.083 | 94.4328 | 28.18 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 20.100 | 94.4715 | 28.10 | .Q | . | . | . | V | . |
| 20.117 | 94.5101 | 28.03 | .Q | . | . | . | V | . |
| 20.133 | 94.5486 | 27.95 | .Q | . | . | . | V | . |
| 20.150 | 94.5870 | 27.88 | .Q | . | . | . | V | . |
| 20.167 | 94.6253 | 27.80 | .Q | . | . | . | V | . |
| 20.183 | 94.6634 | 27.72 | .Q | . | . | . | V | . |
| 20.200 | 94.7015 | 27.65 | .Q | . | . | . | V | . |
| 20.217 | 94.7395 | 27.58 | .Q | . | . | . | V | . |
| 20.233 | 94.7774 | 27.51 | .Q | . | . | . | V | . |
| 20.250 | 94.8152 | 27.44 | .Q | . | . | . | V | . |
| 20.267 | 94.8529 | 27.37 | .Q | . | . | . | V | . |
| 20.283 | 94.8905 | 27.30 | .Q | . | . | . | V | . |
| 20.300 | 94.9280 | 27.23 | .Q | . | . | . | V | . |
| 20.317 | 94.9654 | 27.16 | .Q | . | . | . | V | . |
| 20.333 | 95.0027 | 27.09 | .Q | . | . | . | V | . |
| 20.350 | 95.0400 | 27.02 | .Q | . | . | . | V | . |
| 20.367 | 95.0771 | 26.96 | .Q | . | . | . | V | . |
| 20.383 | 95.1141 | 26.89 | .Q | . | . | . | V | . |
| 20.400 | 95.1511 | 26.82 | .Q | . | . | . | V | . |
| 20.417 | 95.1879 | 26.75 | .Q | . | . | . | V | . |
| 20.433 | 95.2247 | 26.68 | .Q | . | . | . | V | . |
| 20.450 | 95.2613 | 26.62 | .Q | . | . | . | V | . |
| 20.467 | 95.2979 | 26.55 | .Q | . | . | . | V | . |
| 20.483 | 95.3344 | 26.49 | .Q | . | . | . | V | . |
| 20.500 | 95.3708 | 26.43 | .Q | . | . | . | V | . |
| 20.517 | 95.4071 | 26.36 | .Q | . | . | . | V | . |
| 20.533 | 95.4433 | 26.30 | .Q | . | . | . | V | . |
| 20.550 | 95.4795 | 26.24 | .Q | . | . | . | V | . |
| 20.567 | 95.5155 | 26.17 | .Q | . | . | . | V | . |
| 20.583 | 95.5515 | 26.11 | .Q | . | . | . | V | . |
| 20.600 | 95.5873 | 26.05 | .Q | . | . | . | V | . |
| 20.617 | 95.6231 | 25.98 | .Q | . | . | . | V | . |
| 20.633 | 95.6588 | 25.92 | .Q | . | . | . | V | . |
| 20.650 | 95.6944 | 25.86 | .Q | . | . | . | V | . |
| 20.667 | 95.7300 | 25.79 | .Q | . | . | . | V | . |
| 20.683 | 95.7654 | 25.73 | .Q | . | . | . | V | . |
| 20.700 | 95.8008 | 25.68 | .Q | . | . | . | V | . |
| 20.717 | 95.8361 | 25.62 | .Q | . | . | . | V | . |
| 20.733 | 95.8713 | 25.56 | .Q | . | . | . | V | . |
| 20.750 | 95.9064 | 25.50 | .Q | . | . | . | V | . |
| 20.767 | 95.9415 | 25.44 | .Q | . | . | . | V | . |
| 20.783 | 95.9764 | 25.39 | .Q | . | . | . | V | . |
| 20.800 | 96.0113 | 25.33 | .Q | . | . | . | V | . |
| 20.817 | 96.0461 | 25.27 | .Q | . | . | . | V | . |
| 20.833 | 96.0808 | 25.21 | .Q | . | . | . | V | . |
| 20.850 | 96.1155 | 25.15 | .Q | . | . | . | V | . |
| 20.867 | 96.1501 | 25.09 | .Q | . | . | . | V | . |
| 20.883 | 96.1845 | 25.04 | .Q | . | . | . | V | . |
| 20.900 | 96.2190 | 24.98 | .Q | . | . | . | V | . |
| 20.917 | 96.2533 | 24.93 | .Q | . | . | . | V | . |
| 20.933 | 96.2875 | 24.87 | .Q | . | . | . | V | . |
| 20.950 | 96.3217 | 24.82 | .Q | . | . | . | V | . |
| 20.967 | 96.3558 | 24.76 | .Q | . | . | . | V | . |
| 20.983 | 96.3899 | 24.71 | .Q | . | . | . | V | . |
| 21.000 | 96.4238 | 24.66 | .Q | . | . | . | V | . |
| 21.017 | 96.4577 | 24.60 | .Q | . | . | . | V | . |
| 21.033 | 96.4915 | 24.55 | .Q | . | . | . | V | . |
| 21.050 | 96.5253 | 24.50 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 21.067 | 96.5590 | 24.44 | .Q | . | . | . | V | . |
| 21.083 | 96.5926 | 24.39 | .Q | . | . | . | V | . |
| 21.100 | 96.6261 | 24.34 | .Q | . | . | . | V | . |
| 21.117 | 96.6595 | 24.28 | Q | . | . | . | V | . |
| 21.133 | 96.6929 | 24.23 | Q | . | . | . | V | . |
| 21.150 | 96.7262 | 24.18 | Q | . | . | . | V | . |
| 21.167 | 96.7594 | 24.13 | Q | . | . | . | V | . |
| 21.183 | 96.7926 | 24.08 | Q | . | . | . | V | . |
| 21.200 | 96.8257 | 24.03 | Q | . | . | . | V | . |
| 21.217 | 96.8587 | 23.98 | Q | . | . | . | V | . |
| 21.233 | 96.8917 | 23.93 | Q | . | . | . | V | . |
| 21.250 | 96.9246 | 23.88 | Q | . | . | . | V | . |
| 21.267 | 96.9574 | 23.83 | Q | . | . | . | V | . |
| 21.283 | 96.9902 | 23.78 | Q | . | . | . | V | . |
| 21.300 | 97.0229 | 23.73 | Q | . | . | . | V | . |
| 21.317 | 97.0555 | 23.68 | Q | . | . | . | V | . |
| 21.333 | 97.0881 | 23.63 | Q | . | . | . | V | . |
| 21.350 | 97.1206 | 23.58 | Q | . | . | . | V | . |
| 21.367 | 97.1530 | 23.53 | Q | . | . | . | V | . |
| 21.383 | 97.1853 | 23.49 | Q | . | . | . | V | . |
| 21.400 | 97.2176 | 23.44 | Q | . | . | . | V | . |
| 21.417 | 97.2498 | 23.40 | Q | . | . | . | V | . |
| 21.433 | 97.2820 | 23.35 | Q | . | . | . | V | . |
| 21.450 | 97.3141 | 23.30 | Q | . | . | . | V | . |
| 21.467 | 97.3461 | 23.26 | Q | . | . | . | V | . |
| 21.483 | 97.3781 | 23.21 | Q | . | . | . | V | . |
| 21.500 | 97.4100 | 23.17 | Q | . | . | . | V | . |
| 21.517 | 97.4419 | 23.12 | Q | . | . | . | V | . |
| 21.533 | 97.4736 | 23.07 | Q | . | . | . | V | . |
| 21.550 | 97.5054 | 23.03 | Q | . | . | . | V | . |
| 21.567 | 97.5370 | 22.98 | Q | . | . | . | V | . |
| 21.583 | 97.5686 | 22.94 | Q | . | . | . | V | . |
| 21.600 | 97.6001 | 22.89 | Q | . | . | . | V | . |
| 21.617 | 97.6316 | 22.85 | Q | . | . | . | V | . |
| 21.633 | 97.6630 | 22.80 | Q | . | . | . | V | . |
| 21.650 | 97.6944 | 22.76 | Q | . | . | . | V | . |
| 21.667 | 97.7257 | 22.72 | Q | . | . | . | V | . |
| 21.683 | 97.7569 | 22.68 | Q | . | . | . | V | . |
| 21.700 | 97.7881 | 22.63 | Q | . | . | . | V | . |
| 21.717 | 97.8192 | 22.59 | Q | . | . | . | V | . |
| 21.733 | 97.8503 | 22.55 | Q | . | . | . | V | . |
| 21.750 | 97.8812 | 22.50 | Q | . | . | . | V | . |
| 21.767 | 97.9122 | 22.46 | Q | . | . | . | V | . |
| 21.783 | 97.9431 | 22.42 | Q | . | . | . | V | . |
| 21.800 | 97.9739 | 22.37 | Q | . | . | . | V | . |
| 21.817 | 98.0046 | 22.33 | Q | . | . | . | V | . |
| 21.833 | 98.0353 | 22.29 | Q | . | . | . | V | . |
| 21.850 | 98.0660 | 22.25 | Q | . | . | . | V | . |
| 21.867 | 98.0966 | 22.21 | Q | . | . | . | V | . |
| 21.883 | 98.1271 | 22.17 | Q | . | . | . | V | . |
| 21.900 | 98.1576 | 22.13 | Q | . | . | . | V | . |
| 21.917 | 98.1880 | 22.09 | Q | . | . | . | V | . |
| 21.933 | 98.2184 | 22.05 | Q | . | . | . | V | . |
| 21.950 | 98.2487 | 22.01 | Q | . | . | . | V | . |
| 21.967 | 98.2790 | 21.97 | Q | . | . | . | V | . |
| 21.983 | 98.3092 | 21.93 | Q | . | . | . | V | . |
| 22.000 | 98.3393 | 21.89 | Q | . | . | . | V | . |
| 22.017 | 98.3694 | 21.85 | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|---|---|---|---|---|---|
| 22.033 | 98.3994 | 21.81 | Q | . | . | . | V | . |
| 22.050 | 98.4294 | 21.77 | Q | . | . | . | V | . |
| 22.067 | 98.4594 | 21.73 | Q | . | . | . | V | . |
| 22.083 | 98.4892 | 21.69 | Q | . | . | . | V | . |
| 22.100 | 98.5191 | 21.65 | Q | . | . | . | V | . |
| 22.117 | 98.5488 | 21.61 | Q | . | . | . | V | . |
| 22.133 | 98.5785 | 21.58 | Q | . | . | . | V | . |
| 22.150 | 98.6082 | 21.54 | Q | . | . | . | V | . |
| 22.167 | 98.6378 | 21.50 | Q | . | . | . | V | . |
| 22.183 | 98.6674 | 21.46 | Q | . | . | . | V | . |
| 22.200 | 98.6969 | 21.43 | Q | . | . | . | V | . |
| 22.217 | 98.7264 | 21.39 | Q | . | . | . | V | . |
| 22.233 | 98.7558 | 21.35 | Q | . | . | . | V | . |
| 22.250 | 98.7851 | 21.31 | Q | . | . | . | V | . |
| 22.267 | 98.8144 | 21.28 | Q | . | . | . | V | . |
| 22.283 | 98.8437 | 21.24 | Q | . | . | . | V | . |
| 22.300 | 98.8729 | 21.20 | Q | . | . | . | V | . |
| 22.317 | 98.9020 | 21.17 | Q | . | . | . | V | . |
| 22.333 | 98.9312 | 21.13 | Q | . | . | . | V | . |
| 22.350 | 98.9602 | 21.09 | Q | . | . | . | V | . |
| 22.367 | 98.9892 | 21.06 | Q | . | . | . | V | . |
| 22.383 | 99.0182 | 21.02 | Q | . | . | . | V | . |
| 22.400 | 99.0471 | 20.99 | Q | . | . | . | V | . |
| 22.417 | 99.0759 | 20.95 | Q | . | . | . | V | . |
| 22.433 | 99.1048 | 20.92 | Q | . | . | . | V | . |
| 22.450 | 99.1335 | 20.88 | Q | . | . | . | V | . |
| 22.467 | 99.1622 | 20.85 | Q | . | . | . | V | . |
| 22.483 | 99.1909 | 20.81 | Q | . | . | . | V | . |
| 22.500 | 99.2195 | 20.78 | Q | . | . | . | V | . |
| 22.517 | 99.2481 | 20.74 | Q | . | . | . | V | . |
| 22.533 | 99.2766 | 20.71 | Q | . | . | . | V | . |
| 22.550 | 99.3051 | 20.67 | Q | . | . | . | V | . |
| 22.567 | 99.3335 | 20.64 | Q | . | . | . | V | . |
| 22.583 | 99.3619 | 20.61 | Q | . | . | . | V | . |
| 22.600 | 99.3902 | 20.57 | Q | . | . | . | V | . |
| 22.617 | 99.4185 | 20.54 | Q | . | . | . | V | . |
| 22.633 | 99.4467 | 20.51 | Q | . | . | . | V | . |
| 22.650 | 99.4749 | 20.47 | Q | . | . | . | V | . |
| 22.667 | 99.5031 | 20.44 | Q | . | . | . | V | . |
| 22.683 | 99.5312 | 20.41 | Q | . | . | . | V | . |
| 22.700 | 99.5593 | 20.37 | Q | . | . | . | V | . |
| 22.717 | 99.5873 | 20.34 | Q | . | . | . | V | . |
| 22.733 | 99.6152 | 20.31 | Q | . | . | . | V | . |
| 22.750 | 99.6432 | 20.27 | Q | . | . | . | V | . |
| 22.767 | 99.6711 | 20.24 | Q | . | . | . | V | . |
| 22.783 | 99.6989 | 20.21 | Q | . | . | . | V | . |
| 22.800 | 99.7267 | 20.18 | Q | . | . | . | V | . |
| 22.817 | 99.7544 | 20.14 | Q | . | . | . | V | . |
| 22.833 | 99.7821 | 20.11 | Q | . | . | . | V | . |
| 22.850 | 99.8098 | 20.08 | Q | . | . | . | V | . |
| 22.867 | 99.8374 | 20.05 | Q | . | . | . | V | . |
| 22.883 | 99.8650 | 20.02 | Q | . | . | . | V | . |
| 22.900 | 99.8925 | 19.99 | Q | . | . | . | V | . |
| 22.917 | 99.9200 | 19.96 | Q | . | . | . | V | . |
| 22.933 | 99.9474 | 19.93 | Q | . | . | . | V | . |
| 22.950 | 99.9749 | 19.89 | Q | . | . | . | V | . |
| 22.967 | 100.0022 | 19.86 | Q | . | . | . | V | . |
| 22.983 | 100.0295 | 19.83 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|----------|-------|---|---|---|---|----|
| 23.000 | 100.0568 | 19.80 | Q | . | . | . | V. |
| 23.017 | 100.0840 | 19.77 | Q | . | . | . | V. |
| 23.033 | 100.1112 | 19.74 | Q | . | . | . | V. |
| 23.050 | 100.1384 | 19.71 | Q | . | . | . | V. |
| 23.067 | 100.1655 | 19.68 | Q | . | . | . | V. |
| 23.083 | 100.1926 | 19.65 | Q | . | . | . | V. |
| 23.100 | 100.2196 | 19.62 | Q | . | . | . | V. |
| 23.117 | 100.2466 | 19.59 | Q | . | . | . | V. |
| 23.133 | 100.2735 | 19.56 | Q | . | . | . | V. |
| 23.150 | 100.3004 | 19.53 | Q | . | . | . | V. |
| 23.167 | 100.3273 | 19.50 | Q | . | . | . | V. |
| 23.183 | 100.3541 | 19.47 | Q | . | . | . | V. |
| 23.200 | 100.3809 | 19.44 | Q | . | . | . | V. |
| 23.217 | 100.4076 | 19.41 | Q | . | . | . | V. |
| 23.233 | 100.4343 | 19.38 | Q | . | . | . | V. |
| 23.250 | 100.4610 | 19.36 | Q | . | . | . | V. |
| 23.267 | 100.4876 | 19.33 | Q | . | . | . | V. |
| 23.283 | 100.5142 | 19.30 | Q | . | . | . | V. |
| 23.300 | 100.5407 | 19.27 | Q | . | . | . | V. |
| 23.317 | 100.5672 | 19.24 | Q | . | . | . | V. |
| 23.333 | 100.5937 | 19.21 | Q | . | . | . | V. |
| 23.350 | 100.6201 | 19.19 | Q | . | . | . | V. |
| 23.367 | 100.6465 | 19.16 | Q | . | . | . | V. |
| 23.383 | 100.6729 | 19.13 | Q | . | . | . | V. |
| 23.400 | 100.6992 | 19.10 | Q | . | . | . | V. |
| 23.417 | 100.7254 | 19.07 | Q | . | . | . | V. |
| 23.433 | 100.7517 | 19.05 | Q | . | . | . | V. |
| 23.450 | 100.7779 | 19.02 | Q | . | . | . | V. |
| 23.467 | 100.8040 | 18.99 | Q | . | . | . | V. |
| 23.483 | 100.8302 | 18.96 | Q | . | . | . | V. |
| 23.500 | 100.8562 | 18.94 | Q | . | . | . | V. |
| 23.517 | 100.8823 | 18.91 | Q | . | . | . | V. |
| 23.533 | 100.9083 | 18.88 | Q | . | . | . | V. |
| 23.550 | 100.9343 | 18.86 | Q | . | . | . | V. |
| 23.567 | 100.9602 | 18.83 | Q | . | . | . | V. |
| 23.583 | 100.9861 | 18.80 | Q | . | . | . | V. |
| 23.600 | 101.0120 | 18.78 | Q | . | . | . | V. |
| 23.617 | 101.0378 | 18.75 | Q | . | . | . | V. |
| 23.633 | 101.0636 | 18.72 | Q | . | . | . | V. |
| 23.650 | 101.0893 | 18.70 | Q | . | . | . | V. |
| 23.667 | 101.1150 | 18.67 | Q | . | . | . | V. |
| 23.683 | 101.1407 | 18.64 | Q | . | . | . | V. |
| 23.700 | 101.1664 | 18.62 | Q | . | . | . | V. |
| 23.717 | 101.1920 | 18.59 | Q | . | . | . | V. |
| 23.733 | 101.2175 | 18.56 | Q | . | . | . | V. |
| 23.750 | 101.2431 | 18.54 | Q | . | . | . | V. |
| 23.767 | 101.2686 | 18.51 | Q | . | . | . | V. |
| 23.783 | 101.2940 | 18.49 | Q | . | . | . | V. |
| 23.800 | 101.3195 | 18.46 | Q | . | . | . | V. |
| 23.817 | 101.3449 | 18.44 | Q | . | . | . | V. |
| 23.833 | 101.3702 | 18.41 | Q | . | . | . | V. |
| 23.850 | 101.3956 | 18.39 | Q | . | . | . | V. |
| 23.867 | 101.4209 | 18.36 | Q | . | . | . | V. |
| 23.883 | 101.4461 | 18.34 | Q | . | . | . | V. |
| 23.900 | 101.4713 | 18.31 | Q | . | . | . | V. |
| 23.917 | 101.4965 | 18.29 | Q | . | . | . | V. |
| 23.933 | 101.5217 | 18.26 | Q | . | . | . | V. |
| 23.950 | 101.5468 | 18.24 | Q | . | . | . | V. |

| | | | | | | | |
|--------|----------|-------|---|---|---|---|----|
| 23.967 | 101.5719 | 18.21 | Q | . | . | . | V. |
| 23.983 | 101.5969 | 18.19 | Q | . | . | . | V. |
| 24.000 | 101.6219 | 18.16 | 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% | 610.0 |
| 20% | 200.0 |
| 30% | 125.0 |
| 40% | 110.0 |
| 50% | 90.0 |
| 60% | 70.0 |
| 70% | 55.0 |
| 80% | 35.0 |
| 90% | 20.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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***** DESCRIPTION OF STUDY *****
* RMV PA-3 SUBAREA A *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 50-YR EV MARCH 2019 CCHIU *

FILE NAME: 3A50EVS.DAT
TIME/DATE OF STUDY: 09:32 03/29/2019

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 100.00 TO NODE 130.00 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) = 510.20
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.130
LOW LOSS FRACTION = 0.296
TIME OF CONCENTRATION (MIN.) = 13.75
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 15
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.37
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.80
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.06
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.78
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.47
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 117.22

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 57.95

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. | 271.5 | 543.0 | 814.6 | 1086.1 |
|------------|-------------|---------|----|-------|-------|-------|--------|
| 0.017 | 0.0013 | 0.91 | Q | . | . | . | . |
| 0.033 | 0.0050 | 2.74 | Q | . | . | . | . |
| 0.050 | 0.0113 | 4.56 | Q | . | . | . | . |
| 0.067 | 0.0201 | 6.39 | Q | . | . | . | . |
| 0.083 | 0.0314 | 8.21 | Q | . | . | . | . |
| 0.100 | 0.0452 | 10.04 | Q | . | . | . | . |
| 0.117 | 0.0616 | 11.86 | Q | . | . | . | . |
| 0.133 | 0.0804 | 13.68 | Q | . | . | . | . |
| 0.150 | 0.1018 | 15.51 | Q | . | . | . | . |
| 0.167 | 0.1257 | 17.33 | Q | . | . | . | . |
| 0.183 | 0.1521 | 19.16 | Q | . | . | . | . |
| 0.200 | 0.1803 | 20.47 | Q | . | . | . | . |
| 0.217 | 0.2085 | 20.54 | Q | . | . | . | . |
| 0.233 | 0.2368 | 20.54 | Q | . | . | . | . |
| 0.250 | 0.2651 | 20.55 | Q | . | . | . | . |
| 0.267 | 0.2935 | 20.56 | Q | . | . | . | . |
| 0.283 | 0.3218 | 20.57 | Q | . | . | . | . |
| 0.300 | 0.3501 | 20.58 | Q | . | . | . | . |
| 0.317 | 0.3785 | 20.58 | Q | . | . | . | . |
| 0.333 | 0.4069 | 20.59 | Q | . | . | . | . |
| 0.350 | 0.4352 | 20.60 | Q | . | . | . | . |
| 0.367 | 0.4636 | 20.61 | Q | . | . | . | . |
| 0.383 | 0.4920 | 20.61 | Q | . | . | . | . |
| 0.400 | 0.5204 | 20.62 | Q | . | . | . | . |
| 0.417 | 0.5488 | 20.63 | Q | . | . | . | . |
| 0.433 | 0.5773 | 20.64 | Q | . | . | . | . |
| 0.450 | 0.6057 | 20.66 | Q | . | . | . | . |
| 0.467 | 0.6342 | 20.68 | Q | . | . | . | . |
| 0.483 | 0.6627 | 20.70 | Q | . | . | . | . |
| 0.500 | 0.6912 | 20.72 | Q | . | . | . | . |
| 0.517 | 0.7198 | 20.74 | Q | . | . | . | . |
| 0.533 | 0.7484 | 20.75 | Q | . | . | . | . |
| 0.550 | 0.7770 | 20.77 | Q | . | . | . | . |
| 0.567 | 0.8056 | 20.79 | Q | . | . | . | . |
| 0.583 | 0.8343 | 20.81 | Q | . | . | . | . |
| 0.600 | 0.8630 | 20.83 | Q | . | . | . | . |
| 0.617 | 0.8917 | 20.85 | Q | . | . | . | . |
| 0.633 | 0.9205 | 20.87 | Q | . | . | . | . |
| 0.650 | 0.9492 | 20.88 | Q | . | . | . | . |
| 0.667 | 0.9780 | 20.90 | Q | . | . | . | . |
| 0.683 | 1.0068 | 20.91 | Q | . | . | . | . |
| 0.700 | 1.0356 | 20.92 | Q | . | . | . | . |
| 0.717 | 1.0644 | 20.93 | Q | . | . | . | . |
| 0.733 | 1.0933 | 20.93 | Q | . | . | . | . |
| 0.750 | 1.1221 | 20.94 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|---|---|---|---|---|
| 0.767 | 1.1510 | 20.95 | Q | . | . | . | . |
| 0.783 | 1.1799 | 20.96 | Q | . | . | . | . |
| 0.800 | 1.2087 | 20.97 | Q | . | . | . | . |
| 0.817 | 1.2376 | 20.98 | Q | . | . | . | . |
| 0.833 | 1.2666 | 20.99 | Q | . | . | . | . |
| 0.850 | 1.2955 | 21.00 | Q | . | . | . | . |
| 0.867 | 1.3244 | 21.01 | Q | . | . | . | . |
| 0.883 | 1.3534 | 21.02 | Q | . | . | . | . |
| 0.900 | 1.3824 | 21.04 | Q | . | . | . | . |
| 0.917 | 1.4114 | 21.06 | Q | . | . | . | . |
| 0.933 | 1.4404 | 21.08 | Q | . | . | . | . |
| 0.950 | 1.4695 | 21.10 | Q | . | . | . | . |
| 0.967 | 1.4986 | 21.12 | Q | . | . | . | . |
| 0.983 | 1.5277 | 21.14 | Q | . | . | . | . |
| 1.000 | 1.5568 | 21.16 | Q | . | . | . | . |
| 1.017 | 1.5860 | 21.18 | Q | . | . | . | . |
| 1.033 | 1.6152 | 21.20 | Q | . | . | . | . |
| 1.050 | 1.6444 | 21.22 | Q | . | . | . | . |
| 1.067 | 1.6736 | 21.23 | Q | . | . | . | . |
| 1.083 | 1.7029 | 21.25 | Q | . | . | . | . |
| 1.100 | 1.7322 | 21.27 | Q | . | . | . | . |
| 1.117 | 1.7615 | 21.29 | Q | . | . | . | . |
| 1.133 | 1.7909 | 21.30 | Q | . | . | . | . |
| 1.150 | 1.8202 | 21.31 | Q | . | . | . | . |
| 1.167 | 1.8496 | 21.32 | Q | . | . | . | . |
| 1.183 | 1.8790 | 21.33 | Q | . | . | . | . |
| 1.200 | 1.9084 | 21.34 | Q | . | . | . | . |
| 1.217 | 1.9378 | 21.35 | Q | . | . | . | . |
| 1.233 | 1.9672 | 21.36 | Q | . | . | . | . |
| 1.250 | 1.9967 | 21.37 | Q | . | . | . | . |
| 1.267 | 2.0261 | 21.38 | Q | . | . | . | . |
| 1.283 | 2.0556 | 21.39 | Q | . | . | . | . |
| 1.300 | 2.0851 | 21.40 | Q | . | . | . | . |
| 1.317 | 2.1145 | 21.41 | Q | . | . | . | . |
| 1.333 | 2.1441 | 21.42 | Q | . | . | . | . |
| 1.350 | 2.1736 | 21.44 | Q | . | . | . | . |
| 1.367 | 2.2031 | 21.46 | Q | . | . | . | . |
| 1.383 | 2.2327 | 21.48 | Q | . | . | . | . |
| 1.400 | 2.2623 | 21.50 | Q | . | . | . | . |
| 1.417 | 2.2920 | 21.52 | Q | . | . | . | . |
| 1.433 | 2.3216 | 21.54 | Q | . | . | . | . |
| 1.450 | 2.3513 | 21.56 | Q | . | . | . | . |
| 1.467 | 2.3811 | 21.58 | Q | . | . | . | . |
| 1.483 | 2.4108 | 21.60 | Q | . | . | . | . |
| 1.500 | 2.4406 | 21.62 | Q | . | . | . | . |
| 1.517 | 2.4704 | 21.64 | Q | . | . | . | . |
| 1.533 | 2.5002 | 21.66 | Q | . | . | . | . |
| 1.550 | 2.5301 | 21.68 | Q | . | . | . | . |
| 1.567 | 2.5600 | 21.70 | Q | . | . | . | . |
| 1.583 | 2.5899 | 21.72 | Q | . | . | . | . |
| 1.600 | 2.6198 | 21.73 | Q | . | . | . | . |
| 1.617 | 2.6498 | 21.74 | Q | . | . | . | . |
| 1.633 | 2.6797 | 21.75 | Q | . | . | . | . |
| 1.650 | 2.7097 | 21.76 | Q | . | . | . | . |
| 1.667 | 2.7397 | 21.77 | Q | . | . | . | . |
| 1.683 | 2.7697 | 21.78 | Q | . | . | . | . |
| 1.700 | 2.7997 | 21.79 | Q | . | . | . | . |
| 1.717 | 2.8297 | 21.80 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|----|---|---|---|---|
| 1.733 | 2.8598 | 21.81 | Q | . | . | . | . |
| 1.750 | 2.8898 | 21.82 | Q | . | . | . | . |
| 1.767 | 2.9199 | 21.83 | Q | . | . | . | . |
| 1.783 | 2.9500 | 21.84 | QV | . | . | . | . |
| 1.800 | 2.9801 | 21.85 | QV | . | . | . | . |
| 1.817 | 3.0102 | 21.87 | QV | . | . | . | . |
| 1.833 | 3.0404 | 21.90 | QV | . | . | . | . |
| 1.850 | 3.0706 | 21.92 | QV | . | . | . | . |
| 1.867 | 3.1008 | 21.94 | QV | . | . | . | . |
| 1.883 | 3.1310 | 21.96 | QV | . | . | . | . |
| 1.900 | 3.1613 | 21.98 | QV | . | . | . | . |
| 1.917 | 3.1916 | 22.00 | QV | . | . | . | . |
| 1.933 | 3.2220 | 22.03 | QV | . | . | . | . |
| 1.950 | 3.2523 | 22.05 | QV | . | . | . | . |
| 1.967 | 3.2827 | 22.07 | QV | . | . | . | . |
| 1.983 | 3.3131 | 22.09 | QV | . | . | . | . |
| 2.000 | 3.3436 | 22.11 | QV | . | . | . | . |
| 2.017 | 3.3741 | 22.13 | QV | . | . | . | . |
| 2.033 | 3.4046 | 22.15 | QV | . | . | . | . |
| 2.050 | 3.4351 | 22.16 | QV | . | . | . | . |
| 2.067 | 3.4657 | 22.17 | QV | . | . | . | . |
| 2.083 | 3.4962 | 22.19 | QV | . | . | . | . |
| 2.100 | 3.5268 | 22.20 | QV | . | . | . | . |
| 2.117 | 3.5574 | 22.21 | QV | . | . | . | . |
| 2.133 | 3.5880 | 22.22 | QV | . | . | . | . |
| 2.150 | 3.6186 | 22.23 | QV | . | . | . | . |
| 2.167 | 3.6493 | 22.24 | QV | . | . | . | . |
| 2.183 | 3.6799 | 22.25 | QV | . | . | . | . |
| 2.200 | 3.7106 | 22.26 | QV | . | . | . | . |
| 2.217 | 3.7413 | 22.27 | QV | . | . | . | . |
| 2.233 | 3.7720 | 22.29 | QV | . | . | . | . |
| 2.250 | 3.8027 | 22.30 | QV | . | . | . | . |
| 2.267 | 3.8334 | 22.31 | QV | . | . | . | . |
| 2.283 | 3.8642 | 22.34 | QV | . | . | . | . |
| 2.300 | 3.8950 | 22.36 | QV | . | . | . | . |
| 2.317 | 3.9258 | 22.38 | QV | . | . | . | . |
| 2.333 | 3.9567 | 22.40 | QV | . | . | . | . |
| 2.350 | 3.9875 | 22.43 | QV | . | . | . | . |
| 2.367 | 4.0185 | 22.45 | QV | . | . | . | . |
| 2.383 | 4.0494 | 22.47 | QV | . | . | . | . |
| 2.400 | 4.0804 | 22.50 | QV | . | . | . | . |
| 2.417 | 4.1114 | 22.52 | QV | . | . | . | . |
| 2.433 | 4.1425 | 22.54 | QV | . | . | . | . |
| 2.450 | 4.1736 | 22.56 | QV | . | . | . | . |
| 2.467 | 4.2047 | 22.59 | QV | . | . | . | . |
| 2.483 | 4.2358 | 22.61 | QV | . | . | . | . |
| 2.500 | 4.2670 | 22.62 | QV | . | . | . | . |
| 2.517 | 4.2982 | 22.64 | QV | . | . | . | . |
| 2.533 | 4.3293 | 22.65 | QV | . | . | . | . |
| 2.550 | 4.3606 | 22.66 | QV | . | . | . | . |
| 2.567 | 4.3918 | 22.67 | QV | . | . | . | . |
| 2.583 | 4.4230 | 22.68 | QV | . | . | . | . |
| 2.600 | 4.4543 | 22.69 | QV | . | . | . | . |
| 2.617 | 4.4856 | 22.71 | QV | . | . | . | . |
| 2.633 | 4.5169 | 22.72 | QV | . | . | . | . |
| 2.650 | 4.5482 | 22.73 | QV | . | . | . | . |
| 2.667 | 4.5795 | 22.74 | QV | . | . | . | . |
| 2.683 | 4.6108 | 22.75 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 2.700 | 4.6422 | 22.76 | QV | . | . | . | . |
| 2.717 | 4.6736 | 22.78 | QV | . | . | . | . |
| 2.733 | 4.7050 | 22.80 | QV | . | . | . | . |
| 2.750 | 4.7364 | 22.82 | QV | . | . | . | . |
| 2.767 | 4.7679 | 22.85 | QV | . | . | . | . |
| 2.783 | 4.7994 | 22.87 | QV | . | . | . | . |
| 2.800 | 4.8309 | 22.90 | QV | . | . | . | . |
| 2.817 | 4.8625 | 22.92 | QV | . | . | . | . |
| 2.833 | 4.8941 | 22.94 | QV | . | . | . | . |
| 2.850 | 4.9257 | 22.97 | QV | . | . | . | . |
| 2.867 | 4.9574 | 22.99 | QV | . | . | . | . |
| 2.883 | 4.9891 | 23.02 | QV | . | . | . | . |
| 2.900 | 5.0208 | 23.04 | QV | . | . | . | . |
| 2.917 | 5.0526 | 23.06 | QV | . | . | . | . |
| 2.933 | 5.0844 | 23.09 | QV | . | . | . | . |
| 2.950 | 5.1162 | 23.11 | QV | . | . | . | . |
| 2.967 | 5.1481 | 23.12 | QV | . | . | . | . |
| 2.983 | 5.1800 | 23.13 | QV | . | . | . | . |
| 3.000 | 5.2118 | 23.15 | QV | . | . | . | . |
| 3.017 | 5.2437 | 23.16 | QV | . | . | . | . |
| 3.033 | 5.2757 | 23.17 | QV | . | . | . | . |
| 3.050 | 5.3076 | 23.18 | QV | . | . | . | . |
| 3.067 | 5.3395 | 23.20 | QV | . | . | . | . |
| 3.083 | 5.3715 | 23.21 | QV | . | . | . | . |
| 3.100 | 5.4035 | 23.22 | QV | . | . | . | . |
| 3.117 | 5.4355 | 23.23 | QV | . | . | . | . |
| 3.133 | 5.4675 | 23.25 | QV | . | . | . | . |
| 3.150 | 5.4996 | 23.26 | QV | . | . | . | . |
| 3.167 | 5.5316 | 23.27 | QV | . | . | . | . |
| 3.183 | 5.5637 | 23.29 | QV | . | . | . | . |
| 3.200 | 5.5958 | 23.32 | QV | . | . | . | . |
| 3.217 | 5.6280 | 23.34 | QV | . | . | . | . |
| 3.233 | 5.6601 | 23.37 | QV | . | . | . | . |
| 3.250 | 5.6924 | 23.39 | QV | . | . | . | . |
| 3.267 | 5.7246 | 23.42 | QV | . | . | . | . |
| 3.283 | 5.7569 | 23.44 | QV | . | . | . | . |
| 3.300 | 5.7892 | 23.47 | QV | . | . | . | . |
| 3.317 | 5.8216 | 23.49 | QV | . | . | . | . |
| 3.333 | 5.8540 | 23.52 | QV | . | . | . | . |
| 3.350 | 5.8864 | 23.54 | Q V | . | . | . | . |
| 3.367 | 5.9189 | 23.57 | Q V | . | . | . | . |
| 3.383 | 5.9514 | 23.60 | Q V | . | . | . | . |
| 3.400 | 5.9839 | 23.62 | Q V | . | . | . | . |
| 3.417 | 6.0165 | 23.64 | Q V | . | . | . | . |
| 3.433 | 6.0491 | 23.65 | Q V | . | . | . | . |
| 3.450 | 6.0816 | 23.66 | Q V | . | . | . | . |
| 3.467 | 6.1143 | 23.68 | Q V | . | . | . | . |
| 3.483 | 6.1469 | 23.69 | Q V | . | . | . | . |
| 3.500 | 6.1795 | 23.70 | Q V | . | . | . | . |
| 3.517 | 6.2122 | 23.72 | Q V | . | . | . | . |
| 3.533 | 6.2449 | 23.73 | Q V | . | . | . | . |
| 3.550 | 6.2776 | 23.74 | Q V | . | . | . | . |
| 3.567 | 6.3103 | 23.76 | Q V | . | . | . | . |
| 3.583 | 6.3431 | 23.77 | Q V | . | . | . | . |
| 3.600 | 6.3758 | 23.78 | Q V | . | . | . | . |
| 3.617 | 6.4086 | 23.79 | Q V | . | . | . | . |
| 3.633 | 6.4414 | 23.81 | Q V | . | . | . | . |
| 3.650 | 6.4742 | 23.83 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 3.667 | 6.5071 | 23.86 | Q V | . | . | . | . |
| 3.683 | 6.5400 | 23.89 | Q V | . | . | . | . |
| 3.700 | 6.5729 | 23.92 | Q V | . | . | . | . |
| 3.717 | 6.6059 | 23.94 | Q V | . | . | . | . |
| 3.733 | 6.6389 | 23.97 | Q V | . | . | . | . |
| 3.750 | 6.6720 | 24.00 | Q V | . | . | . | . |
| 3.767 | 6.7051 | 24.02 | Q V | . | . | . | . |
| 3.783 | 6.7382 | 24.05 | Q V | . | . | . | . |
| 3.800 | 6.7714 | 24.08 | Q V | . | . | . | . |
| 3.817 | 6.8046 | 24.11 | Q V | . | . | . | . |
| 3.833 | 6.8378 | 24.13 | Q V | . | . | . | . |
| 3.850 | 6.8711 | 24.16 | Q V | . | . | . | . |
| 3.867 | 6.9044 | 24.18 | Q V | . | . | . | . |
| 3.883 | 6.9377 | 24.20 | Q V | . | . | . | . |
| 3.900 | 6.9711 | 24.21 | Q V | . | . | . | . |
| 3.917 | 7.0044 | 24.22 | Q V | . | . | . | . |
| 3.933 | 7.0378 | 24.24 | Q V | . | . | . | . |
| 3.950 | 7.0712 | 24.25 | Q V | . | . | . | . |
| 3.967 | 7.1047 | 24.27 | Q V | . | . | . | . |
| 3.983 | 7.1381 | 24.28 | Q V | . | . | . | . |
| 4.000 | 7.1716 | 24.29 | Q V | . | . | . | . |
| 4.017 | 7.2050 | 24.31 | Q V | . | . | . | . |
| 4.033 | 7.2385 | 24.32 | Q V | . | . | . | . |
| 4.050 | 7.2721 | 24.34 | Q V | . | . | . | . |
| 4.067 | 7.3056 | 24.35 | Q V | . | . | . | . |
| 4.083 | 7.3392 | 24.36 | Q V | . | . | . | . |
| 4.100 | 7.3728 | 24.39 | Q V | . | . | . | . |
| 4.117 | 7.4064 | 24.41 | Q V | . | . | . | . |
| 4.133 | 7.4400 | 24.44 | Q V | . | . | . | . |
| 4.150 | 7.4738 | 24.47 | Q V | . | . | . | . |
| 4.167 | 7.5075 | 24.50 | Q V | . | . | . | . |
| 4.183 | 7.5413 | 24.53 | Q V | . | . | . | . |
| 4.200 | 7.5751 | 24.56 | Q V | . | . | . | . |
| 4.217 | 7.6090 | 24.59 | Q V | . | . | . | . |
| 4.233 | 7.6429 | 24.61 | Q V | . | . | . | . |
| 4.250 | 7.6768 | 24.64 | Q V | . | . | . | . |
| 4.267 | 7.7108 | 24.67 | Q V | . | . | . | . |
| 4.283 | 7.7448 | 24.70 | Q V | . | . | . | . |
| 4.300 | 7.7789 | 24.73 | Q V | . | . | . | . |
| 4.317 | 7.8130 | 24.76 | Q V | . | . | . | . |
| 4.333 | 7.8471 | 24.78 | Q V | . | . | . | . |
| 4.350 | 7.8813 | 24.79 | Q V | . | . | . | . |
| 4.367 | 7.9154 | 24.81 | Q V | . | . | . | . |
| 4.383 | 7.9496 | 24.82 | Q V | . | . | . | . |
| 4.400 | 7.9838 | 24.84 | Q V | . | . | . | . |
| 4.417 | 8.0181 | 24.85 | Q V | . | . | . | . |
| 4.433 | 8.0523 | 24.87 | Q V | . | . | . | . |
| 4.450 | 8.0866 | 24.88 | Q V | . | . | . | . |
| 4.467 | 8.1209 | 24.90 | Q V | . | . | . | . |
| 4.483 | 8.1552 | 24.91 | Q V | . | . | . | . |
| 4.500 | 8.1895 | 24.93 | Q V | . | . | . | . |
| 4.517 | 8.2239 | 24.94 | Q V | . | . | . | . |
| 4.533 | 8.2583 | 24.95 | Q V | . | . | . | . |
| 4.550 | 8.2926 | 24.97 | Q V | . | . | . | . |
| 4.567 | 8.3271 | 25.00 | Q V | . | . | . | . |
| 4.583 | 8.3616 | 25.03 | Q V | . | . | . | . |
| 4.600 | 8.3961 | 25.06 | Q V | . | . | . | . |
| 4.617 | 8.4306 | 25.09 | Q V | . | . | . | . |

| | | | | | | | |
|-------|---------|-------|-----|---|---|---|---|
| 4.633 | 8.4652 | 25.12 | Q V | . | . | . | . |
| 4.650 | 8.4999 | 25.15 | Q V | . | . | . | . |
| 4.667 | 8.5346 | 25.18 | Q V | . | . | . | . |
| 4.683 | 8.5693 | 25.21 | Q V | . | . | . | . |
| 4.700 | 8.6041 | 25.24 | Q V | . | . | . | . |
| 4.717 | 8.6389 | 25.28 | Q V | . | . | . | . |
| 4.733 | 8.6738 | 25.31 | Q V | . | . | . | . |
| 4.750 | 8.7087 | 25.34 | Q V | . | . | . | . |
| 4.767 | 8.7436 | 25.37 | Q V | . | . | . | . |
| 4.783 | 8.7786 | 25.39 | Q V | . | . | . | . |
| 4.800 | 8.8136 | 25.41 | Q V | . | . | . | . |
| 4.817 | 8.8486 | 25.43 | Q V | . | . | . | . |
| 4.833 | 8.8836 | 25.44 | Q V | . | . | . | . |
| 4.850 | 8.9187 | 25.46 | Q V | . | . | . | . |
| 4.867 | 8.9538 | 25.47 | Q V | . | . | . | . |
| 4.883 | 8.9889 | 25.49 | Q V | . | . | . | . |
| 4.900 | 9.0240 | 25.51 | Q V | . | . | . | . |
| 4.917 | 9.0592 | 25.52 | Q V | . | . | . | . |
| 4.933 | 9.0944 | 25.54 | Q V | . | . | . | . |
| 4.950 | 9.1296 | 25.55 | Q V | . | . | . | . |
| 4.967 | 9.1648 | 25.57 | Q V | . | . | . | . |
| 4.983 | 9.2000 | 25.58 | Q V | . | . | . | . |
| 5.000 | 9.2353 | 25.60 | Q V | . | . | . | . |
| 5.017 | 9.2706 | 25.62 | Q V | . | . | . | . |
| 5.033 | 9.3059 | 25.66 | Q V | . | . | . | . |
| 5.050 | 9.3413 | 25.69 | Q V | . | . | . | . |
| 5.067 | 9.3767 | 25.72 | Q V | . | . | . | . |
| 5.083 | 9.4122 | 25.76 | Q V | . | . | . | . |
| 5.100 | 9.4477 | 25.79 | Q V | . | . | . | . |
| 5.117 | 9.4833 | 25.82 | Q V | . | . | . | . |
| 5.133 | 9.5189 | 25.85 | Q V | . | . | . | . |
| 5.150 | 9.5546 | 25.89 | Q V | . | . | . | . |
| 5.167 | 9.5903 | 25.92 | Q V | . | . | . | . |
| 5.183 | 9.6260 | 25.95 | Q V | . | . | . | . |
| 5.200 | 9.6618 | 25.98 | Q V | . | . | . | . |
| 5.217 | 9.6976 | 26.02 | Q V | . | . | . | . |
| 5.233 | 9.7335 | 26.05 | Q V | . | . | . | . |
| 5.250 | 9.7694 | 26.07 | Q V | . | . | . | . |
| 5.267 | 9.8054 | 26.09 | Q V | . | . | . | . |
| 5.283 | 9.8413 | 26.10 | Q V | . | . | . | . |
| 5.300 | 9.8773 | 26.12 | Q V | . | . | . | . |
| 5.317 | 9.9133 | 26.14 | Q V | . | . | . | . |
| 5.333 | 9.9493 | 26.15 | Q V | . | . | . | . |
| 5.350 | 9.9854 | 26.17 | Q V | . | . | . | . |
| 5.367 | 10.0215 | 26.19 | Q V | . | . | . | . |
| 5.383 | 10.0576 | 26.21 | Q V | . | . | . | . |
| 5.400 | 10.0937 | 26.22 | Q V | . | . | . | . |
| 5.417 | 10.1298 | 26.24 | Q V | . | . | . | . |
| 5.433 | 10.1660 | 26.26 | Q V | . | . | . | . |
| 5.450 | 10.2022 | 26.27 | Q V | . | . | . | . |
| 5.467 | 10.2384 | 26.29 | Q V | . | . | . | . |
| 5.483 | 10.2746 | 26.32 | Q V | . | . | . | . |
| 5.500 | 10.3109 | 26.36 | Q V | . | . | . | . |
| 5.517 | 10.3473 | 26.39 | Q V | . | . | . | . |
| 5.533 | 10.3837 | 26.43 | Q V | . | . | . | . |
| 5.550 | 10.4202 | 26.46 | Q V | . | . | . | . |
| 5.567 | 10.4567 | 26.50 | Q V | . | . | . | . |
| 5.583 | 10.4932 | 26.53 | Q V | . | . | . | . |

| | | | | | | | | |
|-------|---------|-------|----|---|---|---|---|---|
| 5.600 | 10.5298 | 26.57 | Q | V | . | . | . | . |
| 5.617 | 10.5665 | 26.60 | Q | V | . | . | . | . |
| 5.633 | 10.6031 | 26.64 | Q | V | . | . | . | . |
| 5.650 | 10.6399 | 26.68 | Q | V | . | . | . | . |
| 5.667 | 10.6767 | 26.71 | Q | V | . | . | . | . |
| 5.683 | 10.7135 | 26.75 | Q | V | . | . | . | . |
| 5.700 | 10.7504 | 26.78 | Q | V | . | . | . | . |
| 5.717 | 10.7873 | 26.79 | Q | V | . | . | . | . |
| 5.733 | 10.8242 | 26.81 | Q | V | . | . | . | . |
| 5.750 | 10.8612 | 26.83 | Q | V | . | . | . | . |
| 5.767 | 10.8982 | 26.85 | Q | V | . | . | . | . |
| 5.783 | 10.9352 | 26.87 | Q | V | . | . | . | . |
| 5.800 | 10.9722 | 26.89 | Q | V | . | . | . | . |
| 5.817 | 11.0093 | 26.90 | Q | V | . | . | . | . |
| 5.833 | 11.0464 | 26.92 | Q | V | . | . | . | . |
| 5.850 | 11.0835 | 26.94 | Q | V | . | . | . | . |
| 5.867 | 11.1206 | 26.96 | Q | V | . | . | . | . |
| 5.883 | 11.1578 | 26.98 | Q | V | . | . | . | . |
| 5.900 | 11.1949 | 26.99 | Q | V | . | . | . | . |
| 5.917 | 11.2321 | 27.01 | Q | V | . | . | . | . |
| 5.933 | 11.2694 | 27.04 | Q | V | . | . | . | . |
| 5.950 | 11.3067 | 27.08 | Q | V | . | . | . | . |
| 5.967 | 11.3440 | 27.12 | Q | V | . | . | . | . |
| 5.983 | 11.3814 | 27.15 | .Q | V | . | . | . | . |
| 6.000 | 11.4189 | 27.19 | .Q | V | . | . | . | . |
| 6.017 | 11.4564 | 27.23 | .Q | V | . | . | . | . |
| 6.033 | 11.4940 | 27.27 | .Q | V | . | . | . | . |
| 6.050 | 11.5316 | 27.30 | .Q | V | . | . | . | . |
| 6.067 | 11.5692 | 27.34 | .Q | V | . | . | . | . |
| 6.083 | 11.6069 | 27.38 | .Q | V | . | . | . | . |
| 6.100 | 11.6447 | 27.42 | .Q | V | . | . | . | . |
| 6.117 | 11.6825 | 27.46 | .Q | V | . | . | . | . |
| 6.133 | 11.7204 | 27.49 | .Q | V | . | . | . | . |
| 6.150 | 11.7583 | 27.53 | .Q | V | . | . | . | . |
| 6.167 | 11.7963 | 27.55 | .Q | V | . | . | . | . |
| 6.183 | 11.8343 | 27.57 | .Q | V | . | . | . | . |
| 6.200 | 11.8723 | 27.59 | .Q | V | . | . | . | . |
| 6.217 | 11.9103 | 27.61 | .Q | V | . | . | . | . |
| 6.233 | 11.9484 | 27.63 | .Q | V | . | . | . | . |
| 6.250 | 11.9864 | 27.65 | .Q | V | . | . | . | . |
| 6.267 | 12.0246 | 27.67 | .Q | V | . | . | . | . |
| 6.283 | 12.0627 | 27.69 | .Q | V | . | . | . | . |
| 6.300 | 12.1009 | 27.71 | .Q | V | . | . | . | . |
| 6.317 | 12.1391 | 27.73 | .Q | V | . | . | . | . |
| 6.333 | 12.1773 | 27.75 | .Q | V | . | . | . | . |
| 6.350 | 12.2155 | 27.77 | .Q | V | . | . | . | . |
| 6.367 | 12.2538 | 27.79 | .Q | V | . | . | . | . |
| 6.383 | 12.2921 | 27.81 | .Q | V | . | . | . | . |
| 6.400 | 12.3305 | 27.85 | .Q | V | . | . | . | . |
| 6.417 | 12.3689 | 27.89 | .Q | V | . | . | . | . |
| 6.433 | 12.4074 | 27.93 | .Q | V | . | . | . | . |
| 6.450 | 12.4459 | 27.97 | .Q | V | . | . | . | . |
| 6.467 | 12.4845 | 28.01 | .Q | V | . | . | . | . |
| 6.483 | 12.5231 | 28.05 | .Q | V | . | . | . | . |
| 6.500 | 12.5618 | 28.09 | .Q | V | . | . | . | . |
| 6.517 | 12.6005 | 28.13 | .Q | V | . | . | . | . |
| 6.533 | 12.6393 | 28.17 | .Q | V | . | . | . | . |
| 6.550 | 12.6782 | 28.21 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|---------|-------|----|---|---|---|---|---|
| 6.567 | 12.7171 | 28.25 | .Q | V | . | . | . | . |
| 6.583 | 12.7561 | 28.29 | .Q | V | . | . | . | . |
| 6.600 | 12.7951 | 28.33 | .Q | V | . | . | . | . |
| 6.617 | 12.8342 | 28.37 | .Q | V | . | . | . | . |
| 6.633 | 12.8733 | 28.39 | .Q | V | . | . | . | . |
| 6.650 | 12.9124 | 28.41 | .Q | V | . | . | . | . |
| 6.667 | 12.9516 | 28.43 | .Q | V | . | . | . | . |
| 6.683 | 12.9908 | 28.46 | .Q | V | . | . | . | . |
| 6.700 | 13.0300 | 28.48 | .Q | V | . | . | . | . |
| 6.717 | 13.0693 | 28.50 | .Q | V | . | . | . | . |
| 6.733 | 13.1086 | 28.52 | .Q | V | . | . | . | . |
| 6.750 | 13.1479 | 28.54 | .Q | V | . | . | . | . |
| 6.767 | 13.1872 | 28.56 | .Q | V | . | . | . | . |
| 6.783 | 13.2266 | 28.58 | .Q | V | . | . | . | . |
| 6.800 | 13.2660 | 28.60 | .Q | V | . | . | . | . |
| 6.817 | 13.3054 | 28.62 | .Q | V | . | . | . | . |
| 6.833 | 13.3449 | 28.65 | .Q | V | . | . | . | . |
| 6.850 | 13.3844 | 28.68 | .Q | V | . | . | . | . |
| 6.867 | 13.4239 | 28.72 | .Q | V | . | . | . | . |
| 6.883 | 13.4635 | 28.77 | .Q | V | . | . | . | . |
| 6.900 | 13.5032 | 28.81 | .Q | V | . | . | . | . |
| 6.917 | 13.5430 | 28.85 | .Q | V | . | . | . | . |
| 6.933 | 13.5828 | 28.90 | .Q | V | . | . | . | . |
| 6.950 | 13.6226 | 28.94 | .Q | V | . | . | . | . |
| 6.967 | 13.6626 | 28.99 | .Q | V | . | . | . | . |
| 6.983 | 13.7025 | 29.03 | .Q | V | . | . | . | . |
| 7.000 | 13.7426 | 29.07 | .Q | V | . | . | . | . |
| 7.017 | 13.7827 | 29.12 | .Q | V | . | . | . | . |
| 7.033 | 13.8229 | 29.16 | .Q | V | . | . | . | . |
| 7.050 | 13.8631 | 29.21 | .Q | V | . | . | . | . |
| 7.067 | 13.9034 | 29.25 | .Q | V | . | . | . | . |
| 7.083 | 13.9437 | 29.28 | .Q | V | . | . | . | . |
| 7.100 | 13.9841 | 29.30 | .Q | V | . | . | . | . |
| 7.117 | 14.0245 | 29.32 | .Q | V | . | . | . | . |
| 7.133 | 14.0649 | 29.35 | .Q | V | . | . | . | . |
| 7.150 | 14.1053 | 29.37 | .Q | V | . | . | . | . |
| 7.167 | 14.1458 | 29.39 | .Q | V | . | . | . | . |
| 7.183 | 14.1863 | 29.41 | .Q | V | . | . | . | . |
| 7.200 | 14.2269 | 29.44 | .Q | V | . | . | . | . |
| 7.217 | 14.2675 | 29.46 | .Q | V | . | . | . | . |
| 7.233 | 14.3081 | 29.48 | .Q | V | . | . | . | . |
| 7.250 | 14.3487 | 29.51 | .Q | V | . | . | . | . |
| 7.267 | 14.3894 | 29.53 | .Q | V | . | . | . | . |
| 7.283 | 14.4301 | 29.55 | .Q | V | . | . | . | . |
| 7.300 | 14.4708 | 29.58 | .Q | V | . | . | . | . |
| 7.317 | 14.5116 | 29.62 | .Q | V | . | . | . | . |
| 7.333 | 14.5525 | 29.67 | .Q | V | . | . | . | . |
| 7.350 | 14.5934 | 29.72 | .Q | V | . | . | . | . |
| 7.367 | 14.6344 | 29.77 | .Q | V | . | . | . | . |
| 7.383 | 14.6755 | 29.81 | .Q | V | . | . | . | . |
| 7.400 | 14.7166 | 29.86 | .Q | V | . | . | . | . |
| 7.417 | 14.7578 | 29.91 | .Q | V | . | . | . | . |
| 7.433 | 14.7991 | 29.96 | .Q | V | . | . | . | . |
| 7.450 | 14.8404 | 30.00 | .Q | V | . | . | . | . |
| 7.467 | 14.8818 | 30.05 | .Q | V | . | . | . | . |
| 7.483 | 14.9233 | 30.10 | .Q | V | . | . | . | . |
| 7.500 | 14.9648 | 30.15 | .Q | V | . | . | . | . |
| 7.517 | 15.0064 | 30.20 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 7.533 | 15.0481 | 30.24 | .Q | V | . | . | . | . |
| 7.550 | 15.0897 | 30.26 | .Q | V | . | . | . | . |
| 7.567 | 15.1315 | 30.29 | .Q | V | . | . | . | . |
| 7.583 | 15.1732 | 30.31 | .Q | V | . | . | . | . |
| 7.600 | 15.2150 | 30.34 | .Q | V | . | . | . | . |
| 7.617 | 15.2568 | 30.36 | .Q | V | . | . | . | . |
| 7.633 | 15.2987 | 30.39 | .Q | V | . | . | . | . |
| 7.650 | 15.3406 | 30.41 | .Q | V | . | . | . | . |
| 7.667 | 15.3825 | 30.44 | .Q | V | . | . | . | . |
| 7.683 | 15.4244 | 30.46 | .Q | V | . | . | . | . |
| 7.700 | 15.4664 | 30.49 | .Q | V | . | . | . | . |
| 7.717 | 15.5085 | 30.51 | .Q | V | . | . | . | . |
| 7.733 | 15.5505 | 30.54 | .Q | V | . | . | . | . |
| 7.750 | 15.5926 | 30.56 | .Q | V | . | . | . | . |
| 7.767 | 15.6348 | 30.60 | .Q | V | . | . | . | . |
| 7.783 | 15.6770 | 30.65 | .Q | V | . | . | . | . |
| 7.800 | 15.7193 | 30.70 | .Q | V | . | . | . | . |
| 7.817 | 15.7616 | 30.76 | .Q | V | . | . | . | . |
| 7.833 | 15.8041 | 30.81 | .Q | V | . | . | . | . |
| 7.850 | 15.8466 | 30.86 | .Q | V | . | . | . | . |
| 7.867 | 15.8892 | 30.91 | .Q | V | . | . | . | . |
| 7.883 | 15.9318 | 30.96 | .Q | V | . | . | . | . |
| 7.900 | 15.9745 | 31.02 | .Q | V | . | . | . | . |
| 7.917 | 16.0173 | 31.07 | .Q | V | . | . | . | . |
| 7.933 | 16.0602 | 31.12 | .Q | V | . | . | . | . |
| 7.950 | 16.1031 | 31.17 | .Q | V | . | . | . | . |
| 7.967 | 16.1461 | 31.22 | .Q | V | . | . | . | . |
| 7.983 | 16.1892 | 31.28 | .Q | V | . | . | . | . |
| 8.000 | 16.2323 | 31.31 | .Q | V | . | . | . | . |
| 8.017 | 16.2755 | 31.34 | .Q | V | . | . | . | . |
| 8.033 | 16.3187 | 31.36 | .Q | V | . | . | . | . |
| 8.050 | 16.3619 | 31.39 | .Q | V | . | . | . | . |
| 8.067 | 16.4052 | 31.42 | .Q | V | . | . | . | . |
| 8.083 | 16.4485 | 31.45 | .Q | V | . | . | . | . |
| 8.100 | 16.4919 | 31.47 | .Q | V | . | . | . | . |
| 8.117 | 16.5353 | 31.50 | .Q | V | . | . | . | . |
| 8.133 | 16.5787 | 31.53 | .Q | V | . | . | . | . |
| 8.150 | 16.6222 | 31.56 | .Q | V | . | . | . | . |
| 8.167 | 16.6657 | 31.58 | .Q | V | . | . | . | . |
| 8.183 | 16.7092 | 31.61 | .Q | V | . | . | . | . |
| 8.200 | 16.7528 | 31.64 | .Q | V | . | . | . | . |
| 8.217 | 16.7964 | 31.67 | .Q | V | . | . | . | . |
| 8.233 | 16.8401 | 31.72 | .Q | V | . | . | . | . |
| 8.250 | 16.8839 | 31.78 | .Q | V | . | . | . | . |
| 8.267 | 16.9277 | 31.84 | .Q | V | . | . | . | . |
| 8.283 | 16.9717 | 31.89 | .Q | V | . | . | . | . |
| 8.300 | 17.0157 | 31.95 | .Q | V | . | . | . | . |
| 8.317 | 17.0597 | 32.01 | .Q | V | . | . | . | . |
| 8.333 | 17.1039 | 32.06 | .Q | V | . | . | . | . |
| 8.350 | 17.1482 | 32.12 | .Q | V | . | . | . | . |
| 8.367 | 17.1925 | 32.18 | .Q | V | . | . | . | . |
| 8.383 | 17.2369 | 32.24 | .Q | V | . | . | . | . |
| 8.400 | 17.2814 | 32.29 | .Q | V | . | . | . | . |
| 8.417 | 17.3259 | 32.35 | .Q | V | . | . | . | . |
| 8.433 | 17.3706 | 32.41 | .Q | V | . | . | . | . |
| 8.450 | 17.4153 | 32.46 | .Q | V | . | . | . | . |
| 8.467 | 17.4600 | 32.49 | .Q | V | . | . | . | . |
| 8.483 | 17.5048 | 32.52 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 8.500 | 17.5496 | 32.55 | .Q | V | . | . | . | . |
| 8.517 | 17.5945 | 32.58 | .Q | V | . | . | . | . |
| 8.533 | 17.6394 | 32.61 | .Q | V | . | . | . | . |
| 8.550 | 17.6844 | 32.64 | .Q | V | . | . | . | . |
| 8.567 | 17.7294 | 32.67 | .Q | V | . | . | . | . |
| 8.583 | 17.7744 | 32.70 | .Q | V | . | . | . | . |
| 8.600 | 17.8195 | 32.73 | .Q | V | . | . | . | . |
| 8.617 | 17.8646 | 32.76 | .Q | V | . | . | . | . |
| 8.633 | 17.9098 | 32.79 | .Q | V | . | . | . | . |
| 8.650 | 17.9550 | 32.82 | .Q | V | . | . | . | . |
| 8.667 | 18.0002 | 32.85 | .Q | V | . | . | . | . |
| 8.683 | 18.0455 | 32.89 | .Q | V | . | . | . | . |
| 8.700 | 18.0909 | 32.96 | .Q | V | . | . | . | . |
| 8.717 | 18.1364 | 33.02 | .Q | V | . | . | . | . |
| 8.733 | 18.1820 | 33.08 | .Q | V | . | . | . | . |
| 8.750 | 18.2276 | 33.15 | .Q | V | . | . | . | . |
| 8.767 | 18.2734 | 33.21 | .Q | V | . | . | . | . |
| 8.783 | 18.3192 | 33.27 | .Q | V | . | . | . | . |
| 8.800 | 18.3651 | 33.33 | .Q | V | . | . | . | . |
| 8.817 | 18.4111 | 33.40 | .Q | V | . | . | . | . |
| 8.833 | 18.4572 | 33.46 | .Q | V | . | . | . | . |
| 8.850 | 18.5034 | 33.52 | .Q | V | . | . | . | . |
| 8.867 | 18.5496 | 33.59 | .Q | V | . | . | . | . |
| 8.883 | 18.5960 | 33.65 | .Q | V | . | . | . | . |
| 8.900 | 18.6424 | 33.71 | .Q | V | . | . | . | . |
| 8.917 | 18.6889 | 33.75 | .Q | V | . | . | . | . |
| 8.933 | 18.7354 | 33.79 | .Q | V | . | . | . | . |
| 8.950 | 18.7820 | 33.82 | .Q | V | . | . | . | . |
| 8.967 | 18.8287 | 33.85 | .Q | V | . | . | . | . |
| 8.983 | 18.8753 | 33.89 | .Q | V | . | . | . | . |
| 9.000 | 18.9221 | 33.92 | .Q | V | . | . | . | . |
| 9.017 | 18.9688 | 33.95 | .Q | V | . | . | . | . |
| 9.033 | 19.0156 | 33.99 | .Q | V | . | . | . | . |
| 9.050 | 19.0625 | 34.02 | .Q | V | . | . | . | . |
| 9.067 | 19.1094 | 34.05 | .Q | V | . | . | . | . |
| 9.083 | 19.1563 | 34.09 | .Q | V | . | . | . | . |
| 9.100 | 19.2033 | 34.12 | .Q | V | . | . | . | . |
| 9.117 | 19.2504 | 34.15 | .Q | V | . | . | . | . |
| 9.133 | 19.2975 | 34.19 | .Q | V | . | . | . | . |
| 9.150 | 19.3447 | 34.25 | .Q | V | . | . | . | . |
| 9.167 | 19.3919 | 34.32 | .Q | V | . | . | . | . |
| 9.183 | 19.4393 | 34.39 | .Q | V | . | . | . | . |
| 9.200 | 19.4868 | 34.46 | .Q | V | . | . | . | . |
| 9.217 | 19.5343 | 34.53 | .Q | V | . | . | . | . |
| 9.233 | 19.5820 | 34.60 | .Q | V | . | . | . | . |
| 9.250 | 19.6298 | 34.67 | .Q | V | . | . | . | . |
| 9.267 | 19.6776 | 34.74 | .Q | V | . | . | . | . |
| 9.283 | 19.7256 | 34.81 | .Q | V | . | . | . | . |
| 9.300 | 19.7736 | 34.88 | .Q | V | . | . | . | . |
| 9.317 | 19.8218 | 34.95 | .Q | V | . | . | . | . |
| 9.333 | 19.8700 | 35.02 | .Q | V | . | . | . | . |
| 9.350 | 19.9184 | 35.09 | .Q | V | . | . | . | . |
| 9.367 | 19.9668 | 35.15 | .Q | V | . | . | . | . |
| 9.383 | 20.0152 | 35.19 | .Q | V | . | . | . | . |
| 9.400 | 20.0638 | 35.23 | .Q | V | . | . | . | . |
| 9.417 | 20.1124 | 35.27 | .Q | V | . | . | . | . |
| 9.433 | 20.1610 | 35.30 | .Q | V | . | . | . | . |
| 9.450 | 20.2097 | 35.34 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 9.467 | 20.2584 | 35.38 | .Q | V | . | . | . | . |
| 9.483 | 20.3072 | 35.41 | .Q | V | . | . | . | . |
| 9.500 | 20.3560 | 35.45 | .Q | V | . | . | . | . |
| 9.517 | 20.4049 | 35.49 | .Q | V | . | . | . | . |
| 9.533 | 20.4538 | 35.52 | .Q | V | . | . | . | . |
| 9.550 | 20.5028 | 35.56 | .Q | V | . | . | . | . |
| 9.567 | 20.5518 | 35.60 | .Q | V | . | . | . | . |
| 9.583 | 20.6009 | 35.64 | .Q | V | . | . | . | . |
| 9.600 | 20.6501 | 35.69 | .Q | V | . | . | . | . |
| 9.617 | 20.6993 | 35.77 | .Q | V | . | . | . | . |
| 9.633 | 20.7487 | 35.85 | .Q | V | . | . | . | . |
| 9.650 | 20.7982 | 35.93 | .Q | V | . | . | . | . |
| 9.667 | 20.8478 | 36.01 | .Q | V | . | . | . | . |
| 9.683 | 20.8975 | 36.08 | .Q | V | . | . | . | . |
| 9.700 | 20.9473 | 36.16 | .Q | V | . | . | . | . |
| 9.717 | 20.9972 | 36.24 | .Q | V | . | . | . | . |
| 9.733 | 21.0473 | 36.32 | .Q | V | . | . | . | . |
| 9.750 | 21.0974 | 36.40 | .Q | V | . | . | . | . |
| 9.767 | 21.1476 | 36.47 | .Q | V | . | . | . | . |
| 9.783 | 21.1980 | 36.55 | .Q | V | . | . | . | . |
| 9.800 | 21.2484 | 36.63 | .Q | V | . | . | . | . |
| 9.817 | 21.2990 | 36.71 | .Q | V | . | . | . | . |
| 9.833 | 21.3496 | 36.76 | .Q | V | . | . | . | . |
| 9.850 | 21.4003 | 36.80 | .Q | V | . | . | . | . |
| 9.867 | 21.4511 | 36.84 | .Q | V | . | . | . | . |
| 9.883 | 21.5019 | 36.88 | .Q | V | . | . | . | . |
| 9.900 | 21.5527 | 36.92 | .Q | V | . | . | . | . |
| 9.917 | 21.6036 | 36.97 | .Q | V | . | . | . | . |
| 9.933 | 21.6546 | 37.01 | .Q | V | . | . | . | . |
| 9.950 | 21.7056 | 37.05 | .Q | V | . | . | . | . |
| 9.967 | 21.7567 | 37.09 | .Q | V | . | . | . | . |
| 9.983 | 21.8079 | 37.13 | .Q | V | . | . | . | . |
| 10.000 | 21.8591 | 37.17 | .Q | V | . | . | . | . |
| 10.017 | 21.9103 | 37.21 | .Q | V | . | . | . | . |
| 10.033 | 21.9617 | 37.26 | .Q | V | . | . | . | . |
| 10.050 | 22.0130 | 37.30 | .Q | V | . | . | . | . |
| 10.067 | 22.0645 | 37.39 | .Q | V | . | . | . | . |
| 10.083 | 22.1161 | 37.47 | .Q | V | . | . | . | . |
| 10.100 | 22.1679 | 37.56 | .Q | V | . | . | . | . |
| 10.117 | 22.2197 | 37.65 | .Q | V | . | . | . | . |
| 10.133 | 22.2717 | 37.74 | .Q | V | . | . | . | . |
| 10.150 | 22.3238 | 37.83 | .Q | V | . | . | . | . |
| 10.167 | 22.3761 | 37.91 | .Q | V | . | . | . | . |
| 10.183 | 22.4284 | 38.00 | .Q | V | . | . | . | . |
| 10.200 | 22.4809 | 38.09 | .Q | V | . | . | . | . |
| 10.217 | 22.5335 | 38.18 | .Q | V | . | . | . | . |
| 10.233 | 22.5862 | 38.27 | .Q | V | . | . | . | . |
| 10.250 | 22.6390 | 38.35 | .Q | V | . | . | . | . |
| 10.267 | 22.6919 | 38.44 | .Q | V | . | . | . | . |
| 10.283 | 22.7450 | 38.52 | .Q | V | . | . | . | . |
| 10.300 | 22.7981 | 38.57 | .Q | V | . | . | . | . |
| 10.317 | 22.8513 | 38.61 | .Q | V | . | . | . | . |
| 10.333 | 22.9046 | 38.66 | .Q | V | . | . | . | . |
| 10.350 | 22.9579 | 38.71 | .Q | V | . | . | . | . |
| 10.367 | 23.0113 | 38.75 | .Q | V | . | . | . | . |
| 10.383 | 23.0647 | 38.80 | .Q | V | . | . | . | . |
| 10.400 | 23.1182 | 38.85 | .Q | V | . | . | . | . |
| 10.417 | 23.1718 | 38.90 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 10.433 | 23.2254 | 38.94 | .Q | V | . | . | . | . |
| 10.450 | 23.2791 | 38.99 | .Q | V | . | . | . | . |
| 10.467 | 23.3329 | 39.04 | .Q | V | . | . | . | . |
| 10.483 | 23.3867 | 39.08 | .Q | V | . | . | . | . |
| 10.500 | 23.4406 | 39.13 | .Q | V | . | . | . | . |
| 10.517 | 23.4946 | 39.20 | .Q | V | . | . | . | . |
| 10.533 | 23.5488 | 39.30 | .Q | V | . | . | . | . |
| 10.550 | 23.6031 | 39.40 | .Q | V | . | . | . | . |
| 10.567 | 23.6575 | 39.50 | .Q | V | . | . | . | . |
| 10.583 | 23.7120 | 39.60 | .Q | V | . | . | . | . |
| 10.600 | 23.7667 | 39.71 | .Q | V | . | . | . | . |
| 10.617 | 23.8215 | 39.81 | .Q | V | . | . | . | . |
| 10.633 | 23.8765 | 39.91 | .Q | V | . | . | . | . |
| 10.650 | 23.9316 | 40.01 | .Q | V | . | . | . | . |
| 10.667 | 23.9869 | 40.11 | .Q | V | . | . | . | . |
| 10.683 | 24.0422 | 40.21 | .Q | V | . | . | . | . |
| 10.700 | 24.0978 | 40.31 | .Q | V | . | . | . | . |
| 10.717 | 24.1534 | 40.41 | .Q | V | . | . | . | . |
| 10.733 | 24.2092 | 40.51 | .Q | V | . | . | . | . |
| 10.750 | 24.2651 | 40.57 | .Q | V | . | . | . | . |
| 10.767 | 24.3210 | 40.63 | .Q | V | . | . | . | . |
| 10.783 | 24.3771 | 40.68 | .Q | V | . | . | . | . |
| 10.800 | 24.4332 | 40.73 | .Q | V | . | . | . | . |
| 10.817 | 24.4894 | 40.79 | .Q | V | . | . | . | . |
| 10.833 | 24.5456 | 40.84 | .Q | V | . | . | . | . |
| 10.850 | 24.6019 | 40.89 | .Q | V | . | . | . | . |
| 10.867 | 24.6583 | 40.95 | .Q | V | . | . | . | . |
| 10.883 | 24.7148 | 41.00 | .Q | V | . | . | . | . |
| 10.900 | 24.7714 | 41.05 | .Q | V | . | . | . | . |
| 10.917 | 24.8280 | 41.11 | .Q | V | . | . | . | . |
| 10.933 | 24.8847 | 41.16 | .Q | V | . | . | . | . |
| 10.950 | 24.9415 | 41.22 | .Q | V | . | . | . | . |
| 10.967 | 24.9983 | 41.28 | .Q | V | . | . | . | . |
| 10.983 | 25.0553 | 41.38 | .Q | V | . | . | . | . |
| 11.000 | 25.1125 | 41.50 | .Q | V | . | . | . | . |
| 11.017 | 25.1698 | 41.61 | .Q | V | . | . | . | . |
| 11.033 | 25.2273 | 41.73 | .Q | V | . | . | . | . |
| 11.050 | 25.2849 | 41.85 | .Q | V | . | . | . | . |
| 11.067 | 25.3427 | 41.96 | .Q | V | . | . | . | . |
| 11.083 | 25.4007 | 42.08 | .Q | V | . | . | . | . |
| 11.100 | 25.4588 | 42.19 | .Q | V | . | . | . | . |
| 11.117 | 25.5170 | 42.31 | .Q | V | . | . | . | . |
| 11.133 | 25.5755 | 42.42 | .Q | V | . | . | . | . |
| 11.150 | 25.6341 | 42.54 | .Q | V | . | . | . | . |
| 11.167 | 25.6928 | 42.65 | .Q | V | . | . | . | . |
| 11.183 | 25.7517 | 42.77 | .Q | V | . | . | . | . |
| 11.200 | 25.8108 | 42.87 | .Q | V | . | . | . | . |
| 11.217 | 25.8699 | 42.93 | .Q | V | . | . | . | . |
| 11.233 | 25.9291 | 42.99 | .Q | V | . | . | . | . |
| 11.250 | 25.9884 | 43.06 | .Q | V | . | . | . | . |
| 11.267 | 26.0478 | 43.12 | .Q | V | . | . | . | . |
| 11.283 | 26.1073 | 43.18 | .Q | V | . | . | . | . |
| 11.300 | 26.1669 | 43.24 | .Q | V | . | . | . | . |
| 11.317 | 26.2265 | 43.30 | .Q | V | . | . | . | . |
| 11.333 | 26.2862 | 43.37 | .Q | V | . | . | . | . |
| 11.350 | 26.3461 | 43.43 | .Q | V | . | . | . | . |
| 11.367 | 26.4060 | 43.49 | .Q | V | . | . | . | . |
| 11.383 | 26.4660 | 43.55 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|----|---|---|---|
| 11.400 | 26.5260 | 43.61 | .Q | V. | . | . | . |
| 11.417 | 26.5862 | 43.68 | .Q | V. | . | . | . |
| 11.433 | 26.6465 | 43.77 | .Q | V. | . | . | . |
| 11.450 | 26.7070 | 43.91 | .Q | V. | . | . | . |
| 11.467 | 26.7676 | 44.04 | .Q | V. | . | . | . |
| 11.483 | 26.8285 | 44.18 | .Q | V. | . | . | . |
| 11.500 | 26.8895 | 44.31 | .Q | V. | . | . | . |
| 11.517 | 26.9507 | 44.45 | .Q | V. | . | . | . |
| 11.533 | 27.0121 | 44.58 | .Q | V. | . | . | . |
| 11.550 | 27.0737 | 44.71 | .Q | V. | . | . | . |
| 11.567 | 27.1355 | 44.85 | .Q | V. | . | . | . |
| 11.583 | 27.1975 | 44.98 | .Q | V. | . | . | . |
| 11.600 | 27.2596 | 45.12 | .Q | V. | . | . | . |
| 11.617 | 27.3219 | 45.25 | .Q | V. | . | . | . |
| 11.633 | 27.3845 | 45.39 | .Q | V. | . | . | . |
| 11.650 | 27.4472 | 45.52 | .Q | V. | . | . | . |
| 11.667 | 27.5100 | 45.61 | .Q | V. | . | . | . |
| 11.683 | 27.5729 | 45.68 | .Q | V. | . | . | . |
| 11.700 | 27.6359 | 45.76 | .Q | V. | . | . | . |
| 11.717 | 27.6990 | 45.83 | .Q | V. | . | . | . |
| 11.733 | 27.7623 | 45.90 | .Q | V. | . | . | . |
| 11.750 | 27.8256 | 45.97 | .Q | V. | . | . | . |
| 11.767 | 27.8890 | 46.05 | .Q | V. | . | . | . |
| 11.783 | 27.9525 | 46.12 | .Q | V. | . | . | . |
| 11.800 | 28.0162 | 46.19 | .Q | V. | . | . | . |
| 11.817 | 28.0799 | 46.27 | .Q | V. | . | . | . |
| 11.833 | 28.1437 | 46.34 | .Q | V. | . | . | . |
| 11.850 | 28.2077 | 46.41 | .Q | V. | . | . | . |
| 11.867 | 28.2717 | 46.48 | .Q | V. | . | . | . |
| 11.883 | 28.3359 | 46.59 | .Q | V. | . | . | . |
| 11.900 | 28.4005 | 46.90 | .Q | V. | . | . | . |
| 11.917 | 28.4655 | 47.24 | .Q | V. | . | . | . |
| 11.933 | 28.5311 | 47.58 | .Q | V. | . | . | . |
| 11.950 | 28.5971 | 47.92 | .Q | V. | . | . | . |
| 11.967 | 28.6635 | 48.26 | .Q | V. | . | . | . |
| 11.983 | 28.7305 | 48.61 | .Q | V. | . | . | . |
| 12.000 | 28.7979 | 48.95 | .Q | V. | . | . | . |
| 12.017 | 28.8658 | 49.29 | .Q | V. | . | . | . |
| 12.033 | 28.9342 | 49.63 | .Q | V. | . | . | . |
| 12.050 | 29.0030 | 49.97 | .Q | V. | . | . | . |
| 12.067 | 29.0723 | 50.31 | .Q | V. | . | . | . |
| 12.083 | 29.1421 | 50.65 | .Q | V. | . | . | . |
| 12.100 | 29.2123 | 51.00 | .Q | V. | . | . | . |
| 12.117 | 29.2832 | 51.50 | .Q | V. | . | . | . |
| 12.133 | 29.3554 | 52.39 | .Q | V | . | . | . |
| 12.150 | 29.4288 | 53.30 | .Q | V | . | . | . |
| 12.167 | 29.5035 | 54.21 | .Q | V | . | . | . |
| 12.183 | 29.5794 | 55.12 | .Q | V | . | . | . |
| 12.200 | 29.6566 | 56.04 | .Q | V | . | . | . |
| 12.217 | 29.7351 | 56.95 | .Q | V | . | . | . |
| 12.233 | 29.8148 | 57.86 | .Q | V | . | . | . |
| 12.250 | 29.8957 | 58.77 | .Q | V | . | . | . |
| 12.267 | 29.9779 | 59.68 | .Q | V | . | . | . |
| 12.283 | 30.0614 | 60.59 | .Q | V | . | . | . |
| 12.300 | 30.1461 | 61.50 | .Q | V | . | . | . |
| 12.317 | 30.2321 | 62.41 | .Q | V | . | . | . |
| 12.333 | 30.3193 | 63.32 | .Q | V | . | . | . |
| 12.350 | 30.4073 | 63.88 | .Q | V | . | . | . |

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|--------|---------|-------|----|----|---|---|---|
| 12.367 | 30.4955 | 64.09 | .Q | V | . | . | . |
| 12.383 | 30.5841 | 64.29 | .Q | V | . | . | . |
| 12.400 | 30.6729 | 64.50 | .Q | V | . | . | . |
| 12.417 | 30.7621 | 64.70 | .Q | V | . | . | . |
| 12.433 | 30.8514 | 64.90 | .Q | V | . | . | . |
| 12.450 | 30.9411 | 65.11 | .Q | V | . | . | . |
| 12.467 | 31.0311 | 65.31 | .Q | V | . | . | . |
| 12.483 | 31.1213 | 65.52 | .Q | V | . | . | . |
| 12.500 | 31.2119 | 65.72 | .Q | V | . | . | . |
| 12.517 | 31.3027 | 65.92 | .Q | V | . | . | . |
| 12.533 | 31.3938 | 66.13 | .Q | V | . | . | . |
| 12.550 | 31.4851 | 66.33 | .Q | V | . | . | . |
| 12.567 | 31.5768 | 66.53 | .Q | V | . | . | . |
| 12.583 | 31.6686 | 66.67 | .Q | V | . | . | . |
| 12.600 | 31.7606 | 66.79 | .Q | V | . | . | . |
| 12.617 | 31.8527 | 66.90 | .Q | V | . | . | . |
| 12.633 | 31.9450 | 67.01 | .Q | V | . | . | . |
| 12.650 | 32.0375 | 67.12 | .Q | V | . | . | . |
| 12.667 | 32.1301 | 67.23 | .Q | V | . | . | . |
| 12.683 | 32.2229 | 67.35 | .Q | V | . | . | . |
| 12.700 | 32.3158 | 67.46 | .Q | .V | . | . | . |
| 12.717 | 32.4089 | 67.57 | .Q | .V | . | . | . |
| 12.733 | 32.5021 | 67.68 | .Q | .V | . | . | . |
| 12.750 | 32.5955 | 67.80 | .Q | .V | . | . | . |
| 12.767 | 32.6890 | 67.91 | .Q | .V | . | . | . |
| 12.783 | 32.7827 | 68.02 | .Q | .V | . | . | . |
| 12.800 | 32.8766 | 68.15 | .Q | .V | . | . | . |
| 12.817 | 32.9708 | 68.38 | .Q | .V | . | . | . |
| 12.833 | 33.0653 | 68.63 | .Q | .V | . | . | . |
| 12.850 | 33.1602 | 68.88 | .Q | .V | . | . | . |
| 12.867 | 33.2554 | 69.13 | .Q | .V | . | . | . |
| 12.883 | 33.3510 | 69.38 | .Q | .V | . | . | . |
| 12.900 | 33.4469 | 69.63 | .Q | .V | . | . | . |
| 12.917 | 33.5431 | 69.88 | .Q | .V | . | . | . |
| 12.933 | 33.6397 | 70.13 | .Q | .V | . | . | . |
| 12.950 | 33.7367 | 70.38 | .Q | .V | . | . | . |
| 12.967 | 33.8340 | 70.63 | .Q | .V | . | . | . |
| 12.983 | 33.9316 | 70.88 | .Q | .V | . | . | . |
| 13.000 | 34.0296 | 71.13 | .Q | .V | . | . | . |
| 13.017 | 34.1279 | 71.38 | .Q | .V | . | . | . |
| 13.033 | 34.2265 | 71.59 | .Q | .V | . | . | . |
| 13.050 | 34.3253 | 71.74 | .Q | .V | . | . | . |
| 13.067 | 34.4243 | 71.88 | .Q | .V | . | . | . |
| 13.083 | 34.5235 | 72.02 | .Q | .V | . | . | . |
| 13.100 | 34.6229 | 72.15 | .Q | .V | . | . | . |
| 13.117 | 34.7225 | 72.29 | .Q | .V | . | . | . |
| 13.133 | 34.8222 | 72.43 | .Q | .V | . | . | . |
| 13.150 | 34.9222 | 72.57 | .Q | .V | . | . | . |
| 13.167 | 35.0223 | 72.71 | .Q | .V | . | . | . |
| 13.183 | 35.1227 | 72.85 | .Q | .V | . | . | . |
| 13.200 | 35.2232 | 72.99 | .Q | .V | . | . | . |
| 13.217 | 35.3239 | 73.13 | .Q | .V | . | . | . |
| 13.233 | 35.4249 | 73.27 | .Q | .V | . | . | . |
| 13.250 | 35.5260 | 73.41 | .Q | .V | . | . | . |
| 13.267 | 35.6274 | 73.63 | .Q | .V | . | . | . |
| 13.283 | 35.7293 | 73.95 | .Q | .V | . | . | . |
| 13.300 | 35.8316 | 74.26 | .Q | .V | . | . | . |
| 13.317 | 35.9343 | 74.58 | .Q | .V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 13.333 | 36.0374 | 74.89 | . Q | . V | . | . | . |
| 13.350 | 36.1410 | 75.20 | . Q | . V | . | . | . |
| 13.367 | 36.2450 | 75.52 | . Q | . V | . | . | . |
| 13.383 | 36.3495 | 75.83 | . Q | . V | . | . | . |
| 13.400 | 36.4544 | 76.15 | . Q | . V | . | . | . |
| 13.417 | 36.5597 | 76.46 | . Q | . V | . | . | . |
| 13.433 | 36.6654 | 76.77 | . Q | . V | . | . | . |
| 13.450 | 36.7716 | 77.09 | . Q | . V | . | . | . |
| 13.467 | 36.8782 | 77.40 | . Q | . V | . | . | . |
| 13.483 | 36.9853 | 77.71 | . Q | . V | . | . | . |
| 13.500 | 37.0926 | 77.93 | . Q | . V | . | . | . |
| 13.517 | 37.2002 | 78.11 | . Q | . V | . | . | . |
| 13.533 | 37.3080 | 78.28 | . Q | . V | . | . | . |
| 13.550 | 37.4161 | 78.46 | . Q | . V | . | . | . |
| 13.567 | 37.5244 | 78.64 | . Q | . V | . | . | . |
| 13.583 | 37.6330 | 78.82 | . Q | . V | . | . | . |
| 13.600 | 37.7418 | 79.00 | . Q | . V | . | . | . |
| 13.617 | 37.8508 | 79.18 | . Q | . V | . | . | . |
| 13.633 | 37.9601 | 79.35 | . Q | . V | . | . | . |
| 13.650 | 38.0697 | 79.53 | . Q | . V | . | . | . |
| 13.667 | 38.1795 | 79.71 | . Q | . V | . | . | . |
| 13.683 | 38.2895 | 79.89 | . Q | . V | . | . | . |
| 13.700 | 38.3998 | 80.07 | . Q | . V | . | . | . |
| 13.717 | 38.5104 | 80.28 | . Q | . V | . | . | . |
| 13.733 | 38.6215 | 80.66 | . Q | . V | . | . | . |
| 13.750 | 38.7332 | 81.07 | . Q | . V | . | . | . |
| 13.767 | 38.8454 | 81.48 | . Q | . V | . | . | . |
| 13.783 | 38.9582 | 81.89 | . Q | . V | . | . | . |
| 13.800 | 39.0716 | 82.31 | . Q | . V | . | . | . |
| 13.817 | 39.1855 | 82.72 | . Q | . V | . | . | . |
| 13.833 | 39.3000 | 83.13 | . Q | . V | . | . | . |
| 13.850 | 39.4151 | 83.54 | . Q | . V | . | . | . |
| 13.867 | 39.5307 | 83.95 | . Q | . V | . | . | . |
| 13.883 | 39.6469 | 84.36 | . Q | . V | . | . | . |
| 13.900 | 39.7637 | 84.78 | . Q | . V | . | . | . |
| 13.917 | 39.8810 | 85.19 | . Q | . V | . | . | . |
| 13.933 | 39.9989 | 85.60 | . Q | . V | . | . | . |
| 13.950 | 40.1173 | 85.96 | . Q | . V | . | . | . |
| 13.967 | 40.2361 | 86.21 | . Q | . V | . | . | . |
| 13.983 | 40.3551 | 86.45 | . Q | . V | . | . | . |
| 14.000 | 40.4745 | 86.69 | . Q | . V | . | . | . |
| 14.017 | 40.5943 | 86.92 | . Q | . V | . | . | . |
| 14.033 | 40.7143 | 87.16 | . Q | . V | . | . | . |
| 14.050 | 40.8347 | 87.40 | . Q | . V | . | . | . |
| 14.067 | 40.9554 | 87.64 | . Q | . V | . | . | . |
| 14.083 | 41.0765 | 87.88 | . Q | . V | . | . | . |
| 14.100 | 41.1979 | 88.12 | . Q | . V | . | . | . |
| 14.117 | 41.3196 | 88.36 | . Q | . V | . | . | . |
| 14.133 | 41.4416 | 88.60 | . Q | . V | . | . | . |
| 14.150 | 41.5640 | 88.84 | . Q | . V | . | . | . |
| 14.167 | 41.6867 | 89.08 | . Q | . V | . | . | . |
| 14.183 | 41.8099 | 89.48 | . Q | . V | . | . | . |
| 14.200 | 41.9339 | 90.04 | . Q | . V | . | . | . |
| 14.217 | 42.0587 | 90.60 | . Q | . V | . | . | . |
| 14.233 | 42.1843 | 91.16 | . Q | . V | . | . | . |
| 14.250 | 42.3106 | 91.73 | . Q | . V | . | . | . |
| 14.267 | 42.4378 | 92.29 | . Q | . V | . | . | . |
| 14.283 | 42.5657 | 92.85 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|--------|-----|-----|---|---|---|
| 14.300 | 42.6943 | 93.41 | . Q | . V | . | . | . |
| 14.317 | 42.8238 | 93.98 | . Q | . V | . | . | . |
| 14.333 | 42.9540 | 94.54 | . Q | . V | . | . | . |
| 14.350 | 43.0850 | 95.10 | . Q | . V | . | . | . |
| 14.367 | 43.2168 | 95.66 | . Q | . V | . | . | . |
| 14.383 | 43.3493 | 96.23 | . Q | . V | . | . | . |
| 14.400 | 43.4826 | 96.78 | . Q | . V | . | . | . |
| 14.417 | 43.6165 | 97.19 | . Q | . V | . | . | . |
| 14.433 | 43.7508 | 97.54 | . Q | . V | . | . | . |
| 14.450 | 43.8857 | 97.89 | . Q | . V | . | . | . |
| 14.467 | 44.0210 | 98.23 | . Q | . V | . | . | . |
| 14.483 | 44.1568 | 98.58 | . Q | . V | . | . | . |
| 14.500 | 44.2930 | 98.93 | . Q | . V | . | . | . |
| 14.517 | 44.4298 | 99.28 | . Q | . V | . | . | . |
| 14.533 | 44.5670 | 99.62 | . Q | . V | . | . | . |
| 14.550 | 44.7047 | 99.97 | . Q | . V | . | . | . |
| 14.567 | 44.8429 | 100.32 | . Q | . V | . | . | . |
| 14.583 | 44.9815 | 100.66 | . Q | . V | . | . | . |
| 14.600 | 45.1207 | 101.01 | . Q | . V | . | . | . |
| 14.617 | 45.2603 | 101.36 | . Q | . V | . | . | . |
| 14.633 | 45.4005 | 101.77 | . Q | . V | . | . | . |
| 14.650 | 45.5418 | 102.58 | . Q | . V | . | . | . |
| 14.667 | 45.6843 | 103.46 | . Q | . V | . | . | . |
| 14.683 | 45.8280 | 104.33 | . Q | . V | . | . | . |
| 14.700 | 45.9729 | 105.21 | . Q | . V | . | . | . |
| 14.717 | 46.1190 | 106.08 | . Q | . V | . | . | . |
| 14.733 | 46.2663 | 106.96 | . Q | . V | . | . | . |
| 14.750 | 46.4148 | 107.83 | . Q | . V | . | . | . |
| 14.767 | 46.5646 | 108.70 | . Q | . V | . | . | . |
| 14.783 | 46.7155 | 109.58 | . Q | . V | . | . | . |
| 14.800 | 46.8676 | 110.45 | . Q | . V | . | . | . |
| 14.817 | 47.0210 | 111.33 | . Q | . V | . | . | . |
| 14.833 | 47.1755 | 112.20 | . Q | . V | . | . | . |
| 14.850 | 47.3313 | 113.08 | . Q | . V | . | . | . |
| 14.867 | 47.4881 | 113.87 | . Q | . V | . | . | . |
| 14.883 | 47.6458 | 114.44 | . Q | . V | . | . | . |
| 14.900 | 47.8042 | 115.01 | . Q | . V | . | . | . |
| 14.917 | 47.9634 | 115.58 | . Q | . V | . | . | . |
| 14.933 | 48.1234 | 116.14 | . Q | . V | . | . | . |
| 14.950 | 48.2841 | 116.71 | . Q | . V | . | . | . |
| 14.967 | 48.4457 | 117.28 | . Q | . V | . | . | . |
| 14.983 | 48.6080 | 117.84 | . Q | . V | . | . | . |
| 15.000 | 48.7711 | 118.41 | . Q | . V | . | . | . |
| 15.017 | 48.9349 | 118.97 | . Q | . V | . | . | . |
| 15.033 | 49.0996 | 119.54 | . Q | . V | . | . | . |
| 15.050 | 49.2650 | 120.11 | . Q | . V | . | . | . |
| 15.067 | 49.4313 | 120.67 | . Q | . V | . | . | . |
| 15.083 | 49.5982 | 121.24 | . Q | . V | . | . | . |
| 15.100 | 49.7668 | 122.33 | . Q | . V | . | . | . |
| 15.117 | 49.9375 | 123.95 | . Q | . V | . | . | . |
| 15.133 | 50.1104 | 125.57 | . Q | . V | . | . | . |
| 15.150 | 50.2856 | 127.18 | . Q | . V | . | . | . |
| 15.167 | 50.4630 | 128.80 | . Q | . V | . | . | . |
| 15.183 | 50.6427 | 130.42 | . Q | . V | . | . | . |
| 15.200 | 50.8245 | 132.03 | . Q | . V | . | . | . |
| 15.217 | 51.0086 | 133.65 | . Q | . V | . | . | . |
| 15.233 | 51.1949 | 135.27 | . Q | . V | . | . | . |
| 15.250 | 51.3835 | 136.88 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|---------|---|----|-----|---|----|---|---|
| 15.267 | 51.5743 | 138.50 | . | Q | . | V | . | . | . |
| 15.283 | 51.7673 | 140.12 | . | Q | . | V | . | . | . |
| 15.300 | 51.9625 | 141.74 | . | Q | . | V | . | . | . |
| 15.317 | 52.1599 | 143.33 | . | Q | . | V | . | . | . |
| 15.333 | 52.3588 | 144.37 | . | Q | . | V | . | . | . |
| 15.350 | 52.5587 | 145.18 | . | Q | . | V | . | . | . |
| 15.367 | 52.7598 | 145.99 | . | Q | . | V | . | . | . |
| 15.383 | 52.9620 | 146.80 | . | Q | . | V | . | . | . |
| 15.400 | 53.1653 | 147.61 | . | Q | . | V | . | . | . |
| 15.417 | 53.3698 | 148.43 | . | Q | . | V | . | . | . |
| 15.433 | 53.5754 | 149.24 | . | Q | . | V | . | . | . |
| 15.450 | 53.7820 | 150.05 | . | Q | . | V | . | . | . |
| 15.467 | 53.9898 | 150.86 | . | Q | . | V | . | . | . |
| 15.483 | 54.1987 | 151.67 | . | Q | . | V | . | . | . |
| 15.500 | 54.4088 | 152.48 | . | Q | . | V | . | . | . |
| 15.517 | 54.6199 | 153.30 | . | Q | . | V | . | . | . |
| 15.533 | 54.8322 | 154.11 | . | Q | . | V | . | . | . |
| 15.550 | 55.0463 | 155.42 | . | Q | . | V | . | . | . |
| 15.567 | 55.2662 | 159.69 | . | Q | . | V | . | . | . |
| 15.583 | 55.4927 | 164.45 | . | Q | . | V | . | . | . |
| 15.600 | 55.7258 | 169.22 | . | Q | . | V | . | . | . |
| 15.617 | 55.9655 | 173.99 | . | Q | . | V | . | . | . |
| 15.633 | 56.2117 | 178.75 | . | Q | . | V | . | . | . |
| 15.650 | 56.4645 | 183.52 | . | Q | . | V | . | . | . |
| 15.667 | 56.7238 | 188.29 | . | Q | . | V | . | . | . |
| 15.683 | 56.9897 | 193.05 | . | Q | . | V | . | . | . |
| 15.700 | 57.2622 | 197.82 | . | Q | . | V | . | . | . |
| 15.717 | 57.5413 | 202.59 | . | Q | . | V | . | . | . |
| 15.733 | 57.8269 | 207.35 | . | Q | . | V | . | . | . |
| 15.750 | 58.1191 | 212.12 | . | Q | . | V | . | . | . |
| 15.767 | 58.4178 | 216.89 | . | Q | . | V | . | . | . |
| 15.783 | 58.7246 | 222.73 | . | Q | . | V | . | . | . |
| 15.800 | 59.0430 | 231.20 | . | Q | . | V | . | . | . |
| 15.817 | 59.3733 | 239.79 | . | Q | . | V | . | . | . |
| 15.833 | 59.7154 | 248.37 | . | Q | . | V | . | . | . |
| 15.850 | 60.0694 | 256.96 | . | Q | . | V | . | . | . |
| 15.867 | 60.4352 | 265.55 | . | Q | . | V | . | . | . |
| 15.883 | 60.8128 | 274.14 | . | Q | . | V | . | . | . |
| 15.900 | 61.2022 | 282.73 | . | Q | . | V | . | . | . |
| 15.917 | 61.6035 | 291.32 | . | Q | . | V | . | . | . |
| 15.933 | 62.0165 | 299.91 | . | .Q | . | V | . | . | . |
| 15.950 | 62.4415 | 308.49 | . | .Q | . | V | . | . | . |
| 15.967 | 62.8782 | 317.08 | . | .Q | . | V | . | . | . |
| 15.983 | 63.3268 | 325.67 | . | .Q | . | V | . | . | . |
| 16.000 | 63.7872 | 334.26 | . | .Q | . | V | . | . | . |
| 16.017 | 64.2910 | 365.74 | . | .Q | . | V | . | . | . |
| 16.033 | 64.8696 | 420.10 | . | . | Q | . | V | . | . |
| 16.050 | 65.5232 | 474.47 | . | . | Q | . | V | . | . |
| 16.067 | 66.2516 | 528.84 | . | . | Q | . | V | . | . |
| 16.083 | 67.0549 | 583.21 | . | . | .QV | . | . | . | . |
| 16.100 | 67.9331 | 637.57 | . | . | . | Q | . | . | . |
| 16.117 | 68.8862 | 691.94 | . | . | . | V | Q | . | . |
| 16.133 | 69.9142 | 746.31 | . | . | . | V | Q | . | . |
| 16.150 | 71.0170 | 800.67 | . | . | . | V | Q | . | . |
| 16.167 | 72.1948 | 855.04 | . | . | . | V | .Q | . | . |
| 16.183 | 73.4474 | 909.41 | . | . | . | V | Q | . | . |
| 16.200 | 74.7749 | 963.78 | . | . | . | V | Q | . | . |
| 16.217 | 76.1773 | 1018.14 | . | . | . | V | Q | . | . |

| | | | | | | | | | |
|--------|---------|---------|---|---|----|---|---|---|---|
| 16.233 | 77.6733 | 1086.10 | . | . | . | V | . | Q | . |
| 16.250 | 79.1002 | 1035.93 | . | . | . | V | . | Q | . |
| 16.267 | 80.4350 | 969.03 | . | . | . | V | . | Q | . |
| 16.283 | 81.6776 | 902.14 | . | . | . | V | . | Q | . |
| 16.300 | 82.8281 | 835.25 | . | . | . | V | Q | . | . |
| 16.317 | 83.8864 | 768.35 | . | . | . | Q | . | . | . |
| 16.333 | 84.8526 | 701.46 | . | . | . | Q | Q | V | . |
| 16.350 | 85.7267 | 634.56 | . | . | . | Q | . | V | . |
| 16.367 | 86.5086 | 567.67 | . | . | . | Q | . | V | . |
| 16.383 | 87.1984 | 500.78 | . | . | Q | . | . | V | . |
| 16.400 | 87.7960 | 433.89 | . | . | Q | . | . | V | . |
| 16.417 | 88.3015 | 366.99 | . | . | Q | . | . | V | . |
| 16.433 | 88.7149 | 300.10 | . | . | .Q | . | . | V | . |
| 16.450 | 89.0361 | 233.20 | . | . | Q | . | . | V | . |
| 16.467 | 89.2762 | 174.35 | . | Q | . | . | . | V | . |
| 16.483 | 89.5018 | 163.75 | . | Q | . | . | . | V | . |
| 16.500 | 89.7238 | 161.19 | . | Q | . | . | . | V | . |
| 16.517 | 89.9423 | 158.62 | . | Q | . | . | . | V | . |
| 16.533 | 90.1572 | 156.06 | . | Q | . | . | . | V | . |
| 16.550 | 90.3687 | 153.50 | . | Q | . | . | . | V | . |
| 16.567 | 90.5766 | 150.94 | . | Q | . | . | . | V | . |
| 16.583 | 90.7810 | 148.38 | . | Q | . | . | . | V | . |
| 16.600 | 90.9818 | 145.82 | . | Q | . | . | . | V | . |
| 16.617 | 91.1791 | 143.26 | . | Q | . | . | . | V | . |
| 16.633 | 91.3729 | 140.70 | . | Q | . | . | . | V | . |
| 16.650 | 91.5632 | 138.13 | . | Q | . | . | . | V | . |
| 16.667 | 91.7499 | 135.57 | . | Q | . | . | . | V | . |
| 16.683 | 91.9332 | 133.01 | . | Q | . | . | . | V | . |
| 16.700 | 92.1132 | 130.68 | . | Q | . | . | . | V | . |
| 16.717 | 92.2907 | 128.92 | . | Q | . | . | . | V | . |
| 16.733 | 92.4659 | 127.19 | . | Q | . | . | . | V | . |
| 16.750 | 92.6387 | 125.45 | . | Q | . | . | . | V | . |
| 16.767 | 92.8091 | 123.72 | . | Q | . | . | . | V | . |
| 16.783 | 92.9772 | 121.98 | . | Q | . | . | . | V | . |
| 16.800 | 93.1428 | 120.25 | . | Q | . | . | . | V | . |
| 16.817 | 93.3060 | 118.51 | . | Q | . | . | . | V | . |
| 16.833 | 93.4669 | 116.78 | . | Q | . | . | . | V | . |
| 16.850 | 93.6253 | 115.04 | . | Q | . | . | . | V | . |
| 16.867 | 93.7814 | 113.31 | . | Q | . | . | . | V | . |
| 16.883 | 93.9351 | 111.57 | . | Q | . | . | . | V | . |
| 16.900 | 94.0864 | 109.84 | . | Q | . | . | . | V | . |
| 16.917 | 94.2353 | 108.10 | . | Q | . | . | . | V | . |
| 16.933 | 94.3823 | 106.71 | . | Q | . | . | . | V | . |
| 16.950 | 94.5278 | 105.66 | . | Q | . | . | . | V | . |
| 16.967 | 94.6719 | 104.60 | . | Q | . | . | . | V | . |
| 16.983 | 94.8145 | 103.55 | . | Q | . | . | . | V | . |
| 17.000 | 94.9557 | 102.49 | . | Q | . | . | . | V | . |
| 17.017 | 95.0954 | 101.44 | . | Q | . | . | . | V | . |
| 17.033 | 95.2337 | 100.39 | . | Q | . | . | . | V | . |
| 17.050 | 95.3705 | 99.33 | . | Q | . | . | . | V | . |
| 17.067 | 95.5059 | 98.28 | . | Q | . | . | . | V | . |
| 17.083 | 95.6398 | 97.23 | . | Q | . | . | . | V | . |
| 17.100 | 95.7723 | 96.17 | . | Q | . | . | . | V | . |
| 17.117 | 95.9033 | 95.12 | . | Q | . | . | . | V | . |
| 17.133 | 96.0329 | 94.07 | . | Q | . | . | . | V | . |
| 17.150 | 96.1610 | 93.02 | . | Q | . | . | . | V | . |
| 17.167 | 96.2880 | 92.22 | . | Q | . | . | . | V | . |
| 17.183 | 96.4140 | 91.50 | . | Q | . | . | . | V | . |

| | | | | | | | |
|--------|----------|-------|-----|---|---|-----|---|
| 17.200 | 96.5391 | 90.79 | . Q | . | . | . V | . |
| 17.217 | 96.6632 | 90.07 | . Q | . | . | . V | . |
| 17.233 | 96.7863 | 89.36 | . Q | . | . | . V | . |
| 17.250 | 96.9084 | 88.65 | . Q | . | . | . V | . |
| 17.267 | 97.0295 | 87.93 | . Q | . | . | . V | . |
| 17.283 | 97.1496 | 87.22 | . Q | . | . | . V | . |
| 17.300 | 97.2688 | 86.51 | . Q | . | . | . V | . |
| 17.317 | 97.3869 | 85.79 | . Q | . | . | . V | . |
| 17.333 | 97.5041 | 85.08 | . Q | . | . | . V | . |
| 17.350 | 97.6203 | 84.36 | . Q | . | . | . V | . |
| 17.367 | 97.7355 | 83.65 | . Q | . | . | . V | . |
| 17.383 | 97.8498 | 82.96 | . Q | . | . | . V | . |
| 17.400 | 97.9633 | 82.40 | . Q | . | . | . V | . |
| 17.417 | 98.0761 | 81.86 | . Q | . | . | . V | . |
| 17.433 | 98.1881 | 81.32 | . Q | . | . | . V | . |
| 17.450 | 98.2994 | 80.79 | . Q | . | . | . V | . |
| 17.467 | 98.4099 | 80.25 | . Q | . | . | . V | . |
| 17.483 | 98.5197 | 79.71 | . Q | . | . | . V | . |
| 17.500 | 98.6287 | 79.17 | . Q | . | . | . V | . |
| 17.517 | 98.7371 | 78.64 | . Q | . | . | . V | . |
| 17.533 | 98.8446 | 78.10 | . Q | . | . | . V | . |
| 17.550 | 98.9515 | 77.56 | . Q | . | . | . V | . |
| 17.567 | 99.0576 | 77.02 | . Q | . | . | . V | . |
| 17.583 | 99.1629 | 76.49 | . Q | . | . | . V | . |
| 17.600 | 99.2675 | 75.95 | . Q | . | . | . V | . |
| 17.617 | 99.3714 | 75.44 | . Q | . | . | . V | . |
| 17.633 | 99.4748 | 75.02 | . Q | . | . | . V | . |
| 17.650 | 99.5775 | 74.60 | . Q | . | . | . V | . |
| 17.667 | 99.6797 | 74.18 | . Q | . | . | . V | . |
| 17.683 | 99.7813 | 73.77 | . Q | . | . | . V | . |
| 17.700 | 99.8824 | 73.35 | . Q | . | . | . V | . |
| 17.717 | 99.9828 | 72.93 | . Q | . | . | . V | . |
| 17.733 | 100.0827 | 72.51 | . Q | . | . | . V | . |
| 17.750 | 100.1820 | 72.09 | . Q | . | . | . V | . |
| 17.767 | 100.2807 | 71.67 | . Q | . | . | . V | . |
| 17.783 | 100.3789 | 71.25 | . Q | . | . | . V | . |
| 17.800 | 100.4764 | 70.84 | . Q | . | . | . V | . |
| 17.817 | 100.5734 | 70.42 | . Q | . | . | . V | . |
| 17.833 | 100.6698 | 70.00 | . Q | . | . | . V | . |
| 17.850 | 100.7657 | 69.62 | . Q | . | . | . V | . |
| 17.867 | 100.8612 | 69.28 | . Q | . | . | . V | . |
| 17.883 | 100.9561 | 68.94 | . Q | . | . | . V | . |
| 17.900 | 101.0506 | 68.61 | . Q | . | . | . V | . |
| 17.917 | 101.1446 | 68.27 | . Q | . | . | . V | . |
| 17.933 | 101.2382 | 67.93 | . Q | . | . | . V | . |
| 17.950 | 101.3313 | 67.59 | . Q | . | . | . V | . |
| 17.967 | 101.4240 | 67.25 | . Q | . | . | . V | . |
| 17.983 | 101.5161 | 66.92 | . Q | . | . | . V | . |
| 18.000 | 101.6078 | 66.58 | . Q | . | . | . V | . |
| 18.017 | 101.6991 | 66.24 | . Q | . | . | . V | . |
| 18.033 | 101.7898 | 65.90 | . Q | . | . | . V | . |
| 18.050 | 101.8801 | 65.56 | . Q | . | . | . V | . |
| 18.067 | 101.9700 | 65.20 | . Q | . | . | . V | . |
| 18.083 | 102.0584 | 64.19 | . Q | . | . | . V | . |
| 18.100 | 102.1450 | 62.91 | . Q | . | . | . V | . |
| 18.117 | 102.2299 | 61.64 | . Q | . | . | . V | . |
| 18.133 | 102.3131 | 60.36 | . Q | . | . | . V | . |
| 18.150 | 102.3945 | 59.09 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|----------|-------|-----|---|---|-----|---|
| 18.167 | 102.4741 | 57.81 | . Q | . | . | . V | . |
| 18.183 | 102.5520 | 56.54 | . Q | . | . | . V | . |
| 18.200 | 102.6281 | 55.26 | . Q | . | . | . V | . |
| 18.217 | 102.7025 | 53.99 | . Q | . | . | . V | . |
| 18.233 | 102.7751 | 52.72 | . Q | . | . | . V | . |
| 18.250 | 102.8459 | 51.44 | . Q | . | . | . V | . |
| 18.267 | 102.9150 | 50.17 | . Q | . | . | . V | . |
| 18.283 | 102.9824 | 48.89 | . Q | . | . | . V | . |
| 18.300 | 103.0481 | 47.75 | . Q | . | . | . V | . |
| 18.317 | 103.1134 | 47.40 | . Q | . | . | . V | . |
| 18.333 | 103.1784 | 47.18 | . Q | . | . | . V | . |
| 18.350 | 103.2431 | 46.96 | . Q | . | . | . V | . |
| 18.367 | 103.3075 | 46.74 | . Q | . | . | . V | . |
| 18.383 | 103.3716 | 46.52 | . Q | . | . | . V | . |
| 18.400 | 103.4353 | 46.30 | . Q | . | . | . V | . |
| 18.417 | 103.4988 | 46.08 | . Q | . | . | . V | . |
| 18.433 | 103.5620 | 45.87 | . Q | . | . | . V | . |
| 18.450 | 103.6249 | 45.65 | . Q | . | . | . V | . |
| 18.467 | 103.6874 | 45.43 | . Q | . | . | . V | . |
| 18.483 | 103.7497 | 45.21 | . Q | . | . | . V | . |
| 18.500 | 103.8117 | 44.99 | . Q | . | . | . V | . |
| 18.517 | 103.8733 | 44.77 | . Q | . | . | . V | . |
| 18.533 | 103.9347 | 44.56 | . Q | . | . | . V | . |
| 18.550 | 103.9958 | 44.37 | . Q | . | . | . V | . |
| 18.567 | 104.0567 | 44.19 | . Q | . | . | . V | . |
| 18.583 | 104.1173 | 44.00 | . Q | . | . | . V | . |
| 18.600 | 104.1777 | 43.81 | . Q | . | . | . V | . |
| 18.617 | 104.2377 | 43.63 | . Q | . | . | . V | . |
| 18.633 | 104.2976 | 43.44 | . Q | . | . | . V | . |
| 18.650 | 104.3572 | 43.25 | . Q | . | . | . V | . |
| 18.667 | 104.4165 | 43.07 | . Q | . | . | . V | . |
| 18.683 | 104.4755 | 42.88 | . Q | . | . | . V | . |
| 18.700 | 104.5344 | 42.69 | . Q | . | . | . V | . |
| 18.717 | 104.5929 | 42.51 | . Q | . | . | . V | . |
| 18.733 | 104.6512 | 42.32 | . Q | . | . | . V | . |
| 18.750 | 104.7092 | 42.14 | . Q | . | . | . V | . |
| 18.767 | 104.7670 | 41.96 | . Q | . | . | . V | . |
| 18.783 | 104.8246 | 41.80 | . Q | . | . | . V | . |
| 18.800 | 104.8820 | 41.64 | . Q | . | . | . V | . |
| 18.817 | 104.9391 | 41.48 | . Q | . | . | . V | . |
| 18.833 | 104.9960 | 41.32 | . Q | . | . | . V | . |
| 18.850 | 105.0527 | 41.16 | . Q | . | . | . V | . |
| 18.867 | 105.1092 | 40.99 | . Q | . | . | . V | . |
| 18.883 | 105.1654 | 40.83 | . Q | . | . | . V | . |
| 18.900 | 105.2214 | 40.67 | . Q | . | . | . V | . |
| 18.917 | 105.2772 | 40.51 | . Q | . | . | . V | . |
| 18.933 | 105.3328 | 40.35 | . Q | . | . | . V | . |
| 18.950 | 105.3882 | 40.19 | . Q | . | . | . V | . |
| 18.967 | 105.4433 | 40.03 | . Q | . | . | . V | . |
| 18.983 | 105.4982 | 39.87 | . Q | . | . | . V | . |
| 19.000 | 105.5529 | 39.72 | . Q | . | . | . V | . |
| 19.017 | 105.6075 | 39.58 | . Q | . | . | . V | . |
| 19.033 | 105.6618 | 39.44 | . Q | . | . | . V | . |
| 19.050 | 105.7159 | 39.30 | . Q | . | . | . V | . |
| 19.067 | 105.7699 | 39.16 | . Q | . | . | . V | . |
| 19.083 | 105.8236 | 39.02 | . Q | . | . | . V | . |
| 19.100 | 105.8771 | 38.88 | . Q | . | . | . V | . |
| 19.117 | 105.9305 | 38.74 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 19.133 | 105.9837 | 38.60 | .Q | . | . | . | V | . |
| 19.150 | 106.0366 | 38.45 | .Q | . | . | . | V | . |
| 19.167 | 106.0894 | 38.31 | .Q | . | . | . | V | . |
| 19.183 | 106.1420 | 38.17 | .Q | . | . | . | V | . |
| 19.200 | 106.1944 | 38.03 | .Q | . | . | . | V | . |
| 19.217 | 106.2466 | 37.89 | .Q | . | . | . | V | . |
| 19.233 | 106.2986 | 37.77 | .Q | . | . | . | V | . |
| 19.250 | 106.3504 | 37.64 | .Q | . | . | . | V | . |
| 19.267 | 106.4021 | 37.52 | .Q | . | . | . | V | . |
| 19.283 | 106.4536 | 37.39 | .Q | . | . | . | V | . |
| 19.300 | 106.5050 | 37.27 | .Q | . | . | . | V | . |
| 19.317 | 106.5561 | 37.14 | .Q | . | . | . | V | . |
| 19.333 | 106.6071 | 37.02 | .Q | . | . | . | V | . |
| 19.350 | 106.6579 | 36.90 | .Q | . | . | . | V | . |
| 19.367 | 106.7086 | 36.77 | .Q | . | . | . | V | . |
| 19.383 | 106.7591 | 36.65 | .Q | . | . | . | V | . |
| 19.400 | 106.8094 | 36.52 | .Q | . | . | . | V | . |
| 19.417 | 106.8595 | 36.40 | .Q | . | . | . | V | . |
| 19.433 | 106.9095 | 36.27 | .Q | . | . | . | V | . |
| 19.450 | 106.9593 | 36.15 | .Q | . | . | . | V | . |
| 19.467 | 107.0089 | 36.04 | .Q | . | . | . | V | . |
| 19.483 | 107.0584 | 35.93 | .Q | . | . | . | V | . |
| 19.500 | 107.1077 | 35.82 | .Q | . | . | . | V | . |
| 19.517 | 107.1569 | 35.71 | .Q | . | . | . | V | . |
| 19.533 | 107.2060 | 35.60 | .Q | . | . | . | V | . |
| 19.550 | 107.2548 | 35.49 | .Q | . | . | . | V | . |
| 19.567 | 107.3036 | 35.38 | .Q | . | . | . | V | . |
| 19.583 | 107.3521 | 35.27 | .Q | . | . | . | V | . |
| 19.600 | 107.4006 | 35.16 | .Q | . | . | . | V | . |
| 19.617 | 107.4488 | 35.04 | .Q | . | . | . | V | . |
| 19.633 | 107.4970 | 34.93 | .Q | . | . | . | V | . |
| 19.650 | 107.5449 | 34.82 | .Q | . | . | . | V | . |
| 19.667 | 107.5927 | 34.71 | .Q | . | . | . | V | . |
| 19.683 | 107.6404 | 34.61 | .Q | . | . | . | V | . |
| 19.700 | 107.6879 | 34.51 | .Q | . | . | . | V | . |
| 19.717 | 107.7353 | 34.41 | .Q | . | . | . | V | . |
| 19.733 | 107.7826 | 34.31 | .Q | . | . | . | V | . |
| 19.750 | 107.8297 | 34.21 | .Q | . | . | . | V | . |
| 19.767 | 107.8767 | 34.11 | .Q | . | . | . | V | . |
| 19.783 | 107.9235 | 34.01 | .Q | . | . | . | V | . |
| 19.800 | 107.9702 | 33.91 | .Q | . | . | . | V | . |
| 19.817 | 108.0168 | 33.81 | .Q | . | . | . | V | . |
| 19.833 | 108.0632 | 33.71 | .Q | . | . | . | V | . |
| 19.850 | 108.1095 | 33.61 | .Q | . | . | . | V | . |
| 19.867 | 108.1557 | 33.51 | .Q | . | . | . | V | . |
| 19.883 | 108.2017 | 33.41 | .Q | . | . | . | V | . |
| 19.900 | 108.2476 | 33.31 | .Q | . | . | . | V | . |
| 19.917 | 108.2934 | 33.22 | .Q | . | . | . | V | . |
| 19.933 | 108.3390 | 33.13 | .Q | . | . | . | V | . |
| 19.950 | 108.3845 | 33.04 | .Q | . | . | . | V | . |
| 19.967 | 108.4299 | 32.95 | .Q | . | . | . | V | . |
| 19.983 | 108.4752 | 32.86 | .Q | . | . | . | V | . |
| 20.000 | 108.5203 | 32.77 | .Q | . | . | . | V | . |
| 20.017 | 108.5653 | 32.68 | .Q | . | . | . | V | . |
| 20.033 | 108.6102 | 32.59 | .Q | . | . | . | V | . |
| 20.050 | 108.6550 | 32.50 | .Q | . | . | . | V | . |
| 20.067 | 108.6996 | 32.41 | .Q | . | . | . | V | . |
| 20.083 | 108.7441 | 32.32 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 20.100 | 108.7885 | 32.23 | .Q | . | . | . | V | . |
| 20.117 | 108.8328 | 32.14 | .Q | . | . | . | V | . |
| 20.133 | 108.8769 | 32.05 | .Q | . | . | . | V | . |
| 20.150 | 108.9210 | 31.97 | .Q | . | . | . | V | . |
| 20.167 | 108.9649 | 31.89 | .Q | . | . | . | V | . |
| 20.183 | 109.0087 | 31.81 | .Q | . | . | . | V | . |
| 20.200 | 109.0524 | 31.72 | .Q | . | . | . | V | . |
| 20.217 | 109.0960 | 31.64 | .Q | . | . | . | V | . |
| 20.233 | 109.1395 | 31.56 | .Q | . | . | . | V | . |
| 20.250 | 109.1828 | 31.48 | .Q | . | . | . | V | . |
| 20.267 | 109.2261 | 31.40 | .Q | . | . | . | V | . |
| 20.283 | 109.2692 | 31.31 | .Q | . | . | . | V | . |
| 20.300 | 109.3122 | 31.23 | .Q | . | . | . | V | . |
| 20.317 | 109.3551 | 31.15 | .Q | . | . | . | V | . |
| 20.333 | 109.3979 | 31.07 | .Q | . | . | . | V | . |
| 20.350 | 109.4406 | 30.99 | .Q | . | . | . | V | . |
| 20.367 | 109.4832 | 30.91 | .Q | . | . | . | V | . |
| 20.383 | 109.5256 | 30.83 | .Q | . | . | . | V | . |
| 20.400 | 109.5680 | 30.76 | .Q | . | . | . | V | . |
| 20.417 | 109.6103 | 30.68 | .Q | . | . | . | V | . |
| 20.433 | 109.6524 | 30.61 | .Q | . | . | . | V | . |
| 20.450 | 109.6945 | 30.53 | .Q | . | . | . | V | . |
| 20.467 | 109.7364 | 30.46 | .Q | . | . | . | V | . |
| 20.483 | 109.7783 | 30.38 | .Q | . | . | . | V | . |
| 20.500 | 109.8200 | 30.31 | .Q | . | . | . | V | . |
| 20.517 | 109.8617 | 30.23 | .Q | . | . | . | V | . |
| 20.533 | 109.9032 | 30.16 | .Q | . | . | . | V | . |
| 20.550 | 109.9446 | 30.08 | .Q | . | . | . | V | . |
| 20.567 | 109.9860 | 30.01 | .Q | . | . | . | V | . |
| 20.583 | 110.0272 | 29.93 | .Q | . | . | . | V | . |
| 20.600 | 110.0683 | 29.86 | .Q | . | . | . | V | . |
| 20.617 | 110.1094 | 29.79 | .Q | . | . | . | V | . |
| 20.633 | 110.1503 | 29.73 | .Q | . | . | . | V | . |
| 20.650 | 110.1912 | 29.66 | .Q | . | . | . | V | . |
| 20.667 | 110.2319 | 29.59 | .Q | . | . | . | V | . |
| 20.683 | 110.2726 | 29.52 | .Q | . | . | . | V | . |
| 20.700 | 110.3132 | 29.45 | .Q | . | . | . | V | . |
| 20.717 | 110.3536 | 29.38 | .Q | . | . | . | V | . |
| 20.733 | 110.3940 | 29.31 | .Q | . | . | . | V | . |
| 20.750 | 110.4343 | 29.25 | .Q | . | . | . | V | . |
| 20.767 | 110.4745 | 29.18 | .Q | . | . | . | V | . |
| 20.783 | 110.5146 | 29.11 | .Q | . | . | . | V | . |
| 20.800 | 110.5546 | 29.04 | .Q | . | . | . | V | . |
| 20.817 | 110.5945 | 28.97 | .Q | . | . | . | V | . |
| 20.833 | 110.6343 | 28.91 | .Q | . | . | . | V | . |
| 20.850 | 110.6740 | 28.84 | .Q | . | . | . | V | . |
| 20.867 | 110.7137 | 28.78 | .Q | . | . | . | V | . |
| 20.883 | 110.7532 | 28.72 | .Q | . | . | . | V | . |
| 20.900 | 110.7927 | 28.65 | .Q | . | . | . | V | . |
| 20.917 | 110.8321 | 28.59 | .Q | . | . | . | V | . |
| 20.933 | 110.8713 | 28.53 | .Q | . | . | . | V | . |
| 20.950 | 110.9106 | 28.46 | .Q | . | . | . | V | . |
| 20.967 | 110.9497 | 28.40 | .Q | . | . | . | V | . |
| 20.983 | 110.9887 | 28.34 | .Q | . | . | . | V | . |
| 21.000 | 111.0276 | 28.27 | .Q | . | . | . | V | . |
| 21.017 | 111.0665 | 28.21 | .Q | . | . | . | V | . |
| 21.033 | 111.1053 | 28.15 | .Q | . | . | . | V | . |
| 21.050 | 111.1440 | 28.08 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 21.067 | 111.1826 | 28.02 | .Q | . | . | . | V | . |
| 21.083 | 111.2211 | 27.97 | .Q | . | . | . | V | . |
| 21.100 | 111.2595 | 27.91 | .Q | . | . | . | V | . |
| 21.117 | 111.2979 | 27.85 | .Q | . | . | . | V | . |
| 21.133 | 111.3362 | 27.79 | .Q | . | . | . | V | . |
| 21.150 | 111.3744 | 27.73 | .Q | . | . | . | V | . |
| 21.167 | 111.4125 | 27.67 | .Q | . | . | . | V | . |
| 21.183 | 111.4505 | 27.61 | .Q | . | . | . | V | . |
| 21.200 | 111.4885 | 27.55 | .Q | . | . | . | V | . |
| 21.217 | 111.5263 | 27.50 | .Q | . | . | . | V | . |
| 21.233 | 111.5641 | 27.44 | .Q | . | . | . | V | . |
| 21.250 | 111.6018 | 27.38 | .Q | . | . | . | V | . |
| 21.267 | 111.6395 | 27.32 | .Q | . | . | . | V | . |
| 21.283 | 111.6770 | 27.26 | .Q | . | . | . | V | . |
| 21.300 | 111.7145 | 27.21 | .Q | . | . | . | V | . |
| 21.317 | 111.7519 | 27.15 | .Q | . | . | . | V | . |
| 21.333 | 111.7892 | 27.10 | Q | . | . | . | V | . |
| 21.350 | 111.8265 | 27.04 | Q | . | . | . | V | . |
| 21.367 | 111.8636 | 26.99 | Q | . | . | . | V | . |
| 21.383 | 111.9007 | 26.94 | Q | . | . | . | V | . |
| 21.400 | 111.9378 | 26.88 | Q | . | . | . | V | . |
| 21.417 | 111.9747 | 26.83 | Q | . | . | . | V | . |
| 21.433 | 112.0116 | 26.77 | Q | . | . | . | V | . |
| 21.450 | 112.0484 | 26.72 | Q | . | . | . | V | . |
| 21.467 | 112.0851 | 26.66 | Q | . | . | . | V | . |
| 21.483 | 112.1218 | 26.61 | Q | . | . | . | V | . |
| 21.500 | 112.1584 | 26.55 | Q | . | . | . | V | . |
| 21.517 | 112.1949 | 26.50 | Q | . | . | . | V | . |
| 21.533 | 112.2313 | 26.45 | Q | . | . | . | V | . |
| 21.550 | 112.2677 | 26.40 | Q | . | . | . | V | . |
| 21.567 | 112.3040 | 26.35 | Q | . | . | . | V | . |
| 21.583 | 112.3402 | 26.30 | Q | . | . | . | V | . |
| 21.600 | 112.3763 | 26.25 | Q | . | . | . | V | . |
| 21.617 | 112.4124 | 26.20 | Q | . | . | . | V | . |
| 21.633 | 112.4484 | 26.15 | Q | . | . | . | V | . |
| 21.650 | 112.4844 | 26.10 | Q | . | . | . | V | . |
| 21.667 | 112.5203 | 26.04 | Q | . | . | . | V | . |
| 21.683 | 112.5561 | 25.99 | Q | . | . | . | V | . |
| 21.700 | 112.5918 | 25.94 | Q | . | . | . | V | . |
| 21.717 | 112.6275 | 25.89 | Q | . | . | . | V | . |
| 21.733 | 112.6631 | 25.84 | Q | . | . | . | V | . |
| 21.750 | 112.6986 | 25.79 | Q | . | . | . | V | . |
| 21.767 | 112.7340 | 25.75 | Q | . | . | . | V | . |
| 21.783 | 112.7694 | 25.70 | Q | . | . | . | V | . |
| 21.800 | 112.8048 | 25.65 | Q | . | . | . | V | . |
| 21.817 | 112.8400 | 25.60 | Q | . | . | . | V | . |
| 21.833 | 112.8752 | 25.56 | Q | . | . | . | V | . |
| 21.850 | 112.9104 | 25.51 | Q | . | . | . | V | . |
| 21.867 | 112.9454 | 25.46 | Q | . | . | . | V | . |
| 21.883 | 112.9805 | 25.41 | Q | . | . | . | V | . |
| 21.900 | 113.0154 | 25.37 | Q | . | . | . | V | . |
| 21.917 | 113.0503 | 25.32 | Q | . | . | . | V | . |
| 21.933 | 113.0851 | 25.27 | Q | . | . | . | V | . |
| 21.950 | 113.1198 | 25.22 | Q | . | . | . | V | . |
| 21.967 | 113.1545 | 25.18 | Q | . | . | . | V | . |
| 21.983 | 113.1891 | 25.13 | Q | . | . | . | V | . |
| 22.000 | 113.2237 | 25.09 | Q | . | . | . | V | . |
| 22.017 | 113.2582 | 25.04 | Q | . | . | . | V | . |

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|--------|----------|-------|---|---|---|---|---|---|
| 22.033 | 113.2926 | 25.00 | Q | . | . | . | V | . |
| 22.050 | 113.3270 | 24.95 | Q | . | . | . | V | . |
| 22.067 | 113.3613 | 24.91 | Q | . | . | . | V | . |
| 22.083 | 113.3955 | 24.87 | Q | . | . | . | V | . |
| 22.100 | 113.4297 | 24.82 | Q | . | . | . | V | . |
| 22.117 | 113.4638 | 24.78 | Q | . | . | . | V | . |
| 22.133 | 113.4979 | 24.73 | Q | . | . | . | V | . |
| 22.150 | 113.5319 | 24.69 | Q | . | . | . | V | . |
| 22.167 | 113.5659 | 24.64 | Q | . | . | . | V | . |
| 22.183 | 113.5997 | 24.60 | Q | . | . | . | V | . |
| 22.200 | 113.6336 | 24.56 | Q | . | . | . | V | . |
| 22.217 | 113.6673 | 24.51 | Q | . | . | . | V | . |
| 22.233 | 113.7010 | 24.47 | Q | . | . | . | V | . |
| 22.250 | 113.7347 | 24.43 | Q | . | . | . | V | . |
| 22.267 | 113.7683 | 24.39 | Q | . | . | . | V | . |
| 22.283 | 113.8018 | 24.35 | Q | . | . | . | V | . |
| 22.300 | 113.8353 | 24.30 | Q | . | . | . | V | . |
| 22.317 | 113.8687 | 24.26 | Q | . | . | . | V | . |
| 22.333 | 113.9021 | 24.22 | Q | . | . | . | V | . |
| 22.350 | 113.9354 | 24.18 | Q | . | . | . | V | . |
| 22.367 | 113.9686 | 24.14 | Q | . | . | . | V | . |
| 22.383 | 114.0018 | 24.10 | Q | . | . | . | V | . |
| 22.400 | 114.0350 | 24.05 | Q | . | . | . | V | . |
| 22.417 | 114.0680 | 24.01 | Q | . | . | . | V | . |
| 22.433 | 114.1010 | 23.97 | Q | . | . | . | V | . |
| 22.450 | 114.1340 | 23.93 | Q | . | . | . | V | . |
| 22.467 | 114.1669 | 23.89 | Q | . | . | . | V | . |
| 22.483 | 114.1998 | 23.85 | Q | . | . | . | V | . |
| 22.500 | 114.2326 | 23.81 | Q | . | . | . | V | . |
| 22.517 | 114.2653 | 23.77 | Q | . | . | . | V | . |
| 22.533 | 114.2980 | 23.74 | Q | . | . | . | V | . |
| 22.550 | 114.3307 | 23.70 | Q | . | . | . | V | . |
| 22.567 | 114.3632 | 23.66 | Q | . | . | . | V | . |
| 22.583 | 114.3958 | 23.62 | Q | . | . | . | V | . |
| 22.600 | 114.4282 | 23.58 | Q | . | . | . | V | . |
| 22.617 | 114.4607 | 23.54 | Q | . | . | . | V | . |
| 22.633 | 114.4930 | 23.50 | Q | . | . | . | V | . |
| 22.650 | 114.5254 | 23.46 | Q | . | . | . | V | . |
| 22.667 | 114.5576 | 23.42 | Q | . | . | . | V | . |
| 22.683 | 114.5898 | 23.39 | Q | . | . | . | V | . |
| 22.700 | 114.6220 | 23.35 | Q | . | . | . | V | . |
| 22.717 | 114.6541 | 23.31 | Q | . | . | . | V | . |
| 22.733 | 114.6862 | 23.27 | Q | . | . | . | V | . |
| 22.750 | 114.7182 | 23.24 | Q | . | . | . | V | . |
| 22.767 | 114.7501 | 23.20 | Q | . | . | . | V | . |
| 22.783 | 114.7820 | 23.16 | Q | . | . | . | V | . |
| 22.800 | 114.8139 | 23.13 | Q | . | . | . | V | . |
| 22.817 | 114.8457 | 23.09 | Q | . | . | . | V | . |
| 22.833 | 114.8774 | 23.05 | Q | . | . | . | V | . |
| 22.850 | 114.9091 | 23.02 | Q | . | . | . | V | . |
| 22.867 | 114.9408 | 22.98 | Q | . | . | . | V | . |
| 22.883 | 114.9724 | 22.94 | Q | . | . | . | V | . |
| 22.900 | 115.0039 | 22.91 | Q | . | . | . | V | . |
| 22.917 | 115.0354 | 22.87 | Q | . | . | . | V | . |
| 22.933 | 115.0669 | 22.84 | Q | . | . | . | V | . |
| 22.950 | 115.0983 | 22.80 | Q | . | . | . | V | . |
| 22.967 | 115.1297 | 22.76 | Q | . | . | . | V | . |
| 22.983 | 115.1610 | 22.73 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|----------|-------|---|---|---|---|----|
| 23.000 | 115.1922 | 22.69 | Q | . | . | . | V. |
| 23.017 | 115.2234 | 22.66 | Q | . | . | . | V. |
| 23.033 | 115.2546 | 22.62 | Q | . | . | . | V. |
| 23.050 | 115.2857 | 22.59 | Q | . | . | . | V. |
| 23.067 | 115.3168 | 22.55 | Q | . | . | . | V. |
| 23.083 | 115.3478 | 22.52 | Q | . | . | . | V. |
| 23.100 | 115.3788 | 22.48 | Q | . | . | . | V. |
| 23.117 | 115.4097 | 22.45 | Q | . | . | . | V. |
| 23.133 | 115.4406 | 22.42 | Q | . | . | . | V. |
| 23.150 | 115.4714 | 22.38 | Q | . | . | . | V. |
| 23.167 | 115.5022 | 22.35 | Q | . | . | . | V. |
| 23.183 | 115.5329 | 22.32 | Q | . | . | . | V. |
| 23.200 | 115.5636 | 22.28 | Q | . | . | . | V. |
| 23.217 | 115.5943 | 22.25 | Q | . | . | . | V. |
| 23.233 | 115.6249 | 22.22 | Q | . | . | . | V. |
| 23.250 | 115.6554 | 22.18 | Q | . | . | . | V. |
| 23.267 | 115.6859 | 22.15 | Q | . | . | . | V. |
| 23.283 | 115.7164 | 22.12 | Q | . | . | . | V. |
| 23.300 | 115.7468 | 22.08 | Q | . | . | . | V. |
| 23.317 | 115.7772 | 22.05 | Q | . | . | . | V. |
| 23.333 | 115.8075 | 22.02 | Q | . | . | . | V. |
| 23.350 | 115.8378 | 21.98 | Q | . | . | . | V. |
| 23.367 | 115.8680 | 21.95 | Q | . | . | . | V. |
| 23.383 | 115.8982 | 21.92 | Q | . | . | . | V. |
| 23.400 | 115.9284 | 21.89 | Q | . | . | . | V. |
| 23.417 | 115.9585 | 21.86 | Q | . | . | . | V. |
| 23.433 | 115.9885 | 21.83 | Q | . | . | . | V. |
| 23.450 | 116.0186 | 21.79 | Q | . | . | . | V. |
| 23.467 | 116.0485 | 21.76 | Q | . | . | . | V. |
| 23.483 | 116.0785 | 21.73 | Q | . | . | . | V. |
| 23.500 | 116.1084 | 21.70 | Q | . | . | . | V. |
| 23.517 | 116.1382 | 21.67 | Q | . | . | . | V. |
| 23.533 | 116.1680 | 21.64 | Q | . | . | . | V. |
| 23.550 | 116.1978 | 21.60 | Q | . | . | . | V. |
| 23.567 | 116.2275 | 21.57 | Q | . | . | . | V. |
| 23.583 | 116.2572 | 21.54 | Q | . | . | . | V. |
| 23.600 | 116.2868 | 21.51 | Q | . | . | . | V. |
| 23.617 | 116.3164 | 21.48 | Q | . | . | . | V. |
| 23.633 | 116.3459 | 21.45 | Q | . | . | . | V. |
| 23.650 | 116.3755 | 21.42 | Q | . | . | . | V. |
| 23.667 | 116.4049 | 21.39 | Q | . | . | . | V. |
| 23.683 | 116.4343 | 21.36 | Q | . | . | . | V. |
| 23.700 | 116.4637 | 21.33 | Q | . | . | . | V. |
| 23.717 | 116.4931 | 21.30 | Q | . | . | . | V. |
| 23.733 | 116.5224 | 21.27 | Q | . | . | . | V. |
| 23.750 | 116.5516 | 21.24 | Q | . | . | . | V. |
| 23.767 | 116.5808 | 21.21 | Q | . | . | . | V. |
| 23.783 | 116.6100 | 21.18 | Q | . | . | . | V. |
| 23.800 | 116.6392 | 21.15 | Q | . | . | . | V. |
| 23.817 | 116.6683 | 21.12 | Q | . | . | . | V. |
| 23.833 | 116.6973 | 21.10 | Q | . | . | . | V. |
| 23.850 | 116.7263 | 21.07 | Q | . | . | . | V. |
| 23.867 | 116.7553 | 21.04 | Q | . | . | . | V. |
| 23.883 | 116.7842 | 21.01 | Q | . | . | . | V. |
| 23.900 | 116.8131 | 20.98 | Q | . | . | . | V. |
| 23.917 | 116.8420 | 20.95 | Q | . | . | . | V. |
| 23.933 | 116.8708 | 20.92 | Q | . | . | . | V. |
| 23.950 | 116.8996 | 20.90 | Q | . | . | . | V. |

| | | | | | | | |
|--------|----------|-------|---|---|---|---|----|
| 23.967 | 116.9284 | 20.87 | Q | . | . | . | V. |
| 23.983 | 116.9571 | 20.84 | Q | . | . | . | V. |
| 24.000 | 116.9857 | 20.81 | 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% | 645.0 |
| 20% | 205.0 |
| 30% | 130.0 |
| 40% | 105.0 |
| 50% | 90.0 |
| 60% | 70.0 |
| 70% | 55.0 |
| 80% | 35.0 |
| 90% | 15.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED B *
* SMALL AREA HYDROGRAPH - SINGLE AREA MODEL *
* 100-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3B00EVS.DAT
TIME/DATE OF STUDY: 15:40 07/14/2022

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 210.00 TO NODE 231.00 IS CODE = 1.2

>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<

(SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #2)

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA (ACRES) = 213.70
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.128
LOW LOSS FRACTION = 0.323
TIME OF CONCENTRATION (MIN.) = 19.26
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 25
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.40
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.87
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.15
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.94
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.71
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.49

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 52.51

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 27.45

=====
 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. | 101.4 | 202.8 | 304.1 | 405.5 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 0.017 | 0.0004 | 0.27 | Q | . | . | . | . |
| 0.033 | 0.0015 | 0.82 | Q | . | . | . | . |
| 0.050 | 0.0034 | 1.37 | Q | . | . | . | . |
| 0.067 | 0.0060 | 1.92 | Q | . | . | . | . |
| 0.083 | 0.0094 | 2.46 | Q | . | . | . | . |
| 0.100 | 0.0136 | 3.01 | Q | . | . | . | . |
| 0.117 | 0.0185 | 3.56 | Q | . | . | . | . |
| 0.133 | 0.0241 | 4.11 | Q | . | . | . | . |
| 0.150 | 0.0305 | 4.65 | Q | . | . | . | . |
| 0.167 | 0.0377 | 5.20 | Q | . | . | . | . |
| 0.183 | 0.0456 | 5.75 | Q | . | . | . | . |
| 0.200 | 0.0543 | 6.30 | Q | . | . | . | . |
| 0.217 | 0.0637 | 6.84 | Q | . | . | . | . |
| 0.233 | 0.0739 | 7.39 | Q | . | . | . | . |
| 0.250 | 0.0848 | 7.94 | Q | . | . | . | . |
| 0.267 | 0.0965 | 8.49 | Q | . | . | . | . |
| 0.283 | 0.1088 | 8.88 | Q | . | . | . | . |
| 0.300 | 0.1210 | 8.91 | Q | . | . | . | . |
| 0.317 | 0.1333 | 8.91 | Q | . | . | . | . |
| 0.333 | 0.1456 | 8.91 | Q | . | . | . | . |
| 0.350 | 0.1579 | 8.92 | Q | . | . | . | . |
| 0.367 | 0.1701 | 8.92 | Q | . | . | . | . |
| 0.383 | 0.1824 | 8.92 | Q | . | . | . | . |
| 0.400 | 0.1947 | 8.93 | Q | . | . | . | . |
| 0.417 | 0.2070 | 8.93 | Q | . | . | . | . |
| 0.433 | 0.2193 | 8.93 | Q | . | . | . | . |
| 0.450 | 0.2316 | 8.94 | Q | . | . | . | . |
| 0.467 | 0.2440 | 8.94 | Q | . | . | . | . |
| 0.483 | 0.2563 | 8.94 | Q | . | . | . | . |
| 0.500 | 0.2686 | 8.95 | Q | . | . | . | . |
| 0.517 | 0.2809 | 8.95 | Q | . | . | . | . |
| 0.533 | 0.2933 | 8.95 | Q | . | . | . | . |
| 0.550 | 0.3056 | 8.96 | Q | . | . | . | . |
| 0.567 | 0.3179 | 8.96 | Q | . | . | . | . |
| 0.583 | 0.3303 | 8.97 | Q | . | . | . | . |
| 0.600 | 0.3426 | 8.97 | Q | . | . | . | . |
| 0.617 | 0.3550 | 8.98 | Q | . | . | . | . |
| 0.633 | 0.3674 | 8.99 | Q | . | . | . | . |
| 0.650 | 0.3798 | 8.99 | Q | . | . | . | . |
| 0.667 | 0.3922 | 9.00 | Q | . | . | . | . |
| 0.683 | 0.4046 | 9.01 | Q | . | . | . | . |
| 0.700 | 0.4170 | 9.02 | Q | . | . | . | . |
| 0.717 | 0.4294 | 9.03 | Q | . | . | . | . |
| 0.733 | 0.4419 | 9.03 | Q | . | . | . | . |
| 0.750 | 0.4543 | 9.04 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|---|---|---|---|---|
| 0.767 | 0.4668 | 9.05 | Q | . | . | . | . |
| 0.783 | 0.4793 | 9.06 | Q | . | . | . | . |
| 0.800 | 0.4918 | 9.07 | Q | . | . | . | . |
| 0.817 | 0.5043 | 9.08 | Q | . | . | . | . |
| 0.833 | 0.5168 | 9.08 | Q | . | . | . | . |
| 0.850 | 0.5293 | 9.09 | Q | . | . | . | . |
| 0.867 | 0.5419 | 9.10 | Q | . | . | . | . |
| 0.883 | 0.5544 | 9.11 | Q | . | . | . | . |
| 0.900 | 0.5670 | 9.12 | Q | . | . | . | . |
| 0.917 | 0.5795 | 9.13 | Q | . | . | . | . |
| 0.933 | 0.5921 | 9.13 | Q | . | . | . | . |
| 0.950 | 0.6047 | 9.14 | Q | . | . | . | . |
| 0.967 | 0.6173 | 9.14 | Q | . | . | . | . |
| 0.983 | 0.6299 | 9.14 | Q | . | . | . | . |
| 1.000 | 0.6425 | 9.15 | Q | . | . | . | . |
| 1.017 | 0.6551 | 9.15 | Q | . | . | . | . |
| 1.033 | 0.6677 | 9.16 | Q | . | . | . | . |
| 1.050 | 0.6803 | 9.16 | Q | . | . | . | . |
| 1.067 | 0.6929 | 9.16 | Q | . | . | . | . |
| 1.083 | 0.7056 | 9.17 | Q | . | . | . | . |
| 1.100 | 0.7182 | 9.17 | Q | . | . | . | . |
| 1.117 | 0.7308 | 9.18 | Q | . | . | . | . |
| 1.133 | 0.7435 | 9.18 | Q | . | . | . | . |
| 1.150 | 0.7561 | 9.19 | Q | . | . | . | . |
| 1.167 | 0.7688 | 9.19 | Q | . | . | . | . |
| 1.183 | 0.7815 | 9.19 | Q | . | . | . | . |
| 1.200 | 0.7941 | 9.20 | Q | . | . | . | . |
| 1.217 | 0.8068 | 9.20 | Q | . | . | . | . |
| 1.233 | 0.8195 | 9.21 | Q | . | . | . | . |
| 1.250 | 0.8322 | 9.21 | Q | . | . | . | . |
| 1.267 | 0.8449 | 9.22 | Q | . | . | . | . |
| 1.283 | 0.8576 | 9.23 | Q | . | . | . | . |
| 1.300 | 0.8703 | 9.24 | Q | . | . | . | . |
| 1.317 | 0.8831 | 9.25 | Q | . | . | . | . |
| 1.333 | 0.8958 | 9.26 | Q | . | . | . | . |
| 1.350 | 0.9086 | 9.27 | Q | . | . | . | . |
| 1.367 | 0.9214 | 9.28 | Q | . | . | . | . |
| 1.383 | 0.9342 | 9.28 | Q | . | . | . | . |
| 1.400 | 0.9470 | 9.29 | Q | . | . | . | . |
| 1.417 | 0.9598 | 9.30 | Q | . | . | . | . |
| 1.433 | 0.9726 | 9.31 | Q | . | . | . | . |
| 1.450 | 0.9854 | 9.32 | Q | . | . | . | . |
| 1.467 | 0.9983 | 9.33 | Q | . | . | . | . |
| 1.483 | 1.0111 | 9.34 | Q | . | . | . | . |
| 1.500 | 1.0240 | 9.35 | Q | . | . | . | . |
| 1.517 | 1.0369 | 9.36 | Q | . | . | . | . |
| 1.533 | 1.0498 | 9.36 | Q | . | . | . | . |
| 1.550 | 1.0627 | 9.37 | Q | . | . | . | . |
| 1.567 | 1.0756 | 9.38 | Q | . | . | . | . |
| 1.583 | 1.0886 | 9.39 | Q | . | . | . | . |
| 1.600 | 1.1015 | 9.39 | Q | . | . | . | . |
| 1.617 | 1.1144 | 9.39 | Q | . | . | . | . |
| 1.633 | 1.1274 | 9.40 | Q | . | . | . | . |
| 1.650 | 1.1403 | 9.40 | Q | . | . | . | . |
| 1.667 | 1.1533 | 9.41 | Q | . | . | . | . |
| 1.683 | 1.1663 | 9.41 | Q | . | . | . | . |
| 1.700 | 1.1792 | 9.42 | Q | . | . | . | . |
| 1.717 | 1.1922 | 9.42 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 1.2052 | 9.43 | Q | . | . | . | . |
| 1.750 | 1.2182 | 9.43 | Q | . | . | . | . |
| 1.767 | 1.2312 | 9.44 | Q | . | . | . | . |
| 1.783 | 1.2442 | 9.44 | Q | . | . | . | . |
| 1.800 | 1.2572 | 9.44 | Q | . | . | . | . |
| 1.817 | 1.2702 | 9.45 | Q | . | . | . | . |
| 1.833 | 1.2832 | 9.45 | Q | . | . | . | . |
| 1.850 | 1.2963 | 9.46 | Q | . | . | . | . |
| 1.867 | 1.3093 | 9.46 | Q | . | . | . | . |
| 1.883 | 1.3223 | 9.47 | QV | . | . | . | . |
| 1.900 | 1.3354 | 9.48 | QV | . | . | . | . |
| 1.917 | 1.3485 | 9.49 | QV | . | . | . | . |
| 1.933 | 1.3615 | 9.50 | QV | . | . | . | . |
| 1.950 | 1.3746 | 9.51 | QV | . | . | . | . |
| 1.967 | 1.3877 | 9.51 | QV | . | . | . | . |
| 1.983 | 1.4009 | 9.52 | QV | . | . | . | . |
| 2.000 | 1.4140 | 9.53 | QV | . | . | . | . |
| 2.017 | 1.4271 | 9.54 | QV | . | . | . | . |
| 2.033 | 1.4403 | 9.55 | QV | . | . | . | . |
| 2.050 | 1.4535 | 9.56 | QV | . | . | . | . |
| 2.067 | 1.4666 | 9.57 | QV | . | . | . | . |
| 2.083 | 1.4798 | 9.58 | QV | . | . | . | . |
| 2.100 | 1.4930 | 9.59 | QV | . | . | . | . |
| 2.117 | 1.5063 | 9.60 | QV | . | . | . | . |
| 2.133 | 1.5195 | 9.61 | QV | . | . | . | . |
| 2.150 | 1.5328 | 9.62 | QV | . | . | . | . |
| 2.167 | 1.5460 | 9.63 | QV | . | . | . | . |
| 2.183 | 1.5593 | 9.64 | QV | . | . | . | . |
| 2.200 | 1.5726 | 9.65 | QV | . | . | . | . |
| 2.217 | 1.5859 | 9.65 | QV | . | . | . | . |
| 2.233 | 1.5992 | 9.66 | QV | . | . | . | . |
| 2.250 | 1.6125 | 9.66 | QV | . | . | . | . |
| 2.267 | 1.6258 | 9.67 | QV | . | . | . | . |
| 2.283 | 1.6391 | 9.67 | QV | . | . | . | . |
| 2.300 | 1.6525 | 9.68 | QV | . | . | . | . |
| 2.317 | 1.6658 | 9.68 | QV | . | . | . | . |
| 2.333 | 1.6792 | 9.69 | QV | . | . | . | . |
| 2.350 | 1.6925 | 9.69 | QV | . | . | . | . |
| 2.367 | 1.7059 | 9.70 | QV | . | . | . | . |
| 2.383 | 1.7192 | 9.70 | QV | . | . | . | . |
| 2.400 | 1.7326 | 9.71 | QV | . | . | . | . |
| 2.417 | 1.7460 | 9.71 | QV | . | . | . | . |
| 2.433 | 1.7594 | 9.72 | QV | . | . | . | . |
| 2.450 | 1.7728 | 9.72 | QV | . | . | . | . |
| 2.467 | 1.7862 | 9.73 | QV | . | . | . | . |
| 2.483 | 1.7996 | 9.73 | QV | . | . | . | . |
| 2.500 | 1.8130 | 9.74 | QV | . | . | . | . |
| 2.517 | 1.8264 | 9.74 | QV | . | . | . | . |
| 2.533 | 1.8398 | 9.75 | QV | . | . | . | . |
| 2.550 | 1.8533 | 9.76 | QV | . | . | . | . |
| 2.567 | 1.8667 | 9.77 | QV | . | . | . | . |
| 2.583 | 1.8802 | 9.78 | QV | . | . | . | . |
| 2.600 | 1.8937 | 9.79 | QV | . | . | . | . |
| 2.617 | 1.9072 | 9.80 | QV | . | . | . | . |
| 2.633 | 1.9207 | 9.81 | QV | . | . | . | . |
| 2.650 | 1.9342 | 9.82 | QV | . | . | . | . |
| 2.667 | 1.9478 | 9.83 | QV | . | . | . | . |
| 2.683 | 1.9613 | 9.84 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 2.700 | 1.9749 | 9.85 | QV | . | . | . | . |
| 2.717 | 1.9885 | 9.86 | QV | . | . | . | . |
| 2.733 | 2.0021 | 9.87 | QV | . | . | . | . |
| 2.750 | 2.0157 | 9.88 | QV | . | . | . | . |
| 2.767 | 2.0293 | 9.89 | QV | . | . | . | . |
| 2.783 | 2.0430 | 9.90 | QV | . | . | . | . |
| 2.800 | 2.0566 | 9.91 | QV | . | . | . | . |
| 2.817 | 2.0703 | 9.92 | QV | . | . | . | . |
| 2.833 | 2.0840 | 9.93 | QV | . | . | . | . |
| 2.850 | 2.0977 | 9.94 | QV | . | . | . | . |
| 2.867 | 2.1114 | 9.95 | QV | . | . | . | . |
| 2.883 | 2.1251 | 9.95 | QV | . | . | . | . |
| 2.900 | 2.1388 | 9.96 | QV | . | . | . | . |
| 2.917 | 2.1525 | 9.96 | QV | . | . | . | . |
| 2.933 | 2.1663 | 9.97 | QV | . | . | . | . |
| 2.950 | 2.1800 | 9.98 | QV | . | . | . | . |
| 2.967 | 2.1938 | 9.98 | QV | . | . | . | . |
| 2.983 | 2.2075 | 9.99 | QV | . | . | . | . |
| 3.000 | 2.2213 | 9.99 | QV | . | . | . | . |
| 3.017 | 2.2350 | 10.00 | QV | . | . | . | . |
| 3.033 | 2.2488 | 10.00 | QV | . | . | . | . |
| 3.050 | 2.2626 | 10.01 | QV | . | . | . | . |
| 3.067 | 2.2764 | 10.01 | QV | . | . | . | . |
| 3.083 | 2.2902 | 10.02 | QV | . | . | . | . |
| 3.100 | 2.3040 | 10.02 | QV | . | . | . | . |
| 3.117 | 2.3178 | 10.03 | QV | . | . | . | . |
| 3.133 | 2.3316 | 10.03 | QV | . | . | . | . |
| 3.150 | 2.3455 | 10.04 | QV | . | . | . | . |
| 3.167 | 2.3593 | 10.05 | QV | . | . | . | . |
| 3.183 | 2.3732 | 10.06 | QV | . | . | . | . |
| 3.200 | 2.3870 | 10.07 | QV | . | . | . | . |
| 3.217 | 2.4009 | 10.08 | QV | . | . | . | . |
| 3.233 | 2.4148 | 10.09 | QV | . | . | . | . |
| 3.250 | 2.4287 | 10.10 | QV | . | . | . | . |
| 3.267 | 2.4426 | 10.11 | QV | . | . | . | . |
| 3.283 | 2.4566 | 10.12 | QV | . | . | . | . |
| 3.300 | 2.4705 | 10.13 | QV | . | . | . | . |
| 3.317 | 2.4845 | 10.14 | .Q | . | . | . | . |
| 3.333 | 2.4985 | 10.16 | .Q | . | . | . | . |
| 3.350 | 2.5125 | 10.17 | .Q | . | . | . | . |
| 3.367 | 2.5265 | 10.18 | .Q | . | . | . | . |
| 3.383 | 2.5405 | 10.19 | .Q | . | . | . | . |
| 3.400 | 2.5546 | 10.20 | .Q | . | . | . | . |
| 3.417 | 2.5687 | 10.21 | .Q | . | . | . | . |
| 3.433 | 2.5827 | 10.22 | .Q | . | . | . | . |
| 3.450 | 2.5968 | 10.23 | .Q | . | . | . | . |
| 3.467 | 2.6109 | 10.24 | .Q | . | . | . | . |
| 3.483 | 2.6251 | 10.25 | .Q | . | . | . | . |
| 3.500 | 2.6392 | 10.26 | .QV | . | . | . | . |
| 3.517 | 2.6533 | 10.27 | .QV | . | . | . | . |
| 3.533 | 2.6675 | 10.27 | .QV | . | . | . | . |
| 3.550 | 2.6817 | 10.28 | .QV | . | . | . | . |
| 3.567 | 2.6958 | 10.29 | .QV | . | . | . | . |
| 3.583 | 2.7100 | 10.29 | .QV | . | . | . | . |
| 3.600 | 2.7242 | 10.30 | .QV | . | . | . | . |
| 3.617 | 2.7384 | 10.30 | .QV | . | . | . | . |
| 3.633 | 2.7526 | 10.31 | .QV | . | . | . | . |
| 3.650 | 2.7668 | 10.31 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 3.667 | 2.7810 | 10.32 | .QV | . | . | . | . |
| 3.683 | 2.7952 | 10.33 | .QV | . | . | . | . |
| 3.700 | 2.8095 | 10.33 | .QV | . | . | . | . |
| 3.717 | 2.8237 | 10.34 | .QV | . | . | . | . |
| 3.733 | 2.8379 | 10.34 | .QV | . | . | . | . |
| 3.750 | 2.8522 | 10.35 | .QV | . | . | . | . |
| 3.767 | 2.8665 | 10.35 | .QV | . | . | . | . |
| 3.783 | 2.8807 | 10.36 | .QV | . | . | . | . |
| 3.800 | 2.8950 | 10.37 | .QV | . | . | . | . |
| 3.817 | 2.9093 | 10.37 | .QV | . | . | . | . |
| 3.833 | 2.9236 | 10.39 | .QV | . | . | . | . |
| 3.850 | 2.9379 | 10.40 | .QV | . | . | . | . |
| 3.867 | 2.9523 | 10.41 | .QV | . | . | . | . |
| 3.883 | 2.9666 | 10.42 | .QV | . | . | . | . |
| 3.900 | 2.9810 | 10.43 | .QV | . | . | . | . |
| 3.917 | 2.9954 | 10.45 | .QV | . | . | . | . |
| 3.933 | 3.0098 | 10.46 | .QV | . | . | . | . |
| 3.950 | 3.0242 | 10.47 | .QV | . | . | . | . |
| 3.967 | 3.0387 | 10.48 | .QV | . | . | . | . |
| 3.983 | 3.0531 | 10.49 | .QV | . | . | . | . |
| 4.000 | 3.0676 | 10.51 | .QV | . | . | . | . |
| 4.017 | 3.0821 | 10.52 | .QV | . | . | . | . |
| 4.033 | 3.0966 | 10.53 | .QV | . | . | . | . |
| 4.050 | 3.1111 | 10.54 | .QV | . | . | . | . |
| 4.067 | 3.1256 | 10.56 | .QV | . | . | . | . |
| 4.083 | 3.1402 | 10.57 | .QV | . | . | . | . |
| 4.100 | 3.1548 | 10.58 | .QV | . | . | . | . |
| 4.117 | 3.1694 | 10.59 | .QV | . | . | . | . |
| 4.133 | 3.1840 | 10.60 | .QV | . | . | . | . |
| 4.150 | 3.1986 | 10.61 | .QV | . | . | . | . |
| 4.167 | 3.2132 | 10.62 | .QV | . | . | . | . |
| 4.183 | 3.2278 | 10.62 | .QV | . | . | . | . |
| 4.200 | 3.2425 | 10.63 | .QV | . | . | . | . |
| 4.217 | 3.2571 | 10.63 | .QV | . | . | . | . |
| 4.233 | 3.2718 | 10.64 | .QV | . | . | . | . |
| 4.250 | 3.2864 | 10.65 | .QV | . | . | . | . |
| 4.267 | 3.3011 | 10.65 | .QV | . | . | . | . |
| 4.283 | 3.3158 | 10.66 | .QV | . | . | . | . |
| 4.300 | 3.3305 | 10.67 | .QV | . | . | . | . |
| 4.317 | 3.3452 | 10.67 | .QV | . | . | . | . |
| 4.333 | 3.3599 | 10.68 | .QV | . | . | . | . |
| 4.350 | 3.3746 | 10.68 | .QV | . | . | . | . |
| 4.367 | 3.3893 | 10.69 | .QV | . | . | . | . |
| 4.383 | 3.4041 | 10.70 | .QV | . | . | . | . |
| 4.400 | 3.4188 | 10.70 | .QV | . | . | . | . |
| 4.417 | 3.4335 | 10.71 | .QV | . | . | . | . |
| 4.433 | 3.4483 | 10.72 | .QV | . | . | . | . |
| 4.450 | 3.4631 | 10.72 | .QV | . | . | . | . |
| 4.467 | 3.4779 | 10.73 | .QV | . | . | . | . |
| 4.483 | 3.4927 | 10.75 | .QV | . | . | . | . |
| 4.500 | 3.5075 | 10.76 | .QV | . | . | . | . |
| 4.517 | 3.5223 | 10.77 | .QV | . | . | . | . |
| 4.533 | 3.5372 | 10.79 | .QV | . | . | . | . |
| 4.550 | 3.5521 | 10.80 | .QV | . | . | . | . |
| 4.567 | 3.5670 | 10.81 | .QV | . | . | . | . |
| 4.583 | 3.5819 | 10.83 | .QV | . | . | . | . |
| 4.600 | 3.5968 | 10.84 | .QV | . | . | . | . |
| 4.617 | 3.6117 | 10.85 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 4.633 | 3.6267 | 10.87 | .QV | . | . | . | . |
| 4.650 | 3.6417 | 10.88 | .QV | . | . | . | . |
| 4.667 | 3.6567 | 10.89 | .QV | . | . | . | . |
| 4.683 | 3.6717 | 10.91 | .QV | . | . | . | . |
| 4.700 | 3.6868 | 10.92 | .QV | . | . | . | . |
| 4.717 | 3.7018 | 10.93 | .QV | . | . | . | . |
| 4.733 | 3.7169 | 10.94 | .QV | . | . | . | . |
| 4.750 | 3.7320 | 10.96 | .QV | . | . | . | . |
| 4.767 | 3.7471 | 10.97 | .QV | . | . | . | . |
| 4.783 | 3.7622 | 10.98 | .QV | . | . | . | . |
| 4.800 | 3.7773 | 10.99 | .QV | . | . | . | . |
| 4.817 | 3.7925 | 10.99 | .QV | . | . | . | . |
| 4.833 | 3.8076 | 11.00 | .QV | . | . | . | . |
| 4.850 | 3.8228 | 11.01 | .QV | . | . | . | . |
| 4.867 | 3.8380 | 11.01 | .QV | . | . | . | . |
| 4.883 | 3.8532 | 11.02 | .QV | . | . | . | . |
| 4.900 | 3.8683 | 11.03 | .QV | . | . | . | . |
| 4.917 | 3.8835 | 11.04 | .QV | . | . | . | . |
| 4.933 | 3.8988 | 11.04 | .QV | . | . | . | . |
| 4.950 | 3.9140 | 11.05 | .QV | . | . | . | . |
| 4.967 | 3.9292 | 11.06 | .QV | . | . | . | . |
| 4.983 | 3.9444 | 11.06 | .Q V | . | . | . | . |
| 5.000 | 3.9597 | 11.07 | .Q V | . | . | . | . |
| 5.017 | 3.9749 | 11.08 | .Q V | . | . | . | . |
| 5.033 | 3.9902 | 11.08 | .Q V | . | . | . | . |
| 5.050 | 4.0055 | 11.09 | .Q V | . | . | . | . |
| 5.067 | 4.0208 | 11.10 | .Q V | . | . | . | . |
| 5.083 | 4.0361 | 11.10 | .Q V | . | . | . | . |
| 5.100 | 4.0514 | 11.11 | .Q V | . | . | . | . |
| 5.117 | 4.0667 | 11.13 | .Q V | . | . | . | . |
| 5.133 | 4.0821 | 11.14 | .Q V | . | . | . | . |
| 5.150 | 4.0974 | 11.16 | .Q V | . | . | . | . |
| 5.167 | 4.1128 | 11.17 | .Q V | . | . | . | . |
| 5.183 | 4.1282 | 11.19 | .Q V | . | . | . | . |
| 5.200 | 4.1436 | 11.20 | .Q V | . | . | . | . |
| 5.217 | 4.1591 | 11.21 | .Q V | . | . | . | . |
| 5.233 | 4.1746 | 11.23 | .Q V | . | . | . | . |
| 5.250 | 4.1900 | 11.24 | .Q V | . | . | . | . |
| 5.267 | 4.2055 | 11.26 | .Q V | . | . | . | . |
| 5.283 | 4.2211 | 11.27 | .Q V | . | . | . | . |
| 5.300 | 4.2366 | 11.29 | .Q V | . | . | . | . |
| 5.317 | 4.2522 | 11.30 | .Q V | . | . | . | . |
| 5.333 | 4.2678 | 11.32 | .Q V | . | . | . | . |
| 5.350 | 4.2834 | 11.33 | .Q V | . | . | . | . |
| 5.367 | 4.2990 | 11.34 | .Q V | . | . | . | . |
| 5.383 | 4.3146 | 11.36 | .Q V | . | . | . | . |
| 5.400 | 4.3303 | 11.37 | .Q V | . | . | . | . |
| 5.417 | 4.3460 | 11.39 | .Q V | . | . | . | . |
| 5.433 | 4.3617 | 11.39 | .Q V | . | . | . | . |
| 5.450 | 4.3774 | 11.40 | .Q V | . | . | . | . |
| 5.467 | 4.3931 | 11.41 | .Q V | . | . | . | . |
| 5.483 | 4.4088 | 11.42 | .Q V | . | . | . | . |
| 5.500 | 4.4246 | 11.42 | .Q V | . | . | . | . |
| 5.517 | 4.4403 | 11.43 | .Q V | . | . | . | . |
| 5.533 | 4.4561 | 11.44 | .Q V | . | . | . | . |
| 5.550 | 4.4718 | 11.45 | .Q V | . | . | . | . |
| 5.567 | 4.4876 | 11.45 | .Q V | . | . | . | . |
| 5.583 | 4.5034 | 11.46 | .Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 5.600 | 4.5192 | 11.47 | .Q V | . | . | . | . |
| 5.617 | 4.5350 | 11.48 | .Q V | . | . | . | . |
| 5.633 | 4.5508 | 11.49 | .Q V | . | . | . | . |
| 5.650 | 4.5667 | 11.49 | .Q V | . | . | . | . |
| 5.667 | 4.5825 | 11.50 | .Q V | . | . | . | . |
| 5.683 | 4.5984 | 11.51 | .Q V | . | . | . | . |
| 5.700 | 4.6142 | 11.52 | .Q V | . | . | . | . |
| 5.717 | 4.6301 | 11.52 | .Q V | . | . | . | . |
| 5.733 | 4.6460 | 11.53 | .Q V | . | . | . | . |
| 5.750 | 4.6619 | 11.54 | .Q V | . | . | . | . |
| 5.767 | 4.6778 | 11.56 | .Q V | . | . | . | . |
| 5.783 | 4.6937 | 11.58 | .Q V | . | . | . | . |
| 5.800 | 4.7097 | 11.59 | .Q V | . | . | . | . |
| 5.817 | 4.7257 | 11.61 | .Q V | . | . | . | . |
| 5.833 | 4.7417 | 11.62 | .Q V | . | . | . | . |
| 5.850 | 4.7578 | 11.64 | .Q V | . | . | . | . |
| 5.867 | 4.7738 | 11.66 | .Q V | . | . | . | . |
| 5.883 | 4.7899 | 11.67 | .Q V | . | . | . | . |
| 5.900 | 4.8060 | 11.69 | .Q V | . | . | . | . |
| 5.917 | 4.8221 | 11.70 | .Q V | . | . | . | . |
| 5.933 | 4.8383 | 11.72 | .Q V | . | . | . | . |
| 5.950 | 4.8544 | 11.74 | .Q V | . | . | . | . |
| 5.967 | 4.8706 | 11.75 | .Q V | . | . | . | . |
| 5.983 | 4.8868 | 11.77 | .Q V | . | . | . | . |
| 6.000 | 4.9030 | 11.78 | .Q V | . | . | . | . |
| 6.017 | 4.9193 | 11.80 | .Q V | . | . | . | . |
| 6.033 | 4.9356 | 11.82 | .Q V | . | . | . | . |
| 6.050 | 4.9519 | 11.83 | .Q V | . | . | . | . |
| 6.067 | 4.9682 | 11.84 | .Q V | . | . | . | . |
| 6.083 | 4.9845 | 11.85 | .Q V | . | . | . | . |
| 6.100 | 5.0008 | 11.86 | .Q V | . | . | . | . |
| 6.117 | 5.0172 | 11.87 | .Q V | . | . | . | . |
| 6.133 | 5.0335 | 11.88 | .Q V | . | . | . | . |
| 6.150 | 5.0499 | 11.88 | .Q V | . | . | . | . |
| 6.167 | 5.0663 | 11.89 | .Q V | . | . | . | . |
| 6.183 | 5.0827 | 11.90 | .Q V | . | . | . | . |
| 6.200 | 5.0991 | 11.91 | .Q V | . | . | . | . |
| 6.217 | 5.1155 | 11.92 | .Q V | . | . | . | . |
| 6.233 | 5.1319 | 11.93 | .Q V | . | . | . | . |
| 6.250 | 5.1484 | 11.94 | .Q V | . | . | . | . |
| 6.267 | 5.1648 | 11.94 | .Q V | . | . | . | . |
| 6.283 | 5.1813 | 11.95 | .Q V | . | . | . | . |
| 6.300 | 5.1978 | 11.96 | .Q V | . | . | . | . |
| 6.317 | 5.2143 | 11.97 | .Q V | . | . | . | . |
| 6.333 | 5.2308 | 11.98 | .Q V | . | . | . | . |
| 6.350 | 5.2473 | 11.99 | .Q V | . | . | . | . |
| 6.367 | 5.2638 | 11.99 | .Q V | . | . | . | . |
| 6.383 | 5.2803 | 12.01 | .Q V | . | . | . | . |
| 6.400 | 5.2969 | 12.02 | .Q V | . | . | . | . |
| 6.417 | 5.3135 | 12.04 | .Q V | . | . | . | . |
| 6.433 | 5.3301 | 12.06 | .Q V | . | . | . | . |
| 6.450 | 5.3467 | 12.08 | .Q V | . | . | . | . |
| 6.467 | 5.3634 | 12.09 | .Q V | . | . | . | . |
| 6.483 | 5.3800 | 12.11 | .Q V | . | . | . | . |
| 6.500 | 5.3967 | 12.13 | .Q V | . | . | . | . |
| 6.517 | 5.4135 | 12.15 | .Q V | . | . | . | . |
| 6.533 | 5.4302 | 12.16 | .Q V | . | . | . | . |
| 6.550 | 5.4470 | 12.18 | .Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 6.567 | 5.4638 | 12.20 | .Q V | . | . | . | . |
| 6.583 | 5.4806 | 12.22 | .Q V | . | . | . | . |
| 6.600 | 5.4975 | 12.23 | .Q V | . | . | . | . |
| 6.617 | 5.5144 | 12.25 | .Q V | . | . | . | . |
| 6.633 | 5.5313 | 12.27 | .Q V | . | . | . | . |
| 6.650 | 5.5482 | 12.29 | .Q V | . | . | . | . |
| 6.667 | 5.5651 | 12.30 | .Q V | . | . | . | . |
| 6.683 | 5.5821 | 12.32 | .Q V | . | . | . | . |
| 6.700 | 5.5991 | 12.34 | .Q V | . | . | . | . |
| 6.717 | 5.6161 | 12.35 | .Q V | . | . | . | . |
| 6.733 | 5.6331 | 12.36 | .Q V | . | . | . | . |
| 6.750 | 5.6502 | 12.37 | .Q V | . | . | . | . |
| 6.767 | 5.6672 | 12.38 | .Q V | . | . | . | . |
| 6.783 | 5.6843 | 12.39 | .Q V | . | . | . | . |
| 6.800 | 5.7014 | 12.40 | .Q V | . | . | . | . |
| 6.817 | 5.7185 | 12.41 | .Q V | . | . | . | . |
| 6.833 | 5.7356 | 12.41 | .Q V | . | . | . | . |
| 6.850 | 5.7527 | 12.42 | .Q V | . | . | . | . |
| 6.867 | 5.7698 | 12.43 | .Q V | . | . | . | . |
| 6.883 | 5.7869 | 12.44 | .Q V | . | . | . | . |
| 6.900 | 5.8041 | 12.45 | .Q V | . | . | . | . |
| 6.917 | 5.8213 | 12.46 | .Q V | . | . | . | . |
| 6.933 | 5.8384 | 12.47 | .Q V | . | . | . | . |
| 6.950 | 5.8556 | 12.48 | .Q V | . | . | . | . |
| 6.967 | 5.8728 | 12.49 | .Q V | . | . | . | . |
| 6.983 | 5.8900 | 12.50 | .Q V | . | . | . | . |
| 7.000 | 5.9073 | 12.51 | .Q V | . | . | . | . |
| 7.017 | 5.9245 | 12.52 | .Q V | . | . | . | . |
| 7.033 | 5.9418 | 12.53 | .Q V | . | . | . | . |
| 7.050 | 5.9591 | 12.55 | .Q V | . | . | . | . |
| 7.067 | 5.9764 | 12.57 | .Q V | . | . | . | . |
| 7.083 | 5.9937 | 12.59 | .Q V | . | . | . | . |
| 7.100 | 6.0111 | 12.61 | .Q V | . | . | . | . |
| 7.117 | 6.0285 | 12.63 | .Q V | . | . | . | . |
| 7.133 | 6.0459 | 12.65 | .Q V | . | . | . | . |
| 7.150 | 6.0634 | 12.67 | .Q V | . | . | . | . |
| 7.167 | 6.0809 | 12.69 | .Q V | . | . | . | . |
| 7.183 | 6.0984 | 12.71 | .Q V | . | . | . | . |
| 7.200 | 6.1159 | 12.73 | .Q V | . | . | . | . |
| 7.217 | 6.1335 | 12.75 | .Q V | . | . | . | . |
| 7.233 | 6.1511 | 12.77 | .Q V | . | . | . | . |
| 7.250 | 6.1687 | 12.79 | .Q V | . | . | . | . |
| 7.267 | 6.1864 | 12.81 | .Q V | . | . | . | . |
| 7.283 | 6.2040 | 12.83 | .Q V | . | . | . | . |
| 7.300 | 6.2217 | 12.85 | .Q V | . | . | . | . |
| 7.317 | 6.2395 | 12.87 | .Q V | . | . | . | . |
| 7.333 | 6.2572 | 12.89 | .Q V | . | . | . | . |
| 7.350 | 6.2750 | 12.91 | .Q V | . | . | . | . |
| 7.367 | 6.2928 | 12.92 | .Q V | . | . | . | . |
| 7.383 | 6.3106 | 12.93 | .Q V | . | . | . | . |
| 7.400 | 6.3284 | 12.94 | .Q V | . | . | . | . |
| 7.417 | 6.3462 | 12.95 | .Q V | . | . | . | . |
| 7.433 | 6.3641 | 12.96 | .Q V | . | . | . | . |
| 7.450 | 6.3819 | 12.97 | .Q V | . | . | . | . |
| 7.467 | 6.3998 | 12.98 | .Q V | . | . | . | . |
| 7.483 | 6.4177 | 12.99 | .Q V | . | . | . | . |
| 7.500 | 6.4356 | 13.00 | .Q V | . | . | . | . |
| 7.517 | 6.4535 | 13.01 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 7.533 | 6.4715 | 13.02 | .Q | V | . | . | . | . |
| 7.550 | 6.4894 | 13.03 | .Q | V | . | . | . | . |
| 7.567 | 6.5074 | 13.04 | .Q | V | . | . | . | . |
| 7.583 | 6.5254 | 13.05 | .Q | V | . | . | . | . |
| 7.600 | 6.5433 | 13.06 | .Q | V | . | . | . | . |
| 7.617 | 6.5614 | 13.07 | .Q | V | . | . | . | . |
| 7.633 | 6.5794 | 13.08 | .Q | V | . | . | . | . |
| 7.650 | 6.5974 | 13.09 | .Q | V | . | . | . | . |
| 7.667 | 6.6155 | 13.11 | .Q | V | . | . | . | . |
| 7.683 | 6.6336 | 13.13 | .Q | V | . | . | . | . |
| 7.700 | 6.6517 | 13.15 | .Q | V | . | . | . | . |
| 7.717 | 6.6698 | 13.17 | .Q | V | . | . | . | . |
| 7.733 | 6.6880 | 13.20 | .Q | V | . | . | . | . |
| 7.750 | 6.7062 | 13.22 | .Q | V | . | . | . | . |
| 7.767 | 6.7244 | 13.24 | .Q | V | . | . | . | . |
| 7.783 | 6.7427 | 13.26 | .Q | V | . | . | . | . |
| 7.800 | 6.7610 | 13.29 | .Q | V | . | . | . | . |
| 7.817 | 6.7793 | 13.31 | .Q | V | . | . | . | . |
| 7.833 | 6.7977 | 13.33 | .Q | V | . | . | . | . |
| 7.850 | 6.8161 | 13.35 | .Q | V | . | . | . | . |
| 7.867 | 6.8345 | 13.37 | .Q | V | . | . | . | . |
| 7.883 | 6.8530 | 13.40 | .Q | V | . | . | . | . |
| 7.900 | 6.8714 | 13.42 | .Q | V | . | . | . | . |
| 7.917 | 6.8900 | 13.44 | .Q | V | . | . | . | . |
| 7.933 | 6.9085 | 13.46 | .Q | V | . | . | . | . |
| 7.950 | 6.9271 | 13.49 | .Q | V | . | . | . | . |
| 7.967 | 6.9457 | 13.51 | .Q | V | . | . | . | . |
| 7.983 | 6.9643 | 13.53 | .Q | V | . | . | . | . |
| 8.000 | 6.9830 | 13.54 | .Q | V | . | . | . | . |
| 8.017 | 7.0016 | 13.55 | .Q | V | . | . | . | . |
| 8.033 | 7.0203 | 13.57 | .Q | V | . | . | . | . |
| 8.050 | 7.0390 | 13.58 | .Q | V | . | . | . | . |
| 8.067 | 7.0577 | 13.59 | .Q | V | . | . | . | . |
| 8.083 | 7.0765 | 13.60 | .Q | V | . | . | . | . |
| 8.100 | 7.0952 | 13.61 | .Q | V | . | . | . | . |
| 8.117 | 7.1140 | 13.62 | .Q | V | . | . | . | . |
| 8.133 | 7.1328 | 13.64 | .Q | V | . | . | . | . |
| 8.150 | 7.1516 | 13.65 | .Q | V | . | . | . | . |
| 8.167 | 7.1704 | 13.66 | .Q | V | . | . | . | . |
| 8.183 | 7.1892 | 13.67 | .Q | V | . | . | . | . |
| 8.200 | 7.2081 | 13.68 | .Q | V | . | . | . | . |
| 8.217 | 7.2269 | 13.70 | .Q | V | . | . | . | . |
| 8.233 | 7.2458 | 13.71 | .Q | V | . | . | . | . |
| 8.250 | 7.2647 | 13.72 | .Q | V | . | . | . | . |
| 8.267 | 7.2836 | 13.73 | .Q | V | . | . | . | . |
| 8.283 | 7.3026 | 13.74 | .Q | V | . | . | . | . |
| 8.300 | 7.3215 | 13.76 | .Q | V | . | . | . | . |
| 8.317 | 7.3405 | 13.78 | .Q | V | . | . | . | . |
| 8.333 | 7.3595 | 13.80 | .Q | V | . | . | . | . |
| 8.350 | 7.3785 | 13.83 | .Q | V | . | . | . | . |
| 8.367 | 7.3976 | 13.85 | .Q | V | . | . | . | . |
| 8.383 | 7.4167 | 13.88 | .Q | V | . | . | . | . |
| 8.400 | 7.4359 | 13.90 | .Q | V | . | . | . | . |
| 8.417 | 7.4551 | 13.93 | .Q | V | . | . | . | . |
| 8.433 | 7.4743 | 13.95 | .Q | V | . | . | . | . |
| 8.450 | 7.4936 | 13.98 | .Q | V | . | . | . | . |
| 8.467 | 7.5128 | 14.01 | .Q | V | . | . | . | . |
| 8.483 | 7.5322 | 14.03 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 8.500 | 7.5515 | 14.06 | .Q | V | . | . | . | . |
| 8.517 | 7.5709 | 14.08 | .Q | V | . | . | . | . |
| 8.533 | 7.5904 | 14.11 | .Q | V | . | . | . | . |
| 8.550 | 7.6098 | 14.13 | .Q | V | . | . | . | . |
| 8.567 | 7.6293 | 14.16 | .Q | V | . | . | . | . |
| 8.583 | 7.6489 | 14.18 | .Q | V | . | . | . | . |
| 8.600 | 7.6684 | 14.21 | .Q | V | . | . | . | . |
| 8.617 | 7.6880 | 14.23 | .Q | V | . | . | . | . |
| 8.633 | 7.7077 | 14.25 | .Q | V | . | . | . | . |
| 8.650 | 7.7273 | 14.27 | .Q | V | . | . | . | . |
| 8.667 | 7.7470 | 14.28 | .Q | V | . | . | . | . |
| 8.683 | 7.7667 | 14.29 | .Q | V | . | . | . | . |
| 8.700 | 7.7864 | 14.31 | .Q | V | . | . | . | . |
| 8.717 | 7.8061 | 14.32 | .Q | V | . | . | . | . |
| 8.733 | 7.8259 | 14.33 | .Q | V | . | . | . | . |
| 8.750 | 7.8456 | 14.35 | .Q | V | . | . | . | . |
| 8.767 | 7.8654 | 14.36 | .Q | V | . | . | . | . |
| 8.783 | 7.8852 | 14.37 | .Q | V | . | . | . | . |
| 8.800 | 7.9050 | 14.39 | .Q | V | . | . | . | . |
| 8.817 | 7.9249 | 14.40 | .Q | V | . | . | . | . |
| 8.833 | 7.9447 | 14.42 | .Q | V | . | . | . | . |
| 8.850 | 7.9646 | 14.43 | .Q | V | . | . | . | . |
| 8.867 | 7.9845 | 14.44 | .Q | V | . | . | . | . |
| 8.883 | 8.0044 | 14.46 | .Q | V | . | . | . | . |
| 8.900 | 8.0243 | 14.47 | .Q | V | . | . | . | . |
| 8.917 | 8.0443 | 14.48 | .Q | V | . | . | . | . |
| 8.933 | 8.0642 | 14.50 | .Q | V | . | . | . | . |
| 8.950 | 8.0842 | 14.51 | .Q | V | . | . | . | . |
| 8.967 | 8.1043 | 14.54 | .Q | V | . | . | . | . |
| 8.983 | 8.1243 | 14.57 | .Q | V | . | . | . | . |
| 9.000 | 8.1444 | 14.60 | .Q | V | . | . | . | . |
| 9.017 | 8.1646 | 14.63 | .Q | V | . | . | . | . |
| 9.033 | 8.1848 | 14.66 | .Q | V | . | . | . | . |
| 9.050 | 8.2050 | 14.69 | .Q | V | . | . | . | . |
| 9.067 | 8.2253 | 14.72 | .Q | V | . | . | . | . |
| 9.083 | 8.2456 | 14.75 | .Q | V | . | . | . | . |
| 9.100 | 8.2660 | 14.78 | .Q | V | . | . | . | . |
| 9.117 | 8.2864 | 14.81 | .Q | V | . | . | . | . |
| 9.133 | 8.3068 | 14.83 | .Q | V | . | . | . | . |
| 9.150 | 8.3273 | 14.86 | .Q | V | . | . | . | . |
| 9.167 | 8.3478 | 14.89 | .Q | V | . | . | . | . |
| 9.183 | 8.3683 | 14.92 | .Q | V | . | . | . | . |
| 9.200 | 8.3889 | 14.95 | .Q | V | . | . | . | . |
| 9.217 | 8.4096 | 14.98 | .Q | V | . | . | . | . |
| 9.233 | 8.4302 | 15.01 | .Q | V | . | . | . | . |
| 9.250 | 8.4509 | 15.04 | .Q | V | . | . | . | . |
| 9.267 | 8.4717 | 15.07 | .Q | V | . | . | . | . |
| 9.283 | 8.4925 | 15.08 | .Q | V | . | . | . | . |
| 9.300 | 8.5133 | 15.10 | .Q | V | . | . | . | . |
| 9.317 | 8.5341 | 15.12 | .Q | V | . | . | . | . |
| 9.333 | 8.5549 | 15.13 | .Q | V | . | . | . | . |
| 9.350 | 8.5758 | 15.15 | .Q | V | . | . | . | . |
| 9.367 | 8.5967 | 15.16 | .Q | V | . | . | . | . |
| 9.383 | 8.6176 | 15.18 | .Q | V | . | . | . | . |
| 9.400 | 8.6385 | 15.19 | .Q | V | . | . | . | . |
| 9.417 | 8.6595 | 15.21 | .Q | V | . | . | . | . |
| 9.433 | 8.6804 | 15.23 | .Q | V | . | . | . | . |
| 9.450 | 8.7014 | 15.24 | .Q | V | . | . | . | . |

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|--------|--------|-------|----|---|---|---|---|---|
| 9.467 | 8.7225 | 15.26 | .Q | V | . | . | . | . |
| 9.483 | 8.7435 | 15.27 | .Q | V | . | . | . | . |
| 9.500 | 8.7645 | 15.29 | .Q | V | . | . | . | . |
| 9.517 | 8.7856 | 15.30 | .Q | V | . | . | . | . |
| 9.533 | 8.8067 | 15.32 | .Q | V | . | . | . | . |
| 9.550 | 8.8278 | 15.34 | .Q | V | . | . | . | . |
| 9.567 | 8.8490 | 15.35 | .Q | V | . | . | . | . |
| 9.583 | 8.8702 | 15.37 | .Q | V | . | . | . | . |
| 9.600 | 8.8914 | 15.40 | .Q | V | . | . | . | . |
| 9.617 | 8.9126 | 15.43 | .Q | V | . | . | . | . |
| 9.633 | 8.9339 | 15.46 | .Q | V | . | . | . | . |
| 9.650 | 8.9553 | 15.50 | .Q | V | . | . | . | . |
| 9.667 | 8.9767 | 15.53 | .Q | V | . | . | . | . |
| 9.683 | 8.9981 | 15.57 | .Q | V | . | . | . | . |
| 9.700 | 9.0196 | 15.60 | .Q | V | . | . | . | . |
| 9.717 | 9.0411 | 15.63 | .Q | V | . | . | . | . |
| 9.733 | 9.0627 | 15.67 | .Q | V | . | . | . | . |
| 9.750 | 9.0843 | 15.70 | .Q | V | . | . | . | . |
| 9.767 | 9.1060 | 15.74 | .Q | V | . | . | . | . |
| 9.783 | 9.1277 | 15.77 | .Q | V | . | . | . | . |
| 9.800 | 9.1495 | 15.80 | .Q | V | . | . | . | . |
| 9.817 | 9.1713 | 15.84 | .Q | V | . | . | . | . |
| 9.833 | 9.1932 | 15.87 | .Q | V | . | . | . | . |
| 9.850 | 9.2151 | 15.91 | .Q | V | . | . | . | . |
| 9.867 | 9.2370 | 15.94 | .Q | V | . | . | . | . |
| 9.883 | 9.2590 | 15.97 | .Q | V | . | . | . | . |
| 9.900 | 9.2811 | 16.01 | .Q | V | . | . | . | . |
| 9.917 | 9.3032 | 16.03 | .Q | V | . | . | . | . |
| 9.933 | 9.3253 | 16.05 | .Q | V | . | . | . | . |
| 9.950 | 9.3474 | 16.07 | .Q | V | . | . | . | . |
| 9.967 | 9.3696 | 16.09 | .Q | V | . | . | . | . |
| 9.983 | 9.3918 | 16.11 | .Q | V | . | . | . | . |
| 10.000 | 9.4140 | 16.13 | .Q | V | . | . | . | . |
| 10.017 | 9.4362 | 16.15 | .Q | V | . | . | . | . |
| 10.033 | 9.4585 | 16.16 | .Q | V | . | . | . | . |
| 10.050 | 9.4808 | 16.18 | .Q | V | . | . | . | . |
| 10.067 | 9.5031 | 16.20 | .Q | V | . | . | . | . |
| 10.083 | 9.5254 | 16.22 | .Q | V | . | . | . | . |
| 10.100 | 9.5478 | 16.24 | .Q | V | . | . | . | . |
| 10.117 | 9.5702 | 16.26 | .Q | V | . | . | . | . |
| 10.133 | 9.5926 | 16.27 | .Q | V | . | . | . | . |
| 10.150 | 9.6150 | 16.29 | .Q | V | . | . | . | . |
| 10.167 | 9.6375 | 16.31 | .Q | V | . | . | . | . |
| 10.183 | 9.6600 | 16.33 | .Q | V | . | . | . | . |
| 10.200 | 9.6825 | 16.35 | .Q | V | . | . | . | . |
| 10.217 | 9.7051 | 16.37 | .Q | V | . | . | . | . |
| 10.233 | 9.7276 | 16.39 | .Q | V | . | . | . | . |
| 10.250 | 9.7503 | 16.43 | .Q | V | . | . | . | . |
| 10.267 | 9.7729 | 16.47 | .Q | V | . | . | . | . |
| 10.283 | 9.7957 | 16.51 | .Q | V | . | . | . | . |
| 10.300 | 9.8185 | 16.55 | .Q | V | . | . | . | . |
| 10.317 | 9.8413 | 16.59 | .Q | V | . | . | . | . |
| 10.333 | 9.8642 | 16.63 | .Q | V | . | . | . | . |
| 10.350 | 9.8872 | 16.67 | .Q | V | . | . | . | . |
| 10.367 | 9.9102 | 16.71 | .Q | V | . | . | . | . |
| 10.383 | 9.9333 | 16.75 | .Q | V | . | . | . | . |
| 10.400 | 9.9564 | 16.79 | .Q | V | . | . | . | . |
| 10.417 | 9.9796 | 16.83 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 10.433 | 10.0028 | 16.87 | .Q | V | . | . | . | . |
| 10.450 | 10.0261 | 16.91 | .Q | V | . | . | . | . |
| 10.467 | 10.0495 | 16.95 | .Q | V | . | . | . | . |
| 10.483 | 10.0729 | 16.99 | .Q | V | . | . | . | . |
| 10.500 | 10.0964 | 17.03 | .Q | V | . | . | . | . |
| 10.517 | 10.1199 | 17.07 | .Q | V | . | . | . | . |
| 10.533 | 10.1435 | 17.11 | .Q | V | . | . | . | . |
| 10.550 | 10.1671 | 17.15 | .Q | V | . | . | . | . |
| 10.567 | 10.1907 | 17.18 | .Q | V | . | . | . | . |
| 10.583 | 10.2144 | 17.20 | .Q | V | . | . | . | . |
| 10.600 | 10.2382 | 17.22 | .Q | V | . | . | . | . |
| 10.617 | 10.2619 | 17.24 | .Q | V | . | . | . | . |
| 10.633 | 10.2857 | 17.27 | .Q | V | . | . | . | . |
| 10.650 | 10.3095 | 17.29 | .Q | V | . | . | . | . |
| 10.667 | 10.3333 | 17.31 | .Q | V | . | . | . | . |
| 10.683 | 10.3572 | 17.33 | .Q | V | . | . | . | . |
| 10.700 | 10.3811 | 17.35 | .Q | V | . | . | . | . |
| 10.717 | 10.4051 | 17.38 | .Q | V | . | . | . | . |
| 10.733 | 10.4290 | 17.40 | .Q | V | . | . | . | . |
| 10.750 | 10.4530 | 17.42 | .Q | V | . | . | . | . |
| 10.767 | 10.4770 | 17.44 | .Q | V | . | . | . | . |
| 10.783 | 10.5011 | 17.46 | .Q | V | . | . | . | . |
| 10.800 | 10.5252 | 17.49 | .Q | V | . | . | . | . |
| 10.817 | 10.5493 | 17.51 | .Q | V | . | . | . | . |
| 10.833 | 10.5734 | 17.53 | .Q | V | . | . | . | . |
| 10.850 | 10.5976 | 17.55 | .Q | V | . | . | . | . |
| 10.867 | 10.6218 | 17.57 | .Q | V | . | . | . | . |
| 10.883 | 10.6461 | 17.61 | .Q | V | . | . | . | . |
| 10.900 | 10.6704 | 17.66 | .Q | V | . | . | . | . |
| 10.917 | 10.6948 | 17.71 | .Q | V | . | . | . | . |
| 10.933 | 10.7193 | 17.76 | .Q | V | . | . | . | . |
| 10.950 | 10.7438 | 17.81 | .Q | V | . | . | . | . |
| 10.967 | 10.7684 | 17.86 | .Q | V | . | . | . | . |
| 10.983 | 10.7931 | 17.91 | .Q | V | . | . | . | . |
| 11.000 | 10.8178 | 17.95 | .Q | V | . | . | . | . |
| 11.017 | 10.8426 | 18.00 | .Q | V | . | . | . | . |
| 11.033 | 10.8675 | 18.05 | .Q | V | . | . | . | . |
| 11.050 | 10.8924 | 18.10 | .Q | V | . | . | . | . |
| 11.067 | 10.9174 | 18.15 | .Q | V | . | . | . | . |
| 11.083 | 10.9425 | 18.20 | .Q | V | . | . | . | . |
| 11.100 | 10.9676 | 18.25 | .Q | V | . | . | . | . |
| 11.117 | 10.9928 | 18.30 | .Q | V | . | . | . | . |
| 11.133 | 11.0181 | 18.34 | .Q | V | . | . | . | . |
| 11.150 | 11.0434 | 18.39 | .Q | V | . | . | . | . |
| 11.167 | 11.0688 | 18.44 | .Q | V | . | . | . | . |
| 11.183 | 11.0943 | 18.49 | .Q | V | . | . | . | . |
| 11.200 | 11.1198 | 18.53 | .Q | V | . | . | . | . |
| 11.217 | 11.1453 | 18.56 | .Q | V | . | . | . | . |
| 11.233 | 11.1709 | 18.58 | .Q | V | . | . | . | . |
| 11.250 | 11.1966 | 18.61 | .Q | V | . | . | . | . |
| 11.267 | 11.2223 | 18.64 | .Q | V | . | . | . | . |
| 11.283 | 11.2480 | 18.67 | .Q | V | . | . | . | . |
| 11.300 | 11.2737 | 18.69 | .Q | V | . | . | . | . |
| 11.317 | 11.2995 | 18.72 | .Q | V | . | . | . | . |
| 11.333 | 11.3253 | 18.75 | .Q | V | . | . | . | . |
| 11.350 | 11.3512 | 18.77 | .Q | V | . | . | . | . |
| 11.367 | 11.3771 | 18.80 | .Q | V | . | . | . | . |
| 11.383 | 11.4030 | 18.83 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|
| 11.400 | 11.4290 | 18.85 | .Q | V | . | . | . |
| 11.417 | 11.4550 | 18.88 | .Q | V | . | . | . |
| 11.433 | 11.4810 | 18.91 | .Q | V | . | . | . |
| 11.450 | 11.5071 | 18.93 | .Q | V | . | . | . |
| 11.467 | 11.5332 | 18.96 | .Q | V | . | . | . |
| 11.483 | 11.5594 | 18.99 | .Q | V | . | . | . |
| 11.500 | 11.5856 | 19.02 | .Q | V | . | . | . |
| 11.517 | 11.6118 | 19.05 | .Q | V | . | . | . |
| 11.533 | 11.6381 | 19.11 | .Q | V | . | . | . |
| 11.550 | 11.6645 | 19.17 | .Q | V | . | . | . |
| 11.567 | 11.6910 | 19.23 | .Q | V | . | . | . |
| 11.583 | 11.7176 | 19.29 | .Q | V | . | . | . |
| 11.600 | 11.7442 | 19.35 | .Q | V | . | . | . |
| 11.617 | 11.7710 | 19.41 | .Q | V | . | . | . |
| 11.633 | 11.7978 | 19.47 | .Q | V | . | . | . |
| 11.650 | 11.8247 | 19.53 | .Q | V | . | . | . |
| 11.667 | 11.8517 | 19.59 | .Q | V | . | . | . |
| 11.683 | 11.8787 | 19.65 | .Q | V | . | . | . |
| 11.700 | 11.9059 | 19.71 | .Q | V | . | . | . |
| 11.717 | 11.9331 | 19.77 | .Q | V | . | . | . |
| 11.733 | 11.9604 | 19.83 | .Q | V | . | . | . |
| 11.750 | 11.9878 | 19.89 | .Q | V | . | . | . |
| 11.767 | 12.0153 | 19.95 | .Q | V | . | . | . |
| 11.783 | 12.0429 | 20.01 | .Q | V | . | . | . |
| 11.800 | 12.0705 | 20.07 | .Q | V | . | . | . |
| 11.817 | 12.0983 | 20.13 | .Q | V | . | . | . |
| 11.833 | 12.1261 | 20.19 | .Q | V | . | . | . |
| 11.850 | 12.1539 | 20.23 | .Q | V | . | . | . |
| 11.867 | 12.1818 | 20.26 | .Q | V | . | . | . |
| 11.883 | 12.2098 | 20.30 | .Q | V | . | . | . |
| 11.900 | 12.2378 | 20.33 | .Q | V | . | . | . |
| 11.917 | 12.2659 | 20.37 | .Q | V | . | . | . |
| 11.933 | 12.2939 | 20.40 | .Q | V | . | . | . |
| 11.950 | 12.3221 | 20.43 | .Q | V | . | . | . |
| 11.967 | 12.3503 | 20.47 | .Q | V | . | . | . |
| 11.983 | 12.3785 | 20.50 | .Q | V | . | . | . |
| 12.000 | 12.4068 | 20.53 | .Q | V | . | . | . |
| 12.017 | 12.4351 | 20.57 | .Q | V | . | . | . |
| 12.033 | 12.4635 | 20.60 | .Q | V | . | . | . |
| 12.050 | 12.4919 | 20.64 | .Q | V | . | . | . |
| 12.067 | 12.5204 | 20.67 | .Q | V | . | . | . |
| 12.083 | 12.5489 | 20.70 | .Q | V | . | . | . |
| 12.100 | 12.5775 | 20.74 | .Q | V | . | . | . |
| 12.117 | 12.6061 | 20.77 | .Q | V | . | . | . |
| 12.133 | 12.6348 | 20.81 | .Q | V | . | . | . |
| 12.150 | 12.6635 | 20.84 | .Q | V | . | . | . |
| 12.167 | 12.6926 | 21.13 | .Q | V | . | . | . |
| 12.183 | 12.7223 | 21.57 | .Q | V | . | . | . |
| 12.200 | 12.7526 | 22.01 | .Q | V | . | . | . |
| 12.217 | 12.7835 | 22.45 | .Q | V | . | . | . |
| 12.233 | 12.8151 | 22.89 | .Q | V | . | . | . |
| 12.250 | 12.8472 | 23.33 | .Q | V | . | . | . |
| 12.267 | 12.8799 | 23.77 | .Q | V | . | . | . |
| 12.283 | 12.9133 | 24.21 | .Q | V | . | . | . |
| 12.300 | 12.9472 | 24.65 | .Q | V | . | . | . |
| 12.317 | 12.9818 | 25.10 | .Q | V | . | . | . |
| 12.333 | 13.0170 | 25.54 | .Q | V | . | . | . |
| 12.350 | 13.0528 | 25.98 | .Q | V | . | . | . |

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|--------|---------|-------|----|----|---|---|---|
| 12.367 | 13.0892 | 26.42 | .Q | V | . | . | . |
| 12.383 | 13.1262 | 26.86 | .Q | V | . | . | . |
| 12.400 | 13.1638 | 27.30 | .Q | V | . | . | . |
| 12.417 | 13.2020 | 27.74 | .Q | V | . | . | . |
| 12.433 | 13.2408 | 28.18 | .Q | V | . | . | . |
| 12.450 | 13.2802 | 28.62 | .Q | V | . | . | . |
| 12.467 | 13.3203 | 29.07 | .Q | V | . | . | . |
| 12.483 | 13.3607 | 29.36 | .Q | V | . | . | . |
| 12.500 | 13.4012 | 29.41 | .Q | V | . | . | . |
| 12.517 | 13.4418 | 29.46 | .Q | V | . | . | . |
| 12.533 | 13.4824 | 29.51 | .Q | V | . | . | . |
| 12.550 | 13.5231 | 29.55 | .Q | V | . | . | . |
| 12.567 | 13.5639 | 29.60 | .Q | V | . | . | . |
| 12.583 | 13.6047 | 29.65 | .Q | V | . | . | . |
| 12.600 | 13.6456 | 29.69 | .Q | V | . | . | . |
| 12.617 | 13.6866 | 29.74 | .Q | V | . | . | . |
| 12.633 | 13.7276 | 29.79 | .Q | V | . | . | . |
| 12.650 | 13.7687 | 29.84 | .Q | V | . | . | . |
| 12.667 | 13.8099 | 29.88 | .Q | V | . | . | . |
| 12.683 | 13.8511 | 29.93 | .Q | V | . | . | . |
| 12.700 | 13.8924 | 29.98 | .Q | V | . | . | . |
| 12.717 | 13.9338 | 30.02 | .Q | V | . | . | . |
| 12.733 | 13.9752 | 30.07 | .Q | V | . | . | . |
| 12.750 | 14.0167 | 30.12 | .Q | V | . | . | . |
| 12.767 | 14.0582 | 30.17 | .Q | V | . | . | . |
| 12.783 | 14.0999 | 30.21 | .Q | V | . | . | . |
| 12.800 | 14.1415 | 30.27 | .Q | V | . | . | . |
| 12.817 | 14.1834 | 30.38 | .Q | V | . | . | . |
| 12.833 | 14.2254 | 30.48 | .Q | V | . | . | . |
| 12.850 | 14.2675 | 30.59 | .Q | V | . | . | . |
| 12.867 | 14.3098 | 30.70 | .Q | V | . | . | . |
| 12.883 | 14.3522 | 30.81 | .Q | V | . | . | . |
| 12.900 | 14.3948 | 30.92 | .Q | V | . | . | . |
| 12.917 | 14.4376 | 31.03 | .Q | V | . | . | . |
| 12.933 | 14.4805 | 31.14 | .Q | .V | . | . | . |
| 12.950 | 14.5235 | 31.25 | .Q | .V | . | . | . |
| 12.967 | 14.5667 | 31.35 | .Q | .V | . | . | . |
| 12.983 | 14.6100 | 31.46 | .Q | .V | . | . | . |
| 13.000 | 14.6535 | 31.57 | .Q | .V | . | . | . |
| 13.017 | 14.6971 | 31.68 | .Q | .V | . | . | . |
| 13.033 | 14.7409 | 31.79 | .Q | .V | . | . | . |
| 13.050 | 14.7849 | 31.90 | .Q | .V | . | . | . |
| 13.067 | 14.8290 | 32.01 | .Q | .V | . | . | . |
| 13.083 | 14.8732 | 32.12 | .Q | .V | . | . | . |
| 13.100 | 14.9176 | 32.22 | .Q | .V | . | . | . |
| 13.117 | 14.9621 | 32.33 | .Q | .V | . | . | . |
| 13.133 | 15.0067 | 32.40 | .Q | .V | . | . | . |
| 13.150 | 15.0515 | 32.47 | .Q | .V | . | . | . |
| 13.167 | 15.0963 | 32.53 | .Q | .V | . | . | . |
| 13.183 | 15.1412 | 32.59 | .Q | .V | . | . | . |
| 13.200 | 15.1861 | 32.66 | .Q | .V | . | . | . |
| 13.217 | 15.2312 | 32.72 | .Q | .V | . | . | . |
| 13.233 | 15.2764 | 32.78 | .Q | .V | . | . | . |
| 13.250 | 15.3216 | 32.85 | .Q | .V | . | . | . |
| 13.267 | 15.3669 | 32.91 | .Q | .V | . | . | . |
| 13.283 | 15.4124 | 32.97 | .Q | .V | . | . | . |
| 13.300 | 15.4579 | 33.04 | .Q | .V | . | . | . |
| 13.317 | 15.5035 | 33.10 | .Q | .V | . | . | . |

| | | | | | | | | |
|--------|---------|-------|---|---|----|---|---|---|
| 13.333 | 15.5491 | 33.16 | . | Q | .V | . | . | . |
| 13.350 | 15.5949 | 33.23 | . | Q | .V | . | . | . |
| 13.367 | 15.6408 | 33.29 | . | Q | .V | . | . | . |
| 13.383 | 15.6867 | 33.35 | . | Q | .V | . | . | . |
| 13.400 | 15.7327 | 33.42 | . | Q | .V | . | . | . |
| 13.417 | 15.7789 | 33.48 | . | Q | .V | . | . | . |
| 13.433 | 15.8251 | 33.54 | . | Q | .V | . | . | . |
| 13.450 | 15.8714 | 33.66 | . | Q | .V | . | . | . |
| 13.467 | 15.9180 | 33.81 | . | Q | .V | . | . | . |
| 13.483 | 15.9648 | 33.96 | . | Q | .V | . | . | . |
| 13.500 | 16.0117 | 34.11 | . | Q | .V | . | . | . |
| 13.517 | 16.0589 | 34.26 | . | Q | .V | . | . | . |
| 13.533 | 16.1063 | 34.41 | . | Q | .V | . | . | . |
| 13.550 | 16.1540 | 34.56 | . | Q | .V | . | . | . |
| 13.567 | 16.2018 | 34.72 | . | Q | .V | . | . | . |
| 13.583 | 16.2498 | 34.87 | . | Q | .V | . | . | . |
| 13.600 | 16.2980 | 35.02 | . | Q | .V | . | . | . |
| 13.617 | 16.3465 | 35.17 | . | Q | .V | . | . | . |
| 13.633 | 16.3951 | 35.32 | . | Q | .V | . | . | . |
| 13.650 | 16.4440 | 35.47 | . | Q | .V | . | . | . |
| 13.667 | 16.4930 | 35.62 | . | Q | .V | . | . | . |
| 13.683 | 16.5423 | 35.77 | . | Q | .V | . | . | . |
| 13.700 | 16.5918 | 35.92 | . | Q | .V | . | . | . |
| 13.717 | 16.6415 | 36.07 | . | Q | .V | . | . | . |
| 13.733 | 16.6914 | 36.23 | . | Q | .V | . | . | . |
| 13.750 | 16.7415 | 36.38 | . | Q | .V | . | . | . |
| 13.767 | 16.7918 | 36.51 | . | Q | .V | . | . | . |
| 13.783 | 16.8422 | 36.60 | . | Q | .V | . | . | . |
| 13.800 | 16.8927 | 36.69 | . | Q | .V | . | . | . |
| 13.817 | 16.9434 | 36.78 | . | Q | .V | . | . | . |
| 13.833 | 16.9942 | 36.87 | . | Q | .V | . | . | . |
| 13.850 | 17.0451 | 36.97 | . | Q | .V | . | . | . |
| 13.867 | 17.0961 | 37.06 | . | Q | .V | . | . | . |
| 13.883 | 17.1473 | 37.15 | . | Q | .V | . | . | . |
| 13.900 | 17.1986 | 37.24 | . | Q | .V | . | . | . |
| 13.917 | 17.2500 | 37.33 | . | Q | .V | . | . | . |
| 13.933 | 17.3016 | 37.42 | . | Q | .V | . | . | . |
| 13.950 | 17.3532 | 37.51 | . | Q | .V | . | . | . |
| 13.967 | 17.4050 | 37.61 | . | Q | .V | . | . | . |
| 13.983 | 17.4570 | 37.70 | . | Q | .V | . | . | . |
| 14.000 | 17.5090 | 37.79 | . | Q | .V | . | . | . |
| 14.017 | 17.5612 | 37.88 | . | Q | .V | . | . | . |
| 14.033 | 17.6135 | 37.97 | . | Q | .V | . | . | . |
| 14.050 | 17.6659 | 38.06 | . | Q | .V | . | . | . |
| 14.067 | 17.7185 | 38.15 | . | Q | .V | . | . | . |
| 14.083 | 17.7712 | 38.26 | . | Q | .V | . | . | . |
| 14.100 | 17.8241 | 38.45 | . | Q | .V | . | . | . |
| 14.117 | 17.8774 | 38.66 | . | Q | .V | . | . | . |
| 14.133 | 17.9309 | 38.86 | . | Q | .V | . | . | . |
| 14.150 | 17.9847 | 39.06 | . | Q | .V | . | . | . |
| 14.167 | 18.0388 | 39.26 | . | Q | .V | . | . | . |
| 14.183 | 18.0932 | 39.47 | . | Q | .V | . | . | . |
| 14.200 | 18.1478 | 39.67 | . | Q | .V | . | . | . |
| 14.217 | 18.2027 | 39.87 | . | Q | .V | . | . | . |
| 14.233 | 18.2579 | 40.07 | . | Q | .V | . | . | . |
| 14.250 | 18.3134 | 40.28 | . | Q | .V | . | . | . |
| 14.267 | 18.3692 | 40.48 | . | Q | .V | . | . | . |
| 14.283 | 18.4252 | 40.68 | . | Q | .V | . | . | . |

| | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|
| 14.300 | 18.4815 | 40.88 | . | Q | . | V | . | . |
| 14.317 | 18.5381 | 41.09 | . | Q | . | V | . | . |
| 14.333 | 18.5950 | 41.29 | . | Q | . | V | . | . |
| 14.350 | 18.6521 | 41.49 | . | Q | . | V | . | . |
| 14.367 | 18.7096 | 41.70 | . | Q | . | V | . | . |
| 14.383 | 18.7673 | 41.90 | . | Q | . | V | . | . |
| 14.400 | 18.8253 | 42.10 | . | Q | . | V | . | . |
| 14.417 | 18.8835 | 42.26 | . | Q | . | V | . | . |
| 14.433 | 18.9419 | 42.41 | . | Q | . | V | . | . |
| 14.450 | 19.0005 | 42.56 | . | Q | . | V | . | . |
| 14.467 | 19.0593 | 42.71 | . | Q | . | V | . | . |
| 14.483 | 19.1183 | 42.85 | . | Q | . | V | . | . |
| 14.500 | 19.1776 | 43.00 | . | Q | . | V | . | . |
| 14.517 | 19.2370 | 43.15 | . | Q | . | V | . | . |
| 14.533 | 19.2967 | 43.30 | . | Q | . | V | . | . |
| 14.550 | 19.3565 | 43.45 | . | Q | . | V | . | . |
| 14.567 | 19.4166 | 43.60 | . | Q | . | V | . | . |
| 14.583 | 19.4768 | 43.75 | . | Q | . | V | . | . |
| 14.600 | 19.5373 | 43.89 | . | Q | . | V | . | . |
| 14.617 | 19.5979 | 44.04 | . | Q | . | V | . | . |
| 14.633 | 19.6588 | 44.19 | . | Q | . | V | . | . |
| 14.650 | 19.7199 | 44.34 | . | Q | . | V | . | . |
| 14.667 | 19.7812 | 44.49 | . | Q | . | V | . | . |
| 14.683 | 19.8426 | 44.64 | . | Q | . | V | . | . |
| 14.700 | 19.9043 | 44.79 | . | Q | . | V | . | . |
| 14.717 | 19.9662 | 44.93 | . | Q | . | V | . | . |
| 14.733 | 20.0285 | 45.24 | . | Q | . | V | . | . |
| 14.750 | 20.0915 | 45.69 | . | Q | . | V | . | . |
| 14.767 | 20.1550 | 46.14 | . | Q | . | V | . | . |
| 14.783 | 20.2192 | 46.59 | . | Q | . | V | . | . |
| 14.800 | 20.2840 | 47.04 | . | Q | . | V | . | . |
| 14.817 | 20.3494 | 47.48 | . | Q | . | V | . | . |
| 14.833 | 20.4154 | 47.93 | . | Q | . | V | . | . |
| 14.850 | 20.4821 | 48.38 | . | Q | . | V | . | . |
| 14.867 | 20.5493 | 48.83 | . | Q | . | V | . | . |
| 14.883 | 20.6172 | 49.27 | . | Q | . | V | . | . |
| 14.900 | 20.6857 | 49.72 | . | Q | . | V | . | . |
| 14.917 | 20.7548 | 50.17 | . | Q | . | V | . | . |
| 14.933 | 20.8245 | 50.62 | . | Q | . | V | . | . |
| 14.950 | 20.8948 | 51.07 | . | Q | . | V | . | . |
| 14.967 | 20.9658 | 51.51 | . | Q | . | V | . | . |
| 14.983 | 21.0374 | 51.96 | . | Q | . | V | . | . |
| 15.000 | 21.1096 | 52.41 | . | Q | . | V | . | . |
| 15.017 | 21.1824 | 52.86 | . | Q | . | V | . | . |
| 15.033 | 21.2558 | 53.30 | . | Q | . | V | . | . |
| 15.050 | 21.3298 | 53.75 | . | Q | . | V | . | . |
| 15.067 | 21.4045 | 54.21 | . | Q | . | V | . | . |
| 15.083 | 21.4798 | 54.66 | . | Q | . | V | . | . |
| 15.100 | 21.5557 | 55.11 | . | Q | . | V | . | . |
| 15.117 | 21.6322 | 55.57 | . | Q | . | V | . | . |
| 15.133 | 21.7094 | 56.02 | . | Q | . | V | . | . |
| 15.150 | 21.7872 | 56.47 | . | Q | . | V | . | . |
| 15.167 | 21.8656 | 56.92 | . | Q | . | V | . | . |
| 15.183 | 21.9446 | 57.38 | . | Q | . | V | . | . |
| 15.200 | 22.0243 | 57.83 | . | Q | . | V | . | . |
| 15.217 | 22.1045 | 58.28 | . | Q | . | V | . | . |
| 15.233 | 22.1855 | 58.74 | . | Q | . | V | . | . |
| 15.250 | 22.2670 | 59.19 | . | Q | . | V | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|----|---|-----|---|---|---|
| 15.267 | 22.3491 | 59.64 | . | Q | . | V | . | . | . |
| 15.283 | 22.4319 | 60.10 | . | Q | . | V | . | . | . |
| 15.300 | 22.5153 | 60.55 | . | Q | . | V | . | . | . |
| 15.317 | 22.5993 | 61.00 | . | Q | . | V | . | . | . |
| 15.333 | 22.6840 | 61.45 | . | Q | . | V | . | . | . |
| 15.350 | 22.7692 | 61.91 | . | Q | . | V | . | . | . |
| 15.367 | 22.8552 | 62.41 | . | Q | . | V | . | . | . |
| 15.383 | 22.9422 | 63.16 | . | Q | . | V | . | . | . |
| 15.400 | 23.0303 | 63.95 | . | Q | . | V | . | . | . |
| 15.417 | 23.1195 | 64.74 | . | Q | . | V | . | . | . |
| 15.433 | 23.2097 | 65.53 | . | Q | . | V | . | . | . |
| 15.450 | 23.3011 | 66.32 | . | Q | . | V | . | . | . |
| 15.467 | 23.3935 | 67.11 | . | Q | . | V | . | . | . |
| 15.483 | 23.4870 | 67.90 | . | Q | . | V | . | . | . |
| 15.500 | 23.5817 | 68.69 | . | Q | . | V | . | . | . |
| 15.517 | 23.6774 | 69.48 | . | Q | . | V | . | . | . |
| 15.533 | 23.7742 | 70.28 | . | Q | . | V | . | . | . |
| 15.550 | 23.8720 | 71.07 | . | Q | . | V | . | . | . |
| 15.567 | 23.9710 | 71.86 | . | Q | . | V | . | . | . |
| 15.583 | 24.0711 | 72.65 | . | Q | . | V | . | . | . |
| 15.600 | 24.1722 | 73.44 | . | Q | . | V | . | . | . |
| 15.617 | 24.2745 | 74.23 | . | Q | . | V | . | . | . |
| 15.633 | 24.3778 | 75.02 | . | Q | . | V | . | . | . |
| 15.650 | 24.4823 | 75.81 | . | Q | . | V | . | . | . |
| 15.667 | 24.5878 | 76.60 | . | Q | . | V | . | . | . |
| 15.683 | 24.6944 | 77.44 | . | Q | . | V | . | . | . |
| 15.700 | 24.8037 | 79.32 | . | Q | . | V | . | . | . |
| 15.717 | 24.9161 | 81.62 | . | Q | . | V | . | . | . |
| 15.733 | 25.0317 | 83.91 | . | Q | . | V | . | . | . |
| 15.750 | 25.1504 | 86.20 | . | Q | . | V | . | . | . |
| 15.767 | 25.2723 | 88.49 | . | Q | . | V | . | . | . |
| 15.783 | 25.3973 | 90.78 | . | Q | . | V | . | . | . |
| 15.800 | 25.5255 | 93.07 | . | Q | . | V | . | . | . |
| 15.817 | 25.6569 | 95.36 | . | Q | . | V | . | . | . |
| 15.833 | 25.7914 | 97.65 | . | Q | . | V | . | . | . |
| 15.850 | 25.9291 | 99.94 | . | Q | . | V | . | . | . |
| 15.867 | 26.0699 | 102.23 | . | Q | . | V | . | . | . |
| 15.883 | 26.2139 | 104.53 | . | Q | . | V | . | . | . |
| 15.900 | 26.3610 | 106.82 | . | Q | . | V | . | . | . |
| 15.917 | 26.5113 | 109.11 | . | Q | . | V | . | . | . |
| 15.933 | 26.6647 | 111.40 | . | Q | . | V | . | . | . |
| 15.950 | 26.8213 | 113.69 | . | .Q | . | V | . | . | . |
| 15.967 | 26.9811 | 115.98 | . | .Q | . | V | . | . | . |
| 15.983 | 27.1440 | 118.27 | . | .Q | . | V | . | . | . |
| 16.000 | 27.3100 | 120.56 | . | .Q | . | V | . | . | . |
| 16.017 | 27.4878 | 129.08 | . | .Q | . | V | . | . | . |
| 16.033 | 27.6859 | 143.81 | . | . | Q | .V | . | . | . |
| 16.050 | 27.9043 | 158.55 | . | . | Q | .V | . | . | . |
| 16.067 | 28.1430 | 173.28 | . | . | Q | .V | . | . | . |
| 16.083 | 28.4020 | 188.02 | . | . | Q | .V | . | . | . |
| 16.100 | 28.6812 | 202.75 | . | . | Q | .V | . | . | . |
| 16.117 | 28.9808 | 217.49 | . | . | . | .QV | . | . | . |
| 16.133 | 29.3007 | 232.22 | . | . | . | .Q | . | . | . |
| 16.150 | 29.6408 | 246.96 | . | . | . | .V | Q | . | . |
| 16.167 | 30.0013 | 261.69 | . | . | . | .V | Q | . | . |
| 16.183 | 30.3820 | 276.43 | . | . | . | .V | Q | . | . |
| 16.200 | 30.7831 | 291.16 | . | . | . | .V | Q | . | . |
| 16.217 | 31.2044 | 305.90 | . | . | . | .V | Q | . | . |

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|--------|---------|--------|---|---|---|----|----|----|---|
| 16.233 | 31.6461 | 320.63 | . | . | . | V | . | .Q | . |
| 16.250 | 32.1080 | 335.37 | . | . | . | V | . | Q | . |
| 16.267 | 32.5903 | 350.10 | . | . | . | V | . | Q | . |
| 16.283 | 33.0928 | 364.84 | . | . | . | V | . | Q | . |
| 16.300 | 33.6156 | 379.57 | . | . | . | V | . | Q | . |
| 16.317 | 34.1587 | 394.31 | . | . | . | V | . | Q | . |
| 16.333 | 34.7173 | 405.51 | . | . | . | V | . | Q | . |
| 16.350 | 35.2463 | 384.09 | . | . | . | V | . | Q | . |
| 16.367 | 35.7516 | 366.82 | . | . | . | V | . | Q | . |
| 16.383 | 36.2331 | 349.54 | . | . | . | V | . | Q | . |
| 16.400 | 36.6907 | 332.27 | . | . | . | V | . | Q | . |
| 16.417 | 37.1246 | 315.00 | . | . | . | V | . | Q | . |
| 16.433 | 37.5347 | 297.72 | . | . | . | VQ | . | . | . |
| 16.450 | 37.9210 | 280.45 | . | . | . | QV | . | . | . |
| 16.467 | 38.2835 | 263.18 | . | . | . | Q | V | . | . |
| 16.483 | 38.6222 | 245.90 | . | . | . | Q | V | . | . |
| 16.500 | 38.9371 | 228.63 | . | . | . | Q | V | . | . |
| 16.517 | 39.2282 | 211.36 | . | . | . | Q | V | . | . |
| 16.533 | 39.4956 | 194.08 | . | . | . | Q | V | . | . |
| 16.550 | 39.7391 | 176.81 | . | . | . | Q | V | . | . |
| 16.567 | 39.9588 | 159.54 | . | . | . | Q | V | . | . |
| 16.583 | 40.1548 | 142.26 | . | . | . | Q | V | . | . |
| 16.600 | 40.3270 | 124.99 | . | . | . | Q | V | . | . |
| 16.617 | 40.4753 | 107.72 | . | . | . | Q | V | . | . |
| 16.633 | 40.5999 | 90.44 | . | . | . | Q | V | . | . |
| 16.650 | 40.7032 | 75.01 | . | . | . | Q | .V | . | . |
| 16.667 | 40.8018 | 71.59 | . | . | . | Q | .V | . | . |
| 16.683 | 40.8987 | 70.32 | . | . | . | Q | .V | . | . |
| 16.700 | 40.9938 | 69.06 | . | . | . | Q | .V | . | . |
| 16.717 | 41.0872 | 67.80 | . | . | . | Q | .V | . | . |
| 16.733 | 41.1789 | 66.54 | . | . | . | Q | .V | . | . |
| 16.750 | 41.2688 | 65.28 | . | . | . | Q | .V | . | . |
| 16.767 | 41.3570 | 64.01 | . | . | . | Q | .V | . | . |
| 16.783 | 41.4434 | 62.75 | . | . | . | Q | .V | . | . |
| 16.800 | 41.5281 | 61.49 | . | . | . | Q | .V | . | . |
| 16.817 | 41.6110 | 60.23 | . | . | . | Q | .V | . | . |
| 16.833 | 41.6923 | 58.97 | . | . | . | Q | .V | . | . |
| 16.850 | 41.7718 | 57.70 | . | . | . | Q | .V | . | . |
| 16.867 | 41.8495 | 56.44 | . | . | . | Q | .V | . | . |
| 16.883 | 41.9255 | 55.18 | . | . | . | Q | .V | . | . |
| 16.900 | 41.9998 | 53.92 | . | . | . | Q | .V | . | . |
| 16.917 | 42.0723 | 52.66 | . | . | . | Q | .V | . | . |
| 16.933 | 42.1431 | 51.39 | . | . | . | Q | .V | . | . |
| 16.950 | 42.2122 | 50.13 | . | . | . | Q | .V | . | . |
| 16.967 | 42.2795 | 48.89 | . | . | . | Q | .V | . | . |
| 16.983 | 42.3459 | 48.20 | . | . | . | Q | .V | . | . |
| 17.000 | 42.4117 | 47.76 | . | . | . | Q | .V | . | . |
| 17.017 | 42.4769 | 47.33 | . | . | . | Q | .V | . | . |
| 17.033 | 42.5415 | 46.89 | . | . | . | Q | .V | . | . |
| 17.050 | 42.6054 | 46.45 | . | . | . | Q | .V | . | . |
| 17.067 | 42.6688 | 46.02 | . | . | . | Q | .V | . | . |
| 17.083 | 42.7316 | 45.58 | . | . | . | Q | .V | . | . |
| 17.100 | 42.7938 | 45.14 | . | . | . | Q | .V | . | . |
| 17.117 | 42.8554 | 44.70 | . | . | . | Q | .V | . | . |
| 17.133 | 42.9163 | 44.27 | . | . | . | Q | .V | . | . |
| 17.150 | 42.9767 | 43.83 | . | . | . | Q | .V | . | . |
| 17.167 | 43.0365 | 43.39 | . | . | . | Q | .V | . | . |
| 17.183 | 43.0956 | 42.95 | . | . | . | Q | .V | . | . |

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|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 43.1542 | 42.52 | . Q | . | . | . V | . |
| 17.217 | 43.2122 | 42.08 | . Q | . | . | . V | . |
| 17.233 | 43.2695 | 41.64 | . Q | . | . | . V | . |
| 17.250 | 43.3263 | 41.21 | . Q | . | . | . V | . |
| 17.267 | 43.3824 | 40.77 | . Q | . | . | . V | . |
| 17.283 | 43.4380 | 40.33 | . Q | . | . | . V | . |
| 17.300 | 43.4930 | 39.97 | . Q | . | . | . V | . |
| 17.317 | 43.5477 | 39.70 | . Q | . | . | . V | . |
| 17.333 | 43.6020 | 39.44 | . Q | . | . | . V | . |
| 17.350 | 43.6560 | 39.17 | . Q | . | . | . V | . |
| 17.367 | 43.7096 | 38.90 | . Q | . | . | . V | . |
| 17.383 | 43.7628 | 38.63 | . Q | . | . | . V | . |
| 17.400 | 43.8156 | 38.36 | . Q | . | . | . V | . |
| 17.417 | 43.8681 | 38.10 | . Q | . | . | . V | . |
| 17.433 | 43.9202 | 37.83 | . Q | . | . | . V | . |
| 17.450 | 43.9720 | 37.56 | . Q | . | . | . V | . |
| 17.467 | 44.0233 | 37.29 | . Q | . | . | . V | . |
| 17.483 | 44.0743 | 37.03 | . Q | . | . | . V | . |
| 17.500 | 44.1249 | 36.76 | . Q | . | . | . V | . |
| 17.517 | 44.1752 | 36.49 | . Q | . | . | . V | . |
| 17.533 | 44.2251 | 36.22 | . Q | . | . | . V | . |
| 17.550 | 44.2746 | 35.95 | . Q | . | . | . V | . |
| 17.567 | 44.3238 | 35.69 | . Q | . | . | . V | . |
| 17.583 | 44.3726 | 35.42 | . Q | . | . | . V | . |
| 17.600 | 44.4210 | 35.15 | . Q | . | . | . V | . |
| 17.617 | 44.4691 | 34.90 | . Q | . | . | . V | . |
| 17.633 | 44.5169 | 34.71 | . Q | . | . | . V | . |
| 17.650 | 44.5644 | 34.52 | . Q | . | . | . V | . |
| 17.667 | 44.6117 | 34.32 | . Q | . | . | . V | . |
| 17.683 | 44.6587 | 34.13 | . Q | . | . | . V | . |
| 17.700 | 44.7055 | 33.94 | . Q | . | . | . V | . |
| 17.717 | 44.7519 | 33.75 | . Q | . | . | . V | . |
| 17.733 | 44.7982 | 33.56 | . Q | . | . | . V | . |
| 17.750 | 44.8441 | 33.37 | . Q | . | . | . V | . |
| 17.767 | 44.8898 | 33.18 | . Q | . | . | . V | . |
| 17.783 | 44.9353 | 32.99 | . Q | . | . | . V | . |
| 17.800 | 44.9804 | 32.79 | . Q | . | . | . V | . |
| 17.817 | 45.0253 | 32.60 | . Q | . | . | . V | . |
| 17.833 | 45.0700 | 32.41 | . Q | . | . | . V | . |
| 17.850 | 45.1144 | 32.22 | . Q | . | . | . V | . |
| 17.867 | 45.1585 | 32.03 | . Q | . | . | . V | . |
| 17.883 | 45.2023 | 31.84 | . Q | . | . | . V | . |
| 17.900 | 45.2459 | 31.65 | . Q | . | . | . V | . |
| 17.917 | 45.2892 | 31.45 | . Q | . | . | . V | . |
| 17.933 | 45.3323 | 31.26 | . Q | . | . | . V | . |
| 17.950 | 45.3750 | 31.01 | . Q | . | . | . V | . |
| 17.967 | 45.4174 | 30.76 | . Q | . | . | . V | . |
| 17.983 | 45.4594 | 30.51 | . Q | . | . | . V | . |
| 18.000 | 45.5011 | 30.25 | . Q | . | . | . V | . |
| 18.017 | 45.5424 | 30.00 | . Q | . | . | . V | . |
| 18.033 | 45.5834 | 29.75 | . Q | . | . | . V | . |
| 18.050 | 45.6240 | 29.50 | . Q | . | . | . V | . |
| 18.067 | 45.6643 | 29.24 | . Q | . | . | . V | . |
| 18.083 | 45.7042 | 28.99 | . Q | . | . | . V | . |
| 18.100 | 45.7438 | 28.74 | . Q | . | . | . V | . |
| 18.117 | 45.7830 | 28.48 | . Q | . | . | . V | . |
| 18.133 | 45.8219 | 28.23 | . Q | . | . | . V | . |
| 18.150 | 45.8604 | 27.98 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 45.8986 | 27.72 | . Q | . | . | . V | . |
| 18.183 | 45.9365 | 27.47 | . Q | . | . | . V | . |
| 18.200 | 45.9740 | 27.22 | . Q | . | . | . V | . |
| 18.217 | 46.0111 | 26.96 | . Q | . | . | . V | . |
| 18.233 | 46.0479 | 26.71 | . Q | . | . | . V | . |
| 18.250 | 46.0843 | 26.46 | . Q | . | . | . V | . |
| 18.267 | 46.1203 | 26.14 | . Q | . | . | . V | . |
| 18.283 | 46.1559 | 25.79 | . Q | . | . | . V | . |
| 18.300 | 46.1909 | 25.43 | . Q | . | . | . V | . |
| 18.317 | 46.2254 | 25.08 | . Q | . | . | . V | . |
| 18.333 | 46.2595 | 24.73 | . Q | . | . | . V | . |
| 18.350 | 46.2931 | 24.38 | . Q | . | . | . V | . |
| 18.367 | 46.3262 | 24.03 | . Q | . | . | . V | . |
| 18.383 | 46.3588 | 23.67 | . Q | . | . | . V | . |
| 18.400 | 46.3909 | 23.32 | . Q | . | . | . V | . |
| 18.417 | 46.4225 | 22.97 | . Q | . | . | . V | . |
| 18.433 | 46.4537 | 22.62 | . Q | . | . | . V | . |
| 18.450 | 46.4844 | 22.27 | . Q | . | . | . V | . |
| 18.467 | 46.5146 | 21.91 | . Q | . | . | . V | . |
| 18.483 | 46.5443 | 21.56 | . Q | . | . | . V | . |
| 18.500 | 46.5735 | 21.21 | . Q | . | . | . V | . |
| 18.517 | 46.6022 | 20.86 | . Q | . | . | . V | . |
| 18.533 | 46.6304 | 20.51 | . Q | . | . | . V | . |
| 18.550 | 46.6582 | 20.15 | . Q | . | . | . V | . |
| 18.567 | 46.6855 | 19.80 | . Q | . | . | . V | . |
| 18.583 | 46.7124 | 19.56 | . Q | . | . | . V | . |
| 18.600 | 46.7393 | 19.48 | . Q | . | . | . V | . |
| 18.617 | 46.7660 | 19.40 | . Q | . | . | . V | . |
| 18.633 | 46.7926 | 19.32 | . Q | . | . | . V | . |
| 18.650 | 46.8191 | 19.24 | . Q | . | . | . V | . |
| 18.667 | 46.8455 | 19.16 | . Q | . | . | . V | . |
| 18.683 | 46.8717 | 19.08 | . Q | . | . | . V | . |
| 18.700 | 46.8979 | 19.00 | . Q | . | . | . V | . |
| 18.717 | 46.9240 | 18.91 | . Q | . | . | . V | . |
| 18.733 | 46.9499 | 18.83 | . Q | . | . | . V | . |
| 18.750 | 46.9757 | 18.75 | . Q | . | . | . V | . |
| 18.767 | 47.0015 | 18.67 | . Q | . | . | . V | . |
| 18.783 | 47.0271 | 18.59 | . Q | . | . | . V | . |
| 18.800 | 47.0526 | 18.51 | . Q | . | . | . V | . |
| 18.817 | 47.0779 | 18.43 | . Q | . | . | . V | . |
| 18.833 | 47.1032 | 18.35 | . Q | . | . | . V | . |
| 18.850 | 47.1284 | 18.27 | . Q | . | . | . V | . |
| 18.867 | 47.1534 | 18.18 | . Q | . | . | . V | . |
| 18.883 | 47.1784 | 18.10 | . Q | . | . | . V | . |
| 18.900 | 47.2032 | 18.03 | . Q | . | . | . V | . |
| 18.917 | 47.2279 | 17.96 | . Q | . | . | . V | . |
| 18.933 | 47.2526 | 17.89 | . Q | . | . | . V | . |
| 18.950 | 47.2771 | 17.83 | . Q | . | . | . V | . |
| 18.967 | 47.3016 | 17.76 | . Q | . | . | . V | . |
| 18.983 | 47.3260 | 17.69 | . Q | . | . | . V | . |
| 19.000 | 47.3502 | 17.63 | . Q | . | . | . V | . |
| 19.017 | 47.3744 | 17.56 | . Q | . | . | . V | . |
| 19.033 | 47.3985 | 17.49 | . Q | . | . | . V | . |
| 19.050 | 47.4225 | 17.43 | . Q | . | . | . V | . |
| 19.067 | 47.4464 | 17.36 | . Q | . | . | . V | . |
| 19.083 | 47.4703 | 17.30 | . Q | . | . | . V | . |
| 19.100 | 47.4940 | 17.23 | . Q | . | . | . V | . |
| 19.117 | 47.5176 | 17.16 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 47.5412 | 17.10 | .Q | . | . | . | V | . |
| 19.150 | 47.5646 | 17.03 | .Q | . | . | . | V | . |
| 19.167 | 47.5880 | 16.96 | .Q | . | . | . | V | . |
| 19.183 | 47.6113 | 16.90 | .Q | . | . | . | V | . |
| 19.200 | 47.6345 | 16.83 | .Q | . | . | . | V | . |
| 19.217 | 47.6576 | 16.77 | .Q | . | . | . | V | . |
| 19.233 | 47.6806 | 16.71 | .Q | . | . | . | V | . |
| 19.250 | 47.7035 | 16.65 | .Q | . | . | . | V | . |
| 19.267 | 47.7264 | 16.60 | .Q | . | . | . | V | . |
| 19.283 | 47.7492 | 16.54 | .Q | . | . | . | V | . |
| 19.300 | 47.7719 | 16.49 | .Q | . | . | . | V | . |
| 19.317 | 47.7945 | 16.43 | .Q | . | . | . | V | . |
| 19.333 | 47.8171 | 16.38 | .Q | . | . | . | V | . |
| 19.350 | 47.8395 | 16.32 | .Q | . | . | . | V | . |
| 19.367 | 47.8619 | 16.26 | .Q | . | . | . | V | . |
| 19.383 | 47.8843 | 16.21 | .Q | . | . | . | V | . |
| 19.400 | 47.9065 | 16.15 | .Q | . | . | . | V | . |
| 19.417 | 47.9287 | 16.10 | .Q | . | . | . | V | . |
| 19.433 | 47.9508 | 16.04 | .Q | . | . | . | V | . |
| 19.450 | 47.9728 | 15.99 | .Q | . | . | . | V | . |
| 19.467 | 47.9948 | 15.93 | .Q | . | . | . | V | . |
| 19.483 | 48.0166 | 15.88 | .Q | . | . | . | V | . |
| 19.500 | 48.0384 | 15.82 | .Q | . | . | . | V | . |
| 19.517 | 48.0601 | 15.77 | .Q | . | . | . | V | . |
| 19.533 | 48.0818 | 15.71 | .Q | . | . | . | V | . |
| 19.550 | 48.1033 | 15.66 | .Q | . | . | . | V | . |
| 19.567 | 48.1248 | 15.61 | .Q | . | . | . | V | . |
| 19.583 | 48.1463 | 15.57 | .Q | . | . | . | V | . |
| 19.600 | 48.1677 | 15.52 | .Q | . | . | . | V | . |
| 19.617 | 48.1890 | 15.47 | .Q | . | . | . | V | . |
| 19.633 | 48.2102 | 15.42 | .Q | . | . | . | V | . |
| 19.650 | 48.2314 | 15.38 | .Q | . | . | . | V | . |
| 19.667 | 48.2525 | 15.33 | .Q | . | . | . | V | . |
| 19.683 | 48.2736 | 15.28 | .Q | . | . | . | V | . |
| 19.700 | 48.2945 | 15.24 | .Q | . | . | . | V | . |
| 19.717 | 48.3155 | 15.19 | .Q | . | . | . | V | . |
| 19.733 | 48.3363 | 15.14 | .Q | . | . | . | V | . |
| 19.750 | 48.3571 | 15.09 | .Q | . | . | . | V | . |
| 19.767 | 48.3778 | 15.05 | .Q | . | . | . | V | . |
| 19.783 | 48.3985 | 15.00 | .Q | . | . | . | V | . |
| 19.800 | 48.4191 | 14.95 | .Q | . | . | . | V | . |
| 19.817 | 48.4396 | 14.90 | .Q | . | . | . | V | . |
| 19.833 | 48.4601 | 14.86 | .Q | . | . | . | V | . |
| 19.850 | 48.4805 | 14.81 | .Q | . | . | . | V | . |
| 19.867 | 48.5008 | 14.77 | .Q | . | . | . | V | . |
| 19.883 | 48.5211 | 14.73 | .Q | . | . | . | V | . |
| 19.900 | 48.5413 | 14.68 | .Q | . | . | . | V | . |
| 19.917 | 48.5615 | 14.64 | .Q | . | . | . | V | . |
| 19.933 | 48.5816 | 14.60 | .Q | . | . | . | V | . |
| 19.950 | 48.6017 | 14.56 | .Q | . | . | . | V | . |
| 19.967 | 48.6217 | 14.52 | .Q | . | . | . | V | . |
| 19.983 | 48.6416 | 14.48 | .Q | . | . | . | V | . |
| 20.000 | 48.6615 | 14.44 | .Q | . | . | . | V | . |
| 20.017 | 48.6813 | 14.40 | .Q | . | . | . | V | . |
| 20.033 | 48.7011 | 14.36 | .Q | . | . | . | V | . |
| 20.050 | 48.7208 | 14.32 | .Q | . | . | . | V | . |
| 20.067 | 48.7405 | 14.28 | .Q | . | . | . | V | . |
| 20.083 | 48.7601 | 14.24 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 20.100 | 48.7797 | 14.20 | .Q | . | . | . | V | . |
| 20.117 | 48.7992 | 14.16 | .Q | . | . | . | V | . |
| 20.133 | 48.8186 | 14.11 | .Q | . | . | . | V | . |
| 20.150 | 48.8380 | 14.07 | .Q | . | . | . | V | . |
| 20.167 | 48.8573 | 14.03 | .Q | . | . | . | V | . |
| 20.183 | 48.8766 | 13.99 | .Q | . | . | . | V | . |
| 20.200 | 48.8958 | 13.96 | .Q | . | . | . | V | . |
| 20.217 | 48.9150 | 13.92 | .Q | . | . | . | V | . |
| 20.233 | 48.9341 | 13.89 | .Q | . | . | . | V | . |
| 20.250 | 48.9532 | 13.85 | .Q | . | . | . | V | . |
| 20.267 | 48.9722 | 13.81 | .Q | . | . | . | V | . |
| 20.283 | 48.9912 | 13.78 | .Q | . | . | . | V | . |
| 20.300 | 49.0101 | 13.74 | .Q | . | . | . | V | . |
| 20.317 | 49.0290 | 13.71 | .Q | . | . | . | V | . |
| 20.333 | 49.0479 | 13.67 | .Q | . | . | . | V | . |
| 20.350 | 49.0666 | 13.64 | .Q | . | . | . | V | . |
| 20.367 | 49.0854 | 13.60 | .Q | . | . | . | V | . |
| 20.383 | 49.1041 | 13.57 | .Q | . | . | . | V | . |
| 20.400 | 49.1227 | 13.53 | .Q | . | . | . | V | . |
| 20.417 | 49.1413 | 13.49 | .Q | . | . | . | V | . |
| 20.433 | 49.1598 | 13.46 | .Q | . | . | . | V | . |
| 20.450 | 49.1783 | 13.42 | .Q | . | . | . | V | . |
| 20.467 | 49.1968 | 13.39 | .Q | . | . | . | V | . |
| 20.483 | 49.2151 | 13.35 | .Q | . | . | . | V | . |
| 20.500 | 49.2335 | 13.32 | .Q | . | . | . | V | . |
| 20.517 | 49.2518 | 13.28 | .Q | . | . | . | V | . |
| 20.533 | 49.2700 | 13.25 | .Q | . | . | . | V | . |
| 20.550 | 49.2882 | 13.22 | .Q | . | . | . | V | . |
| 20.567 | 49.3064 | 13.19 | .Q | . | . | . | V | . |
| 20.583 | 49.3245 | 13.16 | .Q | . | . | . | V | . |
| 20.600 | 49.3426 | 13.13 | .Q | . | . | . | V | . |
| 20.617 | 49.3607 | 13.10 | .Q | . | . | . | V | . |
| 20.633 | 49.3787 | 13.06 | .Q | . | . | . | V | . |
| 20.650 | 49.3966 | 13.03 | .Q | . | . | . | V | . |
| 20.667 | 49.4145 | 13.00 | .Q | . | . | . | V | . |
| 20.683 | 49.4324 | 12.97 | .Q | . | . | . | V | . |
| 20.700 | 49.4502 | 12.94 | .Q | . | . | . | V | . |
| 20.717 | 49.4680 | 12.91 | .Q | . | . | . | V | . |
| 20.733 | 49.4857 | 12.88 | .Q | . | . | . | V | . |
| 20.750 | 49.5034 | 12.84 | .Q | . | . | . | V | . |
| 20.767 | 49.5210 | 12.81 | .Q | . | . | . | V | . |
| 20.783 | 49.5387 | 12.78 | .Q | . | . | . | V | . |
| 20.800 | 49.5562 | 12.75 | .Q | . | . | . | V | . |
| 20.817 | 49.5737 | 12.72 | .Q | . | . | . | V | . |
| 20.833 | 49.5912 | 12.69 | .Q | . | . | . | V | . |
| 20.850 | 49.6087 | 12.66 | .Q | . | . | . | V | . |
| 20.867 | 49.6261 | 12.63 | .Q | . | . | . | V | . |
| 20.883 | 49.6434 | 12.61 | .Q | . | . | . | V | . |
| 20.900 | 49.6607 | 12.58 | .Q | . | . | . | V | . |
| 20.917 | 49.6780 | 12.55 | .Q | . | . | . | V | . |
| 20.933 | 49.6953 | 12.52 | .Q | . | . | . | V | . |
| 20.950 | 49.7125 | 12.49 | .Q | . | . | . | V | . |
| 20.967 | 49.7296 | 12.47 | .Q | . | . | . | V | . |
| 20.983 | 49.7468 | 12.44 | .Q | . | . | . | V | . |
| 21.000 | 49.7639 | 12.41 | .Q | . | . | . | V | . |
| 21.017 | 49.7809 | 12.38 | .Q | . | . | . | V | . |
| 21.033 | 49.7979 | 12.35 | .Q | . | . | . | V | . |
| 21.050 | 49.8149 | 12.33 | .Q | . | . | . | V | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 21.067 | 49.8319 | 12.30 | .Q | . | . | . | V | . |
| 21.083 | 49.8488 | 12.27 | .Q | . | . | . | V | . |
| 21.100 | 49.8656 | 12.24 | .Q | . | . | . | V | . |
| 21.117 | 49.8824 | 12.21 | .Q | . | . | . | V | . |
| 21.133 | 49.8992 | 12.19 | .Q | . | . | . | V | . |
| 21.150 | 49.9160 | 12.16 | .Q | . | . | . | V | . |
| 21.167 | 49.9327 | 12.13 | .Q | . | . | . | V | . |
| 21.183 | 49.9494 | 12.11 | .Q | . | . | . | V | . |
| 21.200 | 49.9660 | 12.08 | .Q | . | . | . | V | . |
| 21.217 | 49.9826 | 12.06 | .Q | . | . | . | V | . |
| 21.233 | 49.9992 | 12.03 | .Q | . | . | . | V | . |
| 21.250 | 50.0157 | 12.01 | .Q | . | . | . | V | . |
| 21.267 | 50.0322 | 11.98 | .Q | . | . | . | V | . |
| 21.283 | 50.0487 | 11.96 | .Q | . | . | . | V | . |
| 21.300 | 50.0651 | 11.93 | .Q | . | . | . | V | . |
| 21.317 | 50.0815 | 11.91 | .Q | . | . | . | V | . |
| 21.333 | 50.0979 | 11.88 | .Q | . | . | . | V | . |
| 21.350 | 50.1142 | 11.86 | .Q | . | . | . | V | . |
| 21.367 | 50.1305 | 11.83 | .Q | . | . | . | V | . |
| 21.383 | 50.1468 | 11.81 | .Q | . | . | . | V | . |
| 21.400 | 50.1630 | 11.78 | .Q | . | . | . | V | . |
| 21.417 | 50.1792 | 11.76 | .Q | . | . | . | V | . |
| 21.433 | 50.1954 | 11.73 | .Q | . | . | . | V | . |
| 21.450 | 50.2115 | 11.71 | .Q | . | . | . | V | . |
| 21.467 | 50.2276 | 11.68 | .Q | . | . | . | V | . |
| 21.483 | 50.2436 | 11.66 | .Q | . | . | . | V | . |
| 21.500 | 50.2597 | 11.64 | .Q | . | . | . | V | . |
| 21.517 | 50.2757 | 11.61 | .Q | . | . | . | V | . |
| 21.533 | 50.2916 | 11.59 | .Q | . | . | . | V | . |
| 21.550 | 50.3076 | 11.57 | .Q | . | . | . | V | . |
| 21.567 | 50.3235 | 11.54 | .Q | . | . | . | V | . |
| 21.583 | 50.3393 | 11.52 | .Q | . | . | . | V | . |
| 21.600 | 50.3552 | 11.50 | .Q | . | . | . | V | . |
| 21.617 | 50.3710 | 11.48 | .Q | . | . | . | V | . |
| 21.633 | 50.3868 | 11.45 | .Q | . | . | . | V | . |
| 21.650 | 50.4025 | 11.43 | .Q | . | . | . | V | . |
| 21.667 | 50.4182 | 11.41 | .Q | . | . | . | V | . |
| 21.683 | 50.4339 | 11.39 | .Q | . | . | . | V | . |
| 21.700 | 50.4495 | 11.36 | .Q | . | . | . | V | . |
| 21.717 | 50.4652 | 11.34 | .Q | . | . | . | V | . |
| 21.733 | 50.4808 | 11.32 | .Q | . | . | . | V | . |
| 21.750 | 50.4963 | 11.29 | .Q | . | . | . | V | . |
| 21.767 | 50.5118 | 11.27 | .Q | . | . | . | V | . |
| 21.783 | 50.5273 | 11.25 | .Q | . | . | . | V | . |
| 21.800 | 50.5428 | 11.23 | .Q | . | . | . | V | . |
| 21.817 | 50.5582 | 11.21 | .Q | . | . | . | V | . |
| 21.833 | 50.5736 | 11.19 | .Q | . | . | . | V | . |
| 21.850 | 50.5890 | 11.17 | .Q | . | . | . | V | . |
| 21.867 | 50.6044 | 11.15 | .Q | . | . | . | V | . |
| 21.883 | 50.6197 | 11.12 | .Q | . | . | . | V | . |
| 21.900 | 50.6350 | 11.10 | .Q | . | . | . | V | . |
| 21.917 | 50.6503 | 11.08 | .Q | . | . | . | V | . |
| 21.933 | 50.6655 | 11.06 | .Q | . | . | . | V | . |
| 21.950 | 50.6807 | 11.04 | .Q | . | . | . | V | . |
| 21.967 | 50.6959 | 11.02 | .Q | . | . | . | V | . |
| 21.983 | 50.7110 | 11.00 | .Q | . | . | . | V | . |
| 22.000 | 50.7262 | 10.98 | .Q | . | . | . | V | . |
| 22.017 | 50.7413 | 10.96 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 22.033 | 50.7563 | 10.94 | .Q | . | . | . | V | . |
| 22.050 | 50.7714 | 10.92 | .Q | . | . | . | V | . |
| 22.067 | 50.7864 | 10.90 | .Q | . | . | . | V | . |
| 22.083 | 50.8014 | 10.88 | .Q | . | . | . | V | . |
| 22.100 | 50.8163 | 10.86 | .Q | . | . | . | V | . |
| 22.117 | 50.8312 | 10.84 | .Q | . | . | . | V | . |
| 22.133 | 50.8461 | 10.82 | .Q | . | . | . | V | . |
| 22.150 | 50.8610 | 10.80 | .Q | . | . | . | V | . |
| 22.167 | 50.8759 | 10.78 | .Q | . | . | . | V | . |
| 22.183 | 50.8907 | 10.76 | .Q | . | . | . | V | . |
| 22.200 | 50.9055 | 10.74 | .Q | . | . | . | V | . |
| 22.217 | 50.9203 | 10.72 | .Q | . | . | . | V | . |
| 22.233 | 50.9350 | 10.70 | .Q | . | . | . | V | . |
| 22.250 | 50.9497 | 10.69 | .Q | . | . | . | V | . |
| 22.267 | 50.9644 | 10.67 | .Q | . | . | . | V | . |
| 22.283 | 50.9791 | 10.65 | .Q | . | . | . | V | . |
| 22.300 | 50.9937 | 10.63 | .Q | . | . | . | V | . |
| 22.317 | 51.0083 | 10.61 | .Q | . | . | . | V | . |
| 22.333 | 51.0229 | 10.59 | .Q | . | . | . | V | . |
| 22.350 | 51.0375 | 10.57 | .Q | . | . | . | V | . |
| 22.367 | 51.0520 | 10.55 | .Q | . | . | . | V | . |
| 22.383 | 51.0665 | 10.54 | .Q | . | . | . | V | . |
| 22.400 | 51.0810 | 10.52 | .Q | . | . | . | V | . |
| 22.417 | 51.0955 | 10.50 | .Q | . | . | . | V | . |
| 22.433 | 51.1099 | 10.48 | .Q | . | . | . | V | . |
| 22.450 | 51.1243 | 10.46 | .Q | . | . | . | V | . |
| 22.467 | 51.1387 | 10.44 | .Q | . | . | . | V | . |
| 22.483 | 51.1531 | 10.43 | .Q | . | . | . | V | . |
| 22.500 | 51.1674 | 10.41 | .Q | . | . | . | V | . |
| 22.517 | 51.1817 | 10.39 | .Q | . | . | . | V | . |
| 22.533 | 51.1960 | 10.37 | .Q | . | . | . | V | . |
| 22.550 | 51.2103 | 10.36 | .Q | . | . | . | V | . |
| 22.567 | 51.2245 | 10.34 | .Q | . | . | . | V | . |
| 22.583 | 51.2387 | 10.32 | .Q | . | . | . | V | . |
| 22.600 | 51.2529 | 10.31 | .Q | . | . | . | V | . |
| 22.617 | 51.2671 | 10.29 | .Q | . | . | . | V | . |
| 22.633 | 51.2813 | 10.27 | .Q | . | . | . | V | . |
| 22.650 | 51.2954 | 10.25 | .Q | . | . | . | V | . |
| 22.667 | 51.3095 | 10.24 | .Q | . | . | . | V | . |
| 22.683 | 51.3236 | 10.22 | .Q | . | . | . | V | . |
| 22.700 | 51.3376 | 10.20 | .Q | . | . | . | V | . |
| 22.717 | 51.3516 | 10.18 | .Q | . | . | . | V | . |
| 22.733 | 51.3656 | 10.17 | .Q | . | . | . | V | . |
| 22.750 | 51.3796 | 10.15 | .Q | . | . | . | V | . |
| 22.767 | 51.3936 | 10.13 | Q | . | . | . | V | . |
| 22.783 | 51.4075 | 10.12 | Q | . | . | . | V | . |
| 22.800 | 51.4214 | 10.10 | Q | . | . | . | V | . |
| 22.817 | 51.4353 | 10.09 | Q | . | . | . | V | . |
| 22.833 | 51.4492 | 10.07 | Q | . | . | . | V | . |
| 22.850 | 51.4630 | 10.05 | Q | . | . | . | V | . |
| 22.867 | 51.4769 | 10.04 | Q | . | . | . | V | . |
| 22.883 | 51.4907 | 10.02 | Q | . | . | . | V | . |
| 22.900 | 51.5045 | 10.01 | Q | . | . | . | V | . |
| 22.917 | 51.5182 | 9.99 | Q | . | . | . | V | . |
| 22.933 | 51.5320 | 9.97 | Q | . | . | . | V | . |
| 22.950 | 51.5457 | 9.96 | Q | . | . | . | V | . |
| 22.967 | 51.5594 | 9.94 | Q | . | . | . | V | . |
| 22.983 | 51.5730 | 9.93 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.000 | 51.5867 | 9.91 | Q | . | . | . | V. |
| 23.017 | 51.6003 | 9.89 | Q | . | . | . | V. |
| 23.033 | 51.6139 | 9.88 | Q | . | . | . | V. |
| 23.050 | 51.6275 | 9.86 | Q | . | . | . | V. |
| 23.067 | 51.6411 | 9.85 | Q | . | . | . | V. |
| 23.083 | 51.6546 | 9.83 | Q | . | . | . | V. |
| 23.100 | 51.6681 | 9.82 | Q | . | . | . | V. |
| 23.117 | 51.6816 | 9.80 | Q | . | . | . | V. |
| 23.133 | 51.6951 | 9.79 | Q | . | . | . | V. |
| 23.150 | 51.7086 | 9.77 | Q | . | . | . | V. |
| 23.167 | 51.7220 | 9.76 | Q | . | . | . | V. |
| 23.183 | 51.7354 | 9.74 | Q | . | . | . | V. |
| 23.200 | 51.7488 | 9.73 | Q | . | . | . | V. |
| 23.217 | 51.7622 | 9.71 | Q | . | . | . | V. |
| 23.233 | 51.7756 | 9.70 | Q | . | . | . | V. |
| 23.250 | 51.7889 | 9.68 | Q | . | . | . | V. |
| 23.267 | 51.8022 | 9.67 | Q | . | . | . | V. |
| 23.283 | 51.8155 | 9.65 | Q | . | . | . | V. |
| 23.300 | 51.8288 | 9.64 | Q | . | . | . | V. |
| 23.317 | 51.8421 | 9.62 | Q | . | . | . | V. |
| 23.333 | 51.8553 | 9.61 | Q | . | . | . | V. |
| 23.350 | 51.8685 | 9.59 | Q | . | . | . | V. |
| 23.367 | 51.8817 | 9.58 | Q | . | . | . | V. |
| 23.383 | 51.8949 | 9.57 | Q | . | . | . | V. |
| 23.400 | 51.9081 | 9.55 | Q | . | . | . | V. |
| 23.417 | 51.9212 | 9.54 | Q | . | . | . | V. |
| 23.433 | 51.9343 | 9.52 | Q | . | . | . | V. |
| 23.450 | 51.9474 | 9.51 | Q | . | . | . | V. |
| 23.467 | 51.9605 | 9.50 | Q | . | . | . | V. |
| 23.483 | 51.9735 | 9.48 | Q | . | . | . | V. |
| 23.500 | 51.9866 | 9.47 | Q | . | . | . | V. |
| 23.517 | 51.9996 | 9.45 | Q | . | . | . | V. |
| 23.533 | 52.0126 | 9.44 | Q | . | . | . | V. |
| 23.550 | 52.0256 | 9.43 | Q | . | . | . | V. |
| 23.567 | 52.0386 | 9.41 | Q | . | . | . | V. |
| 23.583 | 52.0515 | 9.40 | Q | . | . | . | V. |
| 23.600 | 52.0644 | 9.39 | Q | . | . | . | V. |
| 23.617 | 52.0774 | 9.37 | Q | . | . | . | V. |
| 23.633 | 52.0902 | 9.36 | Q | . | . | . | V. |
| 23.650 | 52.1031 | 9.35 | Q | . | . | . | V. |
| 23.667 | 52.1160 | 9.33 | Q | . | . | . | V. |
| 23.683 | 52.1288 | 9.32 | Q | . | . | . | V. |
| 23.700 | 52.1416 | 9.30 | Q | . | . | . | V. |
| 23.717 | 52.1544 | 9.29 | Q | . | . | . | V. |
| 23.733 | 52.1672 | 9.28 | Q | . | . | . | V. |
| 23.750 | 52.1800 | 9.26 | Q | . | . | . | V. |
| 23.767 | 52.1927 | 9.25 | Q | . | . | . | V. |
| 23.783 | 52.2054 | 9.24 | Q | . | . | . | V. |
| 23.800 | 52.2181 | 9.23 | Q | . | . | . | V. |
| 23.817 | 52.2308 | 9.21 | Q | . | . | . | V. |
| 23.833 | 52.2435 | 9.20 | Q | . | . | . | V. |
| 23.850 | 52.2561 | 9.19 | Q | . | . | . | V. |
| 23.867 | 52.2688 | 9.18 | Q | . | . | . | V. |
| 23.883 | 52.2814 | 9.16 | Q | . | . | . | V. |
| 23.900 | 52.2940 | 9.15 | Q | . | . | . | V. |
| 23.917 | 52.3066 | 9.14 | Q | . | . | . | V. |
| 23.933 | 52.3192 | 9.12 | Q | . | . | . | V. |
| 23.950 | 52.3317 | 9.11 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.967 | 52.3442 | 9.10 | Q | . | . | . | V. |
| 23.983 | 52.3568 | 9.09 | Q | . | . | . | V. |
| 24.000 | 52.3693 | 9.07 | Q | . | . | . | V. |
| 24.017 | 52.3817 | 9.06 | Q | . | . | . | V. |
| 24.033 | 52.3941 | 8.99 | Q | . | . | . | V. |
| 24.050 | 52.4059 | 8.58 | Q | . | . | . | V. |
| 24.067 | 52.4171 | 8.11 | Q | . | . | . | V. |
| 24.083 | 52.4276 | 7.64 | Q | . | . | . | V. |
| 24.100 | 52.4375 | 7.17 | Q | . | . | . | V. |
| 24.117 | 52.4467 | 6.70 | Q | . | . | . | V. |
| 24.133 | 52.4553 | 6.23 | Q | . | . | . | V. |
| 24.150 | 52.4632 | 5.76 | Q | . | . | . | V. |
| 24.167 | 52.4705 | 5.29 | Q | . | . | . | V. |
| 24.183 | 52.4772 | 4.82 | Q | . | . | . | V. |
| 24.200 | 52.4832 | 4.35 | Q | . | . | . | V. |
| 24.217 | 52.4885 | 3.88 | Q | . | . | . | V. |
| 24.233 | 52.4932 | 3.41 | Q | . | . | . | V. |
| 24.250 | 52.4972 | 2.94 | Q | . | . | . | V. |
| 24.267 | 52.5007 | 2.47 | Q | . | . | . | V. |
| 24.283 | 52.5034 | 2.00 | Q | . | . | . | V. |
| 24.300 | 52.5055 | 1.53 | Q | . | . | . | V. |
| 24.317 | 52.5070 | 1.06 | Q | . | . | . | V. |
| 24.333 | 52.5078 | 0.59 | 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% | 1460.0 |
| 10% | 900.0 |
| 20% | 280.0 |
| 30% | 180.0 |
| 40% | 150.0 |
| 50% | 125.0 |
| 60% | 105.0 |
| 70% | 75.0 |
| 80% | 50.0 |
| 90% | 25.0 |

=====

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED B *
* SMALL AREA HYDROGRAPH - COMPLEX MODEL *
* 100-YR HC AUG 2022 ROKAMOTO *

FILE NAME: 3B00HCS.DAT
TIME/DATE OF STUDY: 10:13 08/23/2022

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 210.00 TO NODE 231.00 IS CODE = 1.2

>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
=====

(SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #2)

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA (ACRES) = 213.70
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.110
LOW LOSS FRACTION = 0.162
TIME OF CONCENTRATION (MIN.) = 18.60
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) = 0.52
30-MINUTE POINT RAINFALL VALUE (INCHES) = 1.09
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.45
3-HOUR POINT RAINFALL VALUE (INCHES) = 2.43
6-HOUR POINT RAINFALL VALUE (INCHES) = 3.36
24-HOUR POINT RAINFALL VALUE (INCHES) = 5.63

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 77.14

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 23.12

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. | 133.5 | 267.0 | 400.4 | 533.9 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 0.017 | 0.0009 | 0.62 | Q | . | . | . | . |
| 0.033 | 0.0034 | 1.86 | Q | . | . | . | . |
| 0.050 | 0.0077 | 3.09 | Q | . | . | . | . |
| 0.067 | 0.0136 | 4.33 | Q | . | . | . | . |
| 0.083 | 0.0213 | 5.57 | Q | . | . | . | . |
| 0.100 | 0.0307 | 6.80 | Q | . | . | . | . |
| 0.117 | 0.0417 | 8.04 | Q | . | . | . | . |
| 0.133 | 0.0545 | 9.28 | Q | . | . | . | . |
| 0.150 | 0.0690 | 10.51 | Q | . | . | . | . |
| 0.167 | 0.0852 | 11.75 | Q | . | . | . | . |
| 0.183 | 0.1031 | 12.99 | Q | . | . | . | . |
| 0.200 | 0.1224 | 14.00 | VQ | . | . | . | . |
| 0.217 | 0.1418 | 14.11 | VQ | . | . | . | . |
| 0.233 | 0.1612 | 14.11 | VQ | . | . | . | . |
| 0.250 | 0.1807 | 14.12 | VQ | . | . | . | . |
| 0.267 | 0.2001 | 14.12 | VQ | . | . | . | . |
| 0.283 | 0.2196 | 14.12 | VQ | . | . | . | . |
| 0.300 | 0.2390 | 14.13 | VQ | . | . | . | . |
| 0.317 | 0.2585 | 14.13 | VQ | . | . | . | . |
| 0.333 | 0.2780 | 14.14 | VQ | . | . | . | . |
| 0.350 | 0.2975 | 14.14 | VQ | . | . | . | . |
| 0.367 | 0.3170 | 14.15 | VQ | . | . | . | . |
| 0.383 | 0.3364 | 14.15 | VQ | . | . | . | . |
| 0.400 | 0.3559 | 14.15 | VQ | . | . | . | . |
| 0.417 | 0.3754 | 14.16 | VQ | . | . | . | . |
| 0.433 | 0.3950 | 14.16 | VQ | . | . | . | . |
| 0.450 | 0.4145 | 14.17 | VQ | . | . | . | . |
| 0.467 | 0.4340 | 14.17 | VQ | . | . | . | . |
| 0.483 | 0.4535 | 14.18 | VQ | . | . | . | . |
| 0.500 | 0.4730 | 14.18 | VQ | . | . | . | . |
| 0.517 | 0.4926 | 14.19 | VQ | . | . | . | . |
| 0.533 | 0.5122 | 14.20 | VQ | . | . | . | . |
| 0.550 | 0.5317 | 14.22 | VQ | . | . | . | . |
| 0.567 | 0.5513 | 14.23 | VQ | . | . | . | . |
| 0.583 | 0.5710 | 14.24 | VQ | . | . | . | . |
| 0.600 | 0.5906 | 14.25 | VQ | . | . | . | . |
| 0.617 | 0.6102 | 14.27 | VQ | . | . | . | . |
| 0.633 | 0.6299 | 14.28 | VQ | . | . | . | . |
| 0.650 | 0.6496 | 14.29 | VQ | . | . | . | . |
| 0.667 | 0.6693 | 14.31 | VQ | . | . | . | . |
| 0.683 | 0.6890 | 14.32 | VQ | . | . | . | . |
| 0.700 | 0.7088 | 14.33 | VQ | . | . | . | . |
| 0.717 | 0.7285 | 14.34 | VQ | . | . | . | . |
| 0.733 | 0.7483 | 14.36 | VQ | . | . | . | . |
| 0.750 | 0.7681 | 14.37 | VQ | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|----|---|---|---|---|
| 0.767 | 0.7879 | 14.38 | VQ | . | . | . | . |
| 0.783 | 0.8077 | 14.39 | VQ | . | . | . | . |
| 0.800 | 0.8276 | 14.41 | VQ | . | . | . | . |
| 0.817 | 0.8474 | 14.42 | VQ | . | . | . | . |
| 0.833 | 0.8673 | 14.43 | VQ | . | . | . | . |
| 0.850 | 0.8872 | 14.43 | VQ | . | . | . | . |
| 0.867 | 0.9071 | 14.44 | VQ | . | . | . | . |
| 0.883 | 0.9270 | 14.45 | VQ | . | . | . | . |
| 0.900 | 0.9469 | 14.45 | VQ | . | . | . | . |
| 0.917 | 0.9668 | 14.46 | VQ | . | . | . | . |
| 0.933 | 0.9867 | 14.47 | VQ | . | . | . | . |
| 0.950 | 1.0067 | 14.47 | VQ | . | . | . | . |
| 0.967 | 1.0266 | 14.48 | VQ | . | . | . | . |
| 0.983 | 1.0466 | 14.49 | VQ | . | . | . | . |
| 1.000 | 1.0665 | 14.49 | VQ | . | . | . | . |
| 1.017 | 1.0865 | 14.50 | VQ | . | . | . | . |
| 1.033 | 1.1065 | 14.51 | VQ | . | . | . | . |
| 1.050 | 1.1265 | 14.51 | VQ | . | . | . | . |
| 1.067 | 1.1465 | 14.52 | VQ | . | . | . | . |
| 1.083 | 1.1665 | 14.53 | VQ | . | . | . | . |
| 1.100 | 1.1865 | 14.53 | VQ | . | . | . | . |
| 1.117 | 1.2065 | 14.54 | VQ | . | . | . | . |
| 1.133 | 1.2266 | 14.55 | VQ | . | . | . | . |
| 1.150 | 1.2466 | 14.56 | VQ | . | . | . | . |
| 1.167 | 1.2667 | 14.58 | VQ | . | . | . | . |
| 1.183 | 1.2868 | 14.59 | VQ | . | . | . | . |
| 1.200 | 1.3069 | 14.60 | VQ | . | . | . | . |
| 1.217 | 1.3270 | 14.62 | VQ | . | . | . | . |
| 1.233 | 1.3472 | 14.63 | VQ | . | . | . | . |
| 1.250 | 1.3674 | 14.64 | VQ | . | . | . | . |
| 1.267 | 1.3875 | 14.66 | VQ | . | . | . | . |
| 1.283 | 1.4078 | 14.67 | VQ | . | . | . | . |
| 1.300 | 1.4280 | 14.69 | VQ | . | . | . | . |
| 1.317 | 1.4482 | 14.70 | VQ | . | . | . | . |
| 1.333 | 1.4685 | 14.71 | VQ | . | . | . | . |
| 1.350 | 1.4888 | 14.73 | VQ | . | . | . | . |
| 1.367 | 1.5091 | 14.74 | VQ | . | . | . | . |
| 1.383 | 1.5294 | 14.75 | VQ | . | . | . | . |
| 1.400 | 1.5497 | 14.77 | VQ | . | . | . | . |
| 1.417 | 1.5701 | 14.78 | VQ | . | . | . | . |
| 1.433 | 1.5905 | 14.79 | VQ | . | . | . | . |
| 1.450 | 1.6109 | 14.80 | VQ | . | . | . | . |
| 1.467 | 1.6313 | 14.81 | VQ | . | . | . | . |
| 1.483 | 1.6517 | 14.82 | VQ | . | . | . | . |
| 1.500 | 1.6721 | 14.82 | VQ | . | . | . | . |
| 1.517 | 1.6925 | 14.83 | VQ | . | . | . | . |
| 1.533 | 1.7130 | 14.84 | VQ | . | . | . | . |
| 1.550 | 1.7334 | 14.85 | VQ | . | . | . | . |
| 1.567 | 1.7539 | 14.85 | VQ | . | . | . | . |
| 1.583 | 1.7743 | 14.86 | VQ | . | . | . | . |
| 1.600 | 1.7948 | 14.87 | VQ | . | . | . | . |
| 1.617 | 1.8153 | 14.87 | VQ | . | . | . | . |
| 1.633 | 1.8358 | 14.88 | VQ | . | . | . | . |
| 1.650 | 1.8563 | 14.89 | VQ | . | . | . | . |
| 1.667 | 1.8768 | 14.89 | VQ | . | . | . | . |
| 1.683 | 1.8974 | 14.90 | VQ | . | . | . | . |
| 1.700 | 1.9179 | 14.91 | VQ | . | . | . | . |
| 1.717 | 1.9384 | 14.92 | .Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|----|---|---|---|---|
| 1.733 | 1.9590 | 14.92 | .Q | . | . | . | . |
| 1.750 | 1.9796 | 14.93 | .Q | . | . | . | . |
| 1.767 | 2.0001 | 14.95 | .Q | . | . | . | . |
| 1.783 | 2.0208 | 14.96 | .Q | . | . | . | . |
| 1.800 | 2.0414 | 14.97 | .Q | . | . | . | . |
| 1.817 | 2.0620 | 14.99 | .Q | . | . | . | . |
| 1.833 | 2.0827 | 15.00 | .Q | . | . | . | . |
| 1.850 | 2.1034 | 15.02 | .Q | . | . | . | . |
| 1.867 | 2.1241 | 15.03 | .Q | . | . | . | . |
| 1.883 | 2.1448 | 15.05 | .Q | . | . | . | . |
| 1.900 | 2.1656 | 15.06 | .Q | . | . | . | . |
| 1.917 | 2.1863 | 15.08 | .Q | . | . | . | . |
| 1.933 | 2.2071 | 15.09 | .Q | . | . | . | . |
| 1.950 | 2.2279 | 15.11 | .Q | . | . | . | . |
| 1.967 | 2.2487 | 15.12 | .Q | . | . | . | . |
| 1.983 | 2.2696 | 15.14 | .Q | . | . | . | . |
| 2.000 | 2.2905 | 15.15 | .Q | . | . | . | . |
| 2.017 | 2.3114 | 15.16 | .Q | . | . | . | . |
| 2.033 | 2.3323 | 15.18 | .Q | . | . | . | . |
| 2.050 | 2.3532 | 15.19 | .Q | . | . | . | . |
| 2.067 | 2.3741 | 15.21 | .Q | . | . | . | . |
| 2.083 | 2.3951 | 15.21 | .Q | . | . | . | . |
| 2.100 | 2.4161 | 15.22 | .Q | . | . | . | . |
| 2.117 | 2.4370 | 15.23 | .Q | . | . | . | . |
| 2.133 | 2.4580 | 15.24 | .Q | . | . | . | . |
| 2.150 | 2.4790 | 15.24 | .Q | . | . | . | . |
| 2.167 | 2.5000 | 15.25 | .Q | . | . | . | . |
| 2.183 | 2.5210 | 15.26 | .Q | . | . | . | . |
| 2.200 | 2.5421 | 15.27 | .Q | . | . | . | . |
| 2.217 | 2.5631 | 15.27 | .Q | . | . | . | . |
| 2.233 | 2.5841 | 15.28 | .Q | . | . | . | . |
| 2.250 | 2.6052 | 15.29 | .Q | . | . | . | . |
| 2.267 | 2.6263 | 15.30 | .Q | . | . | . | . |
| 2.283 | 2.6474 | 15.30 | .Q | . | . | . | . |
| 2.300 | 2.6684 | 15.31 | .Q | . | . | . | . |
| 2.317 | 2.6895 | 15.32 | .Q | . | . | . | . |
| 2.333 | 2.7107 | 15.33 | .Q | . | . | . | . |
| 2.350 | 2.7318 | 15.33 | .Q | . | . | . | . |
| 2.367 | 2.7529 | 15.34 | .Q | . | . | . | . |
| 2.383 | 2.7741 | 15.36 | .Q | . | . | . | . |
| 2.400 | 2.7952 | 15.37 | .Q | . | . | . | . |
| 2.417 | 2.8164 | 15.39 | .Q | . | . | . | . |
| 2.433 | 2.8377 | 15.40 | .Q | . | . | . | . |
| 2.450 | 2.8589 | 15.42 | .Q | . | . | . | . |
| 2.467 | 2.8802 | 15.44 | .Q | . | . | . | . |
| 2.483 | 2.9014 | 15.45 | .Q | . | . | . | . |
| 2.500 | 2.9227 | 15.47 | .Q | . | . | . | . |
| 2.517 | 2.9441 | 15.48 | .Q | . | . | . | . |
| 2.533 | 2.9654 | 15.50 | .Q | . | . | . | . |
| 2.550 | 2.9868 | 15.51 | .Q | . | . | . | . |
| 2.567 | 3.0082 | 15.53 | .Q | . | . | . | . |
| 2.583 | 3.0296 | 15.55 | .Q | . | . | . | . |
| 2.600 | 3.0510 | 15.56 | .Q | . | . | . | . |
| 2.617 | 3.0725 | 15.58 | .Q | . | . | . | . |
| 2.633 | 3.0940 | 15.59 | .Q | . | . | . | . |
| 2.650 | 3.1155 | 15.61 | .Q | . | . | . | . |
| 2.667 | 3.1370 | 15.62 | .Q | . | . | . | . |
| 2.683 | 3.1585 | 15.64 | .Q | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 2.700 | 3.1801 | 15.65 | .Q | . | . | . | . |
| 2.717 | 3.2016 | 15.65 | .Q | . | . | . | . |
| 2.733 | 3.2232 | 15.66 | .Q | . | . | . | . |
| 2.750 | 3.2448 | 15.67 | .Q | . | . | . | . |
| 2.767 | 3.2664 | 15.68 | .Q | . | . | . | . |
| 2.783 | 3.2880 | 15.69 | .Q | . | . | . | . |
| 2.800 | 3.3096 | 15.69 | .Q | . | . | . | . |
| 2.817 | 3.3312 | 15.70 | .Q | . | . | . | . |
| 2.833 | 3.3529 | 15.71 | .Q | . | . | . | . |
| 2.850 | 3.3745 | 15.72 | .Q | . | . | . | . |
| 2.867 | 3.3962 | 15.73 | .Q | . | . | . | . |
| 2.883 | 3.4179 | 15.74 | .Q | . | . | . | . |
| 2.900 | 3.4396 | 15.74 | .Q | . | . | . | . |
| 2.917 | 3.4613 | 15.75 | .Q | . | . | . | . |
| 2.933 | 3.4830 | 15.76 | .Q | . | . | . | . |
| 2.950 | 3.5047 | 15.77 | .Q | . | . | . | . |
| 2.967 | 3.5264 | 15.78 | .Q | . | . | . | . |
| 2.983 | 3.5482 | 15.78 | .Q | . | . | . | . |
| 3.000 | 3.5699 | 15.80 | .Q | . | . | . | . |
| 3.017 | 3.5917 | 15.82 | .Q | . | . | . | . |
| 3.033 | 3.6135 | 15.83 | .Q | . | . | . | . |
| 3.050 | 3.6353 | 15.85 | .Q | . | . | . | . |
| 3.067 | 3.6572 | 15.87 | .Q | . | . | . | . |
| 3.083 | 3.6791 | 15.88 | .Q | . | . | . | . |
| 3.100 | 3.7010 | 15.90 | .Q | . | . | . | . |
| 3.117 | 3.7229 | 15.92 | .Q | . | . | . | . |
| 3.133 | 3.7448 | 15.93 | .Q | . | . | . | . |
| 3.150 | 3.7668 | 15.95 | .Q | . | . | . | . |
| 3.167 | 3.7888 | 15.97 | .Q | . | . | . | . |
| 3.183 | 3.8108 | 15.98 | .Q | . | . | . | . |
| 3.200 | 3.8329 | 16.00 | .Q | . | . | . | . |
| 3.217 | 3.8549 | 16.02 | .Q | . | . | . | . |
| 3.233 | 3.8770 | 16.04 | .QV | . | . | . | . |
| 3.250 | 3.8991 | 16.05 | .QV | . | . | . | . |
| 3.267 | 3.9213 | 16.07 | .QV | . | . | . | . |
| 3.283 | 3.9434 | 16.09 | .QV | . | . | . | . |
| 3.300 | 3.9656 | 16.10 | .QV | . | . | . | . |
| 3.317 | 3.9878 | 16.11 | .QV | . | . | . | . |
| 3.333 | 4.0100 | 16.12 | .QV | . | . | . | . |
| 3.350 | 4.0322 | 16.13 | .QV | . | . | . | . |
| 3.367 | 4.0544 | 16.14 | .QV | . | . | . | . |
| 3.383 | 4.0767 | 16.15 | .QV | . | . | . | . |
| 3.400 | 4.0989 | 16.16 | .QV | . | . | . | . |
| 3.417 | 4.1212 | 16.16 | .QV | . | . | . | . |
| 3.433 | 4.1435 | 16.17 | .QV | . | . | . | . |
| 3.450 | 4.1658 | 16.18 | .QV | . | . | . | . |
| 3.467 | 4.1881 | 16.19 | .QV | . | . | . | . |
| 3.483 | 4.2104 | 16.20 | .QV | . | . | . | . |
| 3.500 | 4.2327 | 16.21 | .QV | . | . | . | . |
| 3.517 | 4.2551 | 16.22 | .QV | . | . | . | . |
| 3.533 | 4.2774 | 16.23 | .QV | . | . | . | . |
| 3.550 | 4.2998 | 16.24 | .QV | . | . | . | . |
| 3.567 | 4.3221 | 16.24 | .QV | . | . | . | . |
| 3.583 | 4.3445 | 16.25 | .QV | . | . | . | . |
| 3.600 | 4.3669 | 16.26 | .QV | . | . | . | . |
| 3.617 | 4.3893 | 16.28 | .QV | . | . | . | . |
| 3.633 | 4.4118 | 16.29 | .QV | . | . | . | . |
| 3.650 | 4.4343 | 16.31 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|-----|---|---|---|---|
| 3.667 | 4.4568 | 16.33 | .QV | . | . | . | . |
| 3.683 | 4.4793 | 16.35 | .QV | . | . | . | . |
| 3.700 | 4.5018 | 16.37 | .QV | . | . | . | . |
| 3.717 | 4.5244 | 16.39 | .QV | . | . | . | . |
| 3.733 | 4.5470 | 16.40 | .QV | . | . | . | . |
| 3.750 | 4.5696 | 16.42 | .QV | . | . | . | . |
| 3.767 | 4.5922 | 16.44 | .QV | . | . | . | . |
| 3.783 | 4.6149 | 16.46 | .QV | . | . | . | . |
| 3.800 | 4.6376 | 16.48 | .QV | . | . | . | . |
| 3.817 | 4.6603 | 16.50 | .QV | . | . | . | . |
| 3.833 | 4.6831 | 16.51 | .QV | . | . | . | . |
| 3.850 | 4.7059 | 16.53 | .QV | . | . | . | . |
| 3.867 | 4.7286 | 16.55 | .QV | . | . | . | . |
| 3.883 | 4.7515 | 16.57 | .QV | . | . | . | . |
| 3.900 | 4.7743 | 16.59 | .QV | . | . | . | . |
| 3.917 | 4.7972 | 16.60 | .QV | . | . | . | . |
| 3.933 | 4.8201 | 16.62 | .QV | . | . | . | . |
| 3.950 | 4.8430 | 16.63 | .QV | . | . | . | . |
| 3.967 | 4.8659 | 16.63 | .QV | . | . | . | . |
| 3.983 | 4.8888 | 16.64 | .QV | . | . | . | . |
| 4.000 | 4.9118 | 16.65 | .QV | . | . | . | . |
| 4.017 | 4.9347 | 16.66 | .QV | . | . | . | . |
| 4.033 | 4.9577 | 16.67 | .QV | . | . | . | . |
| 4.050 | 4.9806 | 16.68 | .QV | . | . | . | . |
| 4.067 | 5.0036 | 16.69 | .QV | . | . | . | . |
| 4.083 | 5.0266 | 16.70 | .QV | . | . | . | . |
| 4.100 | 5.0497 | 16.71 | .QV | . | . | . | . |
| 4.117 | 5.0727 | 16.72 | .QV | . | . | . | . |
| 4.133 | 5.0957 | 16.73 | .QV | . | . | . | . |
| 4.150 | 5.1188 | 16.74 | .QV | . | . | . | . |
| 4.167 | 5.1419 | 16.75 | .QV | . | . | . | . |
| 4.183 | 5.1650 | 16.76 | .QV | . | . | . | . |
| 4.200 | 5.1881 | 16.77 | .QV | . | . | . | . |
| 4.217 | 5.2112 | 16.78 | .QV | . | . | . | . |
| 4.233 | 5.2343 | 16.79 | .QV | . | . | . | . |
| 4.250 | 5.2574 | 16.81 | .QV | . | . | . | . |
| 4.267 | 5.2806 | 16.83 | .QV | . | . | . | . |
| 4.283 | 5.3038 | 16.85 | .QV | . | . | . | . |
| 4.300 | 5.3271 | 16.87 | .QV | . | . | . | . |
| 4.317 | 5.3503 | 16.89 | .QV | . | . | . | . |
| 4.333 | 5.3736 | 16.91 | .QV | . | . | . | . |
| 4.350 | 5.3970 | 16.93 | .QV | . | . | . | . |
| 4.367 | 5.4203 | 16.95 | .QV | . | . | . | . |
| 4.383 | 5.4437 | 16.97 | .QV | . | . | . | . |
| 4.400 | 5.4671 | 16.99 | .QV | . | . | . | . |
| 4.417 | 5.4905 | 17.01 | .QV | . | . | . | . |
| 4.433 | 5.5140 | 17.03 | .QV | . | . | . | . |
| 4.450 | 5.5375 | 17.05 | .QV | . | . | . | . |
| 4.467 | 5.5610 | 17.07 | .QV | . | . | . | . |
| 4.483 | 5.5845 | 17.09 | .QV | . | . | . | . |
| 4.500 | 5.6081 | 17.11 | .QV | . | . | . | . |
| 4.517 | 5.6317 | 17.13 | .QV | . | . | . | . |
| 4.533 | 5.6553 | 17.15 | .QV | . | . | . | . |
| 4.550 | 5.6789 | 17.16 | .QV | . | . | . | . |
| 4.567 | 5.7026 | 17.17 | .QV | . | . | . | . |
| 4.583 | 5.7263 | 17.18 | .QV | . | . | . | . |
| 4.600 | 5.7499 | 17.19 | .QV | . | . | . | . |
| 4.617 | 5.7736 | 17.20 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 4.633 | 5.7973 | 17.21 | .Q V | . | . | . | . |
| 4.650 | 5.8211 | 17.22 | .Q V | . | . | . | . |
| 4.667 | 5.8448 | 17.24 | .Q V | . | . | . | . |
| 4.683 | 5.8686 | 17.25 | .Q V | . | . | . | . |
| 4.700 | 5.8923 | 17.26 | .Q V | . | . | . | . |
| 4.717 | 5.9161 | 17.27 | .Q V | . | . | . | . |
| 4.733 | 5.9399 | 17.28 | .Q V | . | . | . | . |
| 4.750 | 5.9637 | 17.29 | .Q V | . | . | . | . |
| 4.767 | 5.9876 | 17.30 | .Q V | . | . | . | . |
| 4.783 | 6.0114 | 17.31 | .Q V | . | . | . | . |
| 4.800 | 6.0352 | 17.32 | .Q V | . | . | . | . |
| 4.817 | 6.0591 | 17.33 | .Q V | . | . | . | . |
| 4.833 | 6.0830 | 17.34 | .Q V | . | . | . | . |
| 4.850 | 6.1069 | 17.35 | .Q V | . | . | . | . |
| 4.867 | 6.1308 | 17.37 | .Q V | . | . | . | . |
| 4.883 | 6.1548 | 17.39 | .Q V | . | . | . | . |
| 4.900 | 6.1788 | 17.42 | .Q V | . | . | . | . |
| 4.917 | 6.2028 | 17.44 | .Q V | . | . | . | . |
| 4.933 | 6.2268 | 17.46 | .Q V | . | . | . | . |
| 4.950 | 6.2509 | 17.48 | .Q V | . | . | . | . |
| 4.967 | 6.2750 | 17.50 | .Q V | . | . | . | . |
| 4.983 | 6.2992 | 17.52 | .Q V | . | . | . | . |
| 5.000 | 6.3233 | 17.55 | .Q V | . | . | . | . |
| 5.017 | 6.3475 | 17.57 | .Q V | . | . | . | . |
| 5.033 | 6.3718 | 17.59 | .Q V | . | . | . | . |
| 5.050 | 6.3960 | 17.61 | .Q V | . | . | . | . |
| 5.067 | 6.4203 | 17.63 | .Q V | . | . | . | . |
| 5.083 | 6.4446 | 17.65 | .Q V | . | . | . | . |
| 5.100 | 6.4690 | 17.68 | .Q V | . | . | . | . |
| 5.117 | 6.4934 | 17.70 | .Q V | . | . | . | . |
| 5.133 | 6.5178 | 17.72 | .Q V | . | . | . | . |
| 5.150 | 6.5422 | 17.74 | .Q V | . | . | . | . |
| 5.167 | 6.5667 | 17.76 | .Q V | . | . | . | . |
| 5.183 | 6.5911 | 17.77 | .Q V | . | . | . | . |
| 5.200 | 6.6156 | 17.78 | .Q V | . | . | . | . |
| 5.217 | 6.6401 | 17.79 | .Q V | . | . | . | . |
| 5.233 | 6.6647 | 17.80 | .Q V | . | . | . | . |
| 5.250 | 6.6892 | 17.82 | .Q V | . | . | . | . |
| 5.267 | 6.7138 | 17.83 | .Q V | . | . | . | . |
| 5.283 | 6.7383 | 17.84 | .Q V | . | . | . | . |
| 5.300 | 6.7629 | 17.85 | .Q V | . | . | . | . |
| 5.317 | 6.7875 | 17.86 | .Q V | . | . | . | . |
| 5.333 | 6.8121 | 17.87 | .Q V | . | . | . | . |
| 5.350 | 6.8368 | 17.88 | .Q V | . | . | . | . |
| 5.367 | 6.8614 | 17.90 | .Q V | . | . | . | . |
| 5.383 | 6.8861 | 17.91 | .Q V | . | . | . | . |
| 5.400 | 6.9108 | 17.92 | .Q V | . | . | . | . |
| 5.417 | 6.9355 | 17.93 | .Q V | . | . | . | . |
| 5.433 | 6.9602 | 17.94 | .Q V | . | . | . | . |
| 5.450 | 6.9849 | 17.95 | .Q V | . | . | . | . |
| 5.467 | 7.0096 | 17.96 | .Q V | . | . | . | . |
| 5.483 | 7.0344 | 17.99 | .Q V | . | . | . | . |
| 5.500 | 7.0592 | 18.01 | .Q V | . | . | . | . |
| 5.517 | 7.0841 | 18.03 | .Q V | . | . | . | . |
| 5.533 | 7.1089 | 18.06 | .Q V | . | . | . | . |
| 5.550 | 7.1338 | 18.08 | .Q V | . | . | . | . |
| 5.567 | 7.1588 | 18.11 | .Q V | . | . | . | . |
| 5.583 | 7.1837 | 18.13 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 5.600 | 7.2087 | 18.15 | .Q | V | . | . | . | . |
| 5.617 | 7.2338 | 18.18 | .Q | V | . | . | . | . |
| 5.633 | 7.2589 | 18.20 | .Q | V | . | . | . | . |
| 5.650 | 7.2840 | 18.22 | .Q | V | . | . | . | . |
| 5.667 | 7.3091 | 18.25 | .Q | V | . | . | . | . |
| 5.683 | 7.3343 | 18.27 | .Q | V | . | . | . | . |
| 5.700 | 7.3595 | 18.30 | .Q | V | . | . | . | . |
| 5.717 | 7.3847 | 18.32 | .Q | V | . | . | . | . |
| 5.733 | 7.4100 | 18.34 | .Q | V | . | . | . | . |
| 5.750 | 7.4353 | 18.37 | .Q | V | . | . | . | . |
| 5.767 | 7.4606 | 18.39 | .Q | V | . | . | . | . |
| 5.783 | 7.4859 | 18.41 | .Q | V | . | . | . | . |
| 5.800 | 7.5113 | 18.42 | .Q | V | . | . | . | . |
| 5.817 | 7.5367 | 18.44 | .Q | V | . | . | . | . |
| 5.833 | 7.5621 | 18.45 | .Q | V | . | . | . | . |
| 5.850 | 7.5876 | 18.46 | .Q | V | . | . | . | . |
| 5.867 | 7.6130 | 18.47 | .Q | V | . | . | . | . |
| 5.883 | 7.6385 | 18.49 | .Q | V | . | . | . | . |
| 5.900 | 7.6639 | 18.50 | .Q | V | . | . | . | . |
| 5.917 | 7.6894 | 18.51 | .Q | V | . | . | . | . |
| 5.933 | 7.7150 | 18.52 | .Q | V | . | . | . | . |
| 5.950 | 7.7405 | 18.54 | .Q | V | . | . | . | . |
| 5.967 | 7.7660 | 18.55 | .Q | V | . | . | . | . |
| 5.983 | 7.7916 | 18.56 | .Q | V | . | . | . | . |
| 6.000 | 7.8172 | 18.57 | .Q | V | . | . | . | . |
| 6.017 | 7.8428 | 18.59 | .Q | V | . | . | . | . |
| 6.033 | 7.8684 | 18.60 | .Q | V | . | . | . | . |
| 6.050 | 7.8941 | 18.61 | .Q | V | . | . | . | . |
| 6.067 | 7.9197 | 18.62 | .Q | V | . | . | . | . |
| 6.083 | 7.9454 | 18.64 | .Q | V | . | . | . | . |
| 6.100 | 7.9711 | 18.66 | .Q | V | . | . | . | . |
| 6.117 | 7.9968 | 18.68 | .Q | V | . | . | . | . |
| 6.133 | 8.0226 | 18.71 | .Q | V | . | . | . | . |
| 6.150 | 8.0484 | 18.74 | .Q | V | . | . | . | . |
| 6.167 | 8.0742 | 18.76 | .Q | V | . | . | . | . |
| 6.183 | 8.1001 | 18.79 | .Q | V | . | . | . | . |
| 6.200 | 8.1260 | 18.82 | .Q | V | . | . | . | . |
| 6.217 | 8.1520 | 18.84 | .Q | V | . | . | . | . |
| 6.233 | 8.1780 | 18.87 | .Q | V | . | . | . | . |
| 6.250 | 8.2040 | 18.90 | .Q | V | . | . | . | . |
| 6.267 | 8.2301 | 18.92 | .Q | V | . | . | . | . |
| 6.283 | 8.2562 | 18.95 | .Q | V | . | . | . | . |
| 6.300 | 8.2823 | 18.97 | .Q | V | . | . | . | . |
| 6.317 | 8.3085 | 19.00 | .Q | V | . | . | . | . |
| 6.333 | 8.3347 | 19.03 | .Q | V | . | . | . | . |
| 6.350 | 8.3609 | 19.05 | .Q | V | . | . | . | . |
| 6.367 | 8.3872 | 19.08 | .Q | V | . | . | . | . |
| 6.383 | 8.4135 | 19.11 | .Q | V | . | . | . | . |
| 6.400 | 8.4399 | 19.13 | .Q | V | . | . | . | . |
| 6.417 | 8.4662 | 19.14 | .Q | V | . | . | . | . |
| 6.433 | 8.4926 | 19.16 | .Q | V | . | . | . | . |
| 6.450 | 8.5190 | 19.17 | .Q | V | . | . | . | . |
| 6.467 | 8.5455 | 19.19 | .Q | V | . | . | . | . |
| 6.483 | 8.5719 | 19.20 | .Q | V | . | . | . | . |
| 6.500 | 8.5984 | 19.21 | .Q | V | . | . | . | . |
| 6.517 | 8.6249 | 19.23 | .Q | V | . | . | . | . |
| 6.533 | 8.6514 | 19.24 | .Q | V | . | . | . | . |
| 6.550 | 8.6779 | 19.25 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|---------|-------|----|---|---|---|---|---|
| 6.567 | 8.7044 | 19.27 | .Q | V | . | . | . | . |
| 6.583 | 8.7310 | 19.28 | .Q | V | . | . | . | . |
| 6.600 | 8.7576 | 19.30 | .Q | V | . | . | . | . |
| 6.617 | 8.7842 | 19.31 | .Q | V | . | . | . | . |
| 6.633 | 8.8108 | 19.32 | .Q | V | . | . | . | . |
| 6.650 | 8.8374 | 19.34 | .Q | V | . | . | . | . |
| 6.667 | 8.8641 | 19.35 | .Q | V | . | . | . | . |
| 6.683 | 8.8907 | 19.37 | .Q | V | . | . | . | . |
| 6.700 | 8.9174 | 19.38 | .Q | V | . | . | . | . |
| 6.717 | 8.9442 | 19.40 | .Q | V | . | . | . | . |
| 6.733 | 8.9709 | 19.43 | .Q | V | . | . | . | . |
| 6.750 | 8.9977 | 19.46 | .Q | V | . | . | . | . |
| 6.767 | 9.0246 | 19.49 | .Q | V | . | . | . | . |
| 6.783 | 9.0515 | 19.52 | .Q | V | . | . | . | . |
| 6.800 | 9.0784 | 19.55 | .Q | V | . | . | . | . |
| 6.817 | 9.1053 | 19.58 | .Q | V | . | . | . | . |
| 6.833 | 9.1323 | 19.61 | .Q | V | . | . | . | . |
| 6.850 | 9.1594 | 19.63 | .Q | V | . | . | . | . |
| 6.867 | 9.1865 | 19.66 | .Q | V | . | . | . | . |
| 6.883 | 9.2136 | 19.69 | .Q | V | . | . | . | . |
| 6.900 | 9.2408 | 19.72 | .Q | V | . | . | . | . |
| 6.917 | 9.2680 | 19.75 | .Q | V | . | . | . | . |
| 6.933 | 9.2952 | 19.78 | .Q | V | . | . | . | . |
| 6.950 | 9.3225 | 19.81 | .Q | V | . | . | . | . |
| 6.967 | 9.3498 | 19.84 | .Q | V | . | . | . | . |
| 6.983 | 9.3772 | 19.87 | .Q | V | . | . | . | . |
| 7.000 | 9.4046 | 19.90 | .Q | V | . | . | . | . |
| 7.017 | 9.4320 | 19.92 | .Q | V | . | . | . | . |
| 7.033 | 9.4595 | 19.94 | .Q | V | . | . | . | . |
| 7.050 | 9.4870 | 19.96 | .Q | V | . | . | . | . |
| 7.067 | 9.5145 | 19.97 | .Q | V | . | . | . | . |
| 7.083 | 9.5420 | 19.99 | .Q | V | . | . | . | . |
| 7.100 | 9.5696 | 20.00 | .Q | V | . | . | . | . |
| 7.117 | 9.5972 | 20.02 | .Q | V | . | . | . | . |
| 7.133 | 9.6248 | 20.03 | .Q | V | . | . | . | . |
| 7.150 | 9.6524 | 20.05 | .Q | V | . | . | . | . |
| 7.167 | 9.6800 | 20.07 | .Q | V | . | . | . | . |
| 7.183 | 9.7077 | 20.08 | .Q | V | . | . | . | . |
| 7.200 | 9.7354 | 20.10 | .Q | V | . | . | . | . |
| 7.217 | 9.7631 | 20.11 | .Q | V | . | . | . | . |
| 7.233 | 9.7908 | 20.13 | .Q | V | . | . | . | . |
| 7.250 | 9.8185 | 20.14 | .Q | V | . | . | . | . |
| 7.267 | 9.8463 | 20.16 | .Q | V | . | . | . | . |
| 7.283 | 9.8741 | 20.17 | .Q | V | . | . | . | . |
| 7.300 | 9.9019 | 20.19 | .Q | V | . | . | . | . |
| 7.317 | 9.9297 | 20.20 | .Q | V | . | . | . | . |
| 7.333 | 9.9576 | 20.22 | .Q | V | . | . | . | . |
| 7.350 | 9.9855 | 20.26 | .Q | V | . | . | . | . |
| 7.367 | 10.0134 | 20.29 | .Q | V | . | . | . | . |
| 7.383 | 10.0414 | 20.32 | .Q | V | . | . | . | . |
| 7.400 | 10.0695 | 20.35 | .Q | V | . | . | . | . |
| 7.417 | 10.0975 | 20.39 | .Q | V | . | . | . | . |
| 7.433 | 10.1257 | 20.42 | .Q | V | . | . | . | . |
| 7.450 | 10.1538 | 20.45 | .Q | V | . | . | . | . |
| 7.467 | 10.1821 | 20.49 | .Q | V | . | . | . | . |
| 7.483 | 10.2103 | 20.52 | .Q | V | . | . | . | . |
| 7.500 | 10.2386 | 20.55 | .Q | V | . | . | . | . |
| 7.517 | 10.2670 | 20.58 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 7.533 | 10.2954 | 20.62 | .Q | V | . | . | . | . |
| 7.550 | 10.3238 | 20.65 | .Q | V | . | . | . | . |
| 7.567 | 10.3523 | 20.68 | .Q | V | . | . | . | . |
| 7.583 | 10.3808 | 20.71 | .Q | V | . | . | . | . |
| 7.600 | 10.4094 | 20.75 | .Q | V | . | . | . | . |
| 7.617 | 10.4380 | 20.78 | .Q | V | . | . | . | . |
| 7.633 | 10.4667 | 20.81 | .Q | V | . | . | . | . |
| 7.650 | 10.4954 | 20.83 | .Q | V | . | . | . | . |
| 7.667 | 10.5241 | 20.85 | .Q | V | . | . | . | . |
| 7.683 | 10.5529 | 20.87 | .Q | V | . | . | . | . |
| 7.700 | 10.5816 | 20.89 | .Q | V | . | . | . | . |
| 7.717 | 10.6104 | 20.90 | .Q | V | . | . | . | . |
| 7.733 | 10.6392 | 20.92 | .Q | V | . | . | . | . |
| 7.750 | 10.6681 | 20.94 | .Q | V | . | . | . | . |
| 7.767 | 10.6969 | 20.95 | .Q | V | . | . | . | . |
| 7.783 | 10.7258 | 20.97 | .Q | V | . | . | . | . |
| 7.800 | 10.7547 | 20.99 | .Q | V | . | . | . | . |
| 7.817 | 10.7837 | 21.01 | .Q | V | . | . | . | . |
| 7.833 | 10.8126 | 21.02 | .Q | V | . | . | . | . |
| 7.850 | 10.8416 | 21.04 | .Q | V | . | . | . | . |
| 7.867 | 10.8706 | 21.06 | .Q | V | . | . | . | . |
| 7.883 | 10.8996 | 21.07 | .Q | V | . | . | . | . |
| 7.900 | 10.9287 | 21.09 | .Q | V | . | . | . | . |
| 7.917 | 10.9578 | 21.11 | .Q | V | . | . | . | . |
| 7.933 | 10.9869 | 21.13 | .Q | V | . | . | . | . |
| 7.950 | 11.0160 | 21.15 | .Q | V | . | . | . | . |
| 7.967 | 11.0452 | 21.18 | .Q | V | . | . | . | . |
| 7.983 | 11.0744 | 21.22 | .Q | V | . | . | . | . |
| 8.000 | 11.1037 | 21.26 | .Q | V | . | . | . | . |
| 8.017 | 11.1330 | 21.29 | .Q | V | . | . | . | . |
| 8.033 | 11.1624 | 21.33 | .Q | V | . | . | . | . |
| 8.050 | 11.1918 | 21.37 | .Q | V | . | . | . | . |
| 8.067 | 11.2213 | 21.40 | .Q | V | . | . | . | . |
| 8.083 | 11.2508 | 21.44 | .Q | V | . | . | . | . |
| 8.100 | 11.2804 | 21.48 | .Q | V | . | . | . | . |
| 8.117 | 11.3100 | 21.51 | .Q | V | . | . | . | . |
| 8.133 | 11.3397 | 21.55 | .Q | V | . | . | . | . |
| 8.150 | 11.3695 | 21.59 | .Q | V | . | . | . | . |
| 8.167 | 11.3992 | 21.62 | .Q | V | . | . | . | . |
| 8.183 | 11.4291 | 21.66 | .Q | V | . | . | . | . |
| 8.200 | 11.4590 | 21.70 | .Q | V | . | . | . | . |
| 8.217 | 11.4889 | 21.73 | .Q | V | . | . | . | . |
| 8.233 | 11.5189 | 21.77 | .Q | V | . | . | . | . |
| 8.250 | 11.5489 | 21.81 | .Q | V | . | . | . | . |
| 8.267 | 11.5790 | 21.84 | .Q | V | . | . | . | . |
| 8.283 | 11.6091 | 21.85 | .Q | V | . | . | . | . |
| 8.300 | 11.6392 | 21.87 | .Q | V | . | . | . | . |
| 8.317 | 11.6694 | 21.89 | .Q | V | . | . | . | . |
| 8.333 | 11.6996 | 21.91 | .Q | V | . | . | . | . |
| 8.350 | 11.7298 | 21.93 | .Q | V | . | . | . | . |
| 8.367 | 11.7600 | 21.95 | .Q | V | . | . | . | . |
| 8.383 | 11.7903 | 21.97 | .Q | V | . | . | . | . |
| 8.400 | 11.8206 | 21.99 | .Q | V | . | . | . | . |
| 8.417 | 11.8509 | 22.01 | .Q | V | . | . | . | . |
| 8.433 | 11.8812 | 22.03 | .Q | V | . | . | . | . |
| 8.450 | 11.9116 | 22.05 | .Q | V | . | . | . | . |
| 8.467 | 11.9420 | 22.07 | .Q | V | . | . | . | . |
| 8.483 | 11.9724 | 22.09 | .Q | V | . | . | . | . |

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|-------|---------|-------|----|---|---|---|---|---|
| 8.500 | 12.0029 | 22.11 | .Q | V | . | . | . | . |
| 8.517 | 12.0334 | 22.13 | .Q | V | . | . | . | . |
| 8.533 | 12.0639 | 22.15 | .Q | V | . | . | . | . |
| 8.550 | 12.0944 | 22.17 | .Q | V | . | . | . | . |
| 8.567 | 12.1250 | 22.19 | .Q | V | . | . | . | . |
| 8.583 | 12.1556 | 22.23 | .Q | V | . | . | . | . |
| 8.600 | 12.1863 | 22.27 | .Q | V | . | . | . | . |
| 8.617 | 12.2170 | 22.31 | .Q | V | . | . | . | . |
| 8.633 | 12.2478 | 22.35 | .Q | V | . | . | . | . |
| 8.650 | 12.2786 | 22.39 | .Q | V | . | . | . | . |
| 8.667 | 12.3095 | 22.44 | .Q | V | . | . | . | . |
| 8.683 | 12.3405 | 22.48 | .Q | V | . | . | . | . |
| 8.700 | 12.3715 | 22.52 | .Q | V | . | . | . | . |
| 8.717 | 12.4026 | 22.56 | .Q | V | . | . | . | . |
| 8.733 | 12.4337 | 22.60 | .Q | V | . | . | . | . |
| 8.750 | 12.4649 | 22.64 | .Q | V | . | . | . | . |
| 8.767 | 12.4961 | 22.69 | .Q | V | . | . | . | . |
| 8.783 | 12.5275 | 22.73 | .Q | V | . | . | . | . |
| 8.800 | 12.5588 | 22.77 | .Q | V | . | . | . | . |
| 8.817 | 12.5902 | 22.81 | .Q | V | . | . | . | . |
| 8.833 | 12.6217 | 22.85 | .Q | V | . | . | . | . |
| 8.850 | 12.6533 | 22.89 | .Q | V | . | . | . | . |
| 8.867 | 12.6848 | 22.94 | .Q | V | . | . | . | . |
| 8.883 | 12.7165 | 22.97 | .Q | V | . | . | . | . |
| 8.900 | 12.7482 | 22.99 | .Q | V | . | . | . | . |
| 8.917 | 12.7799 | 23.02 | .Q | V | . | . | . | . |
| 8.933 | 12.8116 | 23.04 | .Q | V | . | . | . | . |
| 8.950 | 12.8434 | 23.06 | .Q | V | . | . | . | . |
| 8.967 | 12.8752 | 23.08 | .Q | V | . | . | . | . |
| 8.983 | 12.9070 | 23.11 | .Q | V | . | . | . | . |
| 9.000 | 12.9388 | 23.13 | .Q | V | . | . | . | . |
| 9.017 | 12.9707 | 23.15 | .Q | V | . | . | . | . |
| 9.033 | 13.0027 | 23.17 | .Q | V | . | . | . | . |
| 9.050 | 13.0346 | 23.20 | .Q | V | . | . | . | . |
| 9.067 | 13.0666 | 23.22 | .Q | V | . | . | . | . |
| 9.083 | 13.0986 | 23.24 | .Q | V | . | . | . | . |
| 9.100 | 13.1306 | 23.26 | .Q | V | . | . | . | . |
| 9.117 | 13.1627 | 23.29 | .Q | V | . | . | . | . |
| 9.133 | 13.1948 | 23.31 | .Q | V | . | . | . | . |
| 9.150 | 13.2270 | 23.33 | .Q | V | . | . | . | . |
| 9.167 | 13.2591 | 23.35 | .Q | V | . | . | . | . |
| 9.183 | 13.2913 | 23.37 | .Q | V | . | . | . | . |
| 9.200 | 13.3236 | 23.41 | .Q | V | . | . | . | . |
| 9.217 | 13.3559 | 23.46 | .Q | V | . | . | . | . |
| 9.233 | 13.3883 | 23.51 | .Q | V | . | . | . | . |
| 9.250 | 13.4207 | 23.56 | .Q | V | . | . | . | . |
| 9.267 | 13.4532 | 23.61 | .Q | V | . | . | . | . |
| 9.283 | 13.4858 | 23.65 | .Q | V | . | . | . | . |
| 9.300 | 13.5185 | 23.70 | .Q | V | . | . | . | . |
| 9.317 | 13.5512 | 23.75 | .Q | V | . | . | . | . |
| 9.333 | 13.5840 | 23.80 | .Q | V | . | . | . | . |
| 9.350 | 13.6168 | 23.85 | .Q | V | . | . | . | . |
| 9.367 | 13.6497 | 23.90 | .Q | V | . | . | . | . |
| 9.383 | 13.6827 | 23.94 | .Q | V | . | . | . | . |
| 9.400 | 13.7157 | 23.99 | .Q | V | . | . | . | . |
| 9.417 | 13.7489 | 24.04 | .Q | V | . | . | . | . |
| 9.433 | 13.7820 | 24.09 | .Q | V | . | . | . | . |
| 9.450 | 13.8153 | 24.14 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|
| 9.467 | 13.8486 | 24.18 | .Q | V | . | . | . |
| 9.483 | 13.8820 | 24.23 | .Q | V | . | . | . |
| 9.500 | 13.9154 | 24.28 | .Q | V | . | . | . |
| 9.517 | 13.9489 | 24.30 | .Q | V | . | . | . |
| 9.533 | 13.9824 | 24.33 | .Q | V | . | . | . |
| 9.550 | 14.0159 | 24.35 | .Q | V | . | . | . |
| 9.567 | 14.0495 | 24.38 | .Q | V | . | . | . |
| 9.583 | 14.0831 | 24.41 | .Q | V | . | . | . |
| 9.600 | 14.1168 | 24.43 | .Q | V | . | . | . |
| 9.617 | 14.1505 | 24.46 | .Q | V | . | . | . |
| 9.633 | 14.1842 | 24.48 | .Q | V | . | . | . |
| 9.650 | 14.2180 | 24.51 | .Q | V | . | . | . |
| 9.667 | 14.2518 | 24.54 | .Q | V | . | . | . |
| 9.683 | 14.2856 | 24.56 | .Q | V | . | . | . |
| 9.700 | 14.3195 | 24.59 | .Q | V | . | . | . |
| 9.717 | 14.3534 | 24.61 | .Q | V | . | . | . |
| 9.733 | 14.3873 | 24.64 | .Q | V | . | . | . |
| 9.750 | 14.4213 | 24.66 | .Q | V | . | . | . |
| 9.767 | 14.4553 | 24.69 | .Q | V | . | . | . |
| 9.783 | 14.4893 | 24.72 | .Q | V | . | . | . |
| 9.800 | 14.5234 | 24.74 | .Q | V | . | . | . |
| 9.817 | 14.5575 | 24.78 | .Q | V | . | . | . |
| 9.833 | 14.5918 | 24.84 | .Q | V | . | . | . |
| 9.850 | 14.6260 | 24.90 | .Q | V | . | . | . |
| 9.867 | 14.6604 | 24.95 | .Q | V | . | . | . |
| 9.883 | 14.6949 | 25.01 | .Q | V | . | . | . |
| 9.900 | 14.7294 | 25.06 | .Q | V | . | . | . |
| 9.917 | 14.7640 | 25.12 | .Q | V | . | . | . |
| 9.933 | 14.7987 | 25.17 | .Q | V | . | . | . |
| 9.950 | 14.8334 | 25.23 | .Q | V | . | . | . |
| 9.967 | 14.8682 | 25.29 | .Q | V | . | . | . |
| 9.983 | 14.9031 | 25.34 | .Q | V | . | . | . |
| 10.000 | 14.9381 | 25.40 | .Q | V | . | . | . |
| 10.017 | 14.9732 | 25.45 | .Q | V | . | . | . |
| 10.033 | 15.0083 | 25.51 | .Q | V | . | . | . |
| 10.050 | 15.0435 | 25.57 | .Q | V | . | . | . |
| 10.067 | 15.0788 | 25.62 | .Q | V | . | . | . |
| 10.083 | 15.1142 | 25.68 | .Q | V | . | . | . |
| 10.100 | 15.1497 | 25.73 | .Q | V | . | . | . |
| 10.117 | 15.1852 | 25.79 | .Q | V | . | . | . |
| 10.133 | 15.2207 | 25.82 | .Q | V | . | . | . |
| 10.150 | 15.2564 | 25.85 | .Q | V | . | . | . |
| 10.167 | 15.2920 | 25.88 | .Q | V | . | . | . |
| 10.183 | 15.3277 | 25.91 | .Q | V | . | . | . |
| 10.200 | 15.3634 | 25.94 | .Q | V | . | . | . |
| 10.217 | 15.3992 | 25.98 | .Q | V | . | . | . |
| 10.233 | 15.4350 | 26.01 | .Q | V | . | . | . |
| 10.250 | 15.4709 | 26.04 | .Q | V | . | . | . |
| 10.267 | 15.5068 | 26.07 | .Q | V | . | . | . |
| 10.283 | 15.5428 | 26.10 | .Q | V | . | . | . |
| 10.300 | 15.5787 | 26.13 | .Q | V | . | . | . |
| 10.317 | 15.6148 | 26.16 | .Q | V | . | . | . |
| 10.333 | 15.6508 | 26.19 | .Q | V | . | . | . |
| 10.350 | 15.6870 | 26.22 | .Q | V | . | . | . |
| 10.367 | 15.7231 | 26.25 | .Q | V | . | . | . |
| 10.383 | 15.7593 | 26.28 | .Q | V | . | . | . |
| 10.400 | 15.7955 | 26.31 | .Q | V | . | . | . |
| 10.417 | 15.8318 | 26.34 | .Q | V | . | . | . |

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|--------|---------|-------|----|---|---|---|---|
| 10.433 | 15.8682 | 26.38 | .Q | V | . | . | . |
| 10.450 | 15.9046 | 26.45 | .Q | V | . | . | . |
| 10.467 | 15.9411 | 26.51 | .Q | V | . | . | . |
| 10.483 | 15.9777 | 26.58 | .Q | V | . | . | . |
| 10.500 | 16.0144 | 26.65 | .Q | V | . | . | . |
| 10.517 | 16.0512 | 26.71 | .Q | V | . | . | . |
| 10.533 | 16.0881 | 26.78 | .Q | V | . | . | . |
| 10.550 | 16.1251 | 26.84 | .Q | V | . | . | . |
| 10.567 | 16.1621 | 26.91 | .Q | V | . | . | . |
| 10.583 | 16.1993 | 26.98 | .Q | V | . | . | . |
| 10.600 | 16.2365 | 27.04 | .Q | V | . | . | . |
| 10.617 | 16.2739 | 27.11 | .Q | V | . | . | . |
| 10.633 | 16.3113 | 27.18 | .Q | V | . | . | . |
| 10.650 | 16.3488 | 27.24 | .Q | V | . | . | . |
| 10.667 | 16.3865 | 27.31 | .Q | V | . | . | . |
| 10.683 | 16.4242 | 27.37 | .Q | V | . | . | . |
| 10.700 | 16.4620 | 27.44 | .Q | V | . | . | . |
| 10.717 | 16.4998 | 27.51 | .Q | V | . | . | . |
| 10.733 | 16.5378 | 27.57 | .Q | V | . | . | . |
| 10.750 | 16.5759 | 27.62 | .Q | V | . | . | . |
| 10.767 | 16.6140 | 27.65 | .Q | V | . | . | . |
| 10.783 | 16.6521 | 27.69 | .Q | V | . | . | . |
| 10.800 | 16.6903 | 27.73 | .Q | V | . | . | . |
| 10.817 | 16.7285 | 27.76 | .Q | V | . | . | . |
| 10.833 | 16.7668 | 27.80 | .Q | V | . | . | . |
| 10.850 | 16.8052 | 27.84 | .Q | V | . | . | . |
| 10.867 | 16.8435 | 27.87 | .Q | V | . | . | . |
| 10.883 | 16.8820 | 27.91 | .Q | V | . | . | . |
| 10.900 | 16.9205 | 27.94 | .Q | V | . | . | . |
| 10.917 | 16.9590 | 27.98 | .Q | V | . | . | . |
| 10.933 | 16.9976 | 28.02 | .Q | V | . | . | . |
| 10.950 | 17.0363 | 28.05 | .Q | V | . | . | . |
| 10.967 | 17.0749 | 28.09 | .Q | V | . | . | . |
| 10.983 | 17.1137 | 28.13 | .Q | V | . | . | . |
| 11.000 | 17.1525 | 28.16 | .Q | V | . | . | . |
| 11.017 | 17.1913 | 28.20 | .Q | V | . | . | . |
| 11.033 | 17.2302 | 28.23 | .Q | V | . | . | . |
| 11.050 | 17.2692 | 28.28 | .Q | V | . | . | . |
| 11.067 | 17.3082 | 28.36 | .Q | V | . | . | . |
| 11.083 | 17.3474 | 28.44 | .Q | V | . | . | . |
| 11.100 | 17.3867 | 28.52 | .Q | V | . | . | . |
| 11.117 | 17.4260 | 28.60 | .Q | V | . | . | . |
| 11.133 | 17.4655 | 28.67 | .Q | V | . | . | . |
| 11.150 | 17.5051 | 28.75 | .Q | V | . | . | . |
| 11.167 | 17.5449 | 28.83 | .Q | V | . | . | . |
| 11.183 | 17.5847 | 28.91 | .Q | V | . | . | . |
| 11.200 | 17.6246 | 28.99 | .Q | V | . | . | . |
| 11.217 | 17.6647 | 29.07 | .Q | V | . | . | . |
| 11.233 | 17.7048 | 29.15 | .Q | V | . | . | . |
| 11.250 | 17.7451 | 29.23 | .Q | V | . | . | . |
| 11.267 | 17.7855 | 29.31 | .Q | V | . | . | . |
| 11.283 | 17.8260 | 29.39 | .Q | V | . | . | . |
| 11.300 | 17.8666 | 29.47 | .Q | V | . | . | . |
| 11.317 | 17.9073 | 29.55 | .Q | V | . | . | . |
| 11.333 | 17.9481 | 29.63 | .Q | V | . | . | . |
| 11.350 | 17.9890 | 29.71 | .Q | V | . | . | . |
| 11.367 | 18.0300 | 29.78 | .Q | V | . | . | . |
| 11.383 | 18.0711 | 29.82 | .Q | V | . | . | . |

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|--------|---------|-------|-----|----|---|---|---|
| 11.400 | 18.1123 | 29.87 | . Q | V. | . | . | . |
| 11.417 | 18.1535 | 29.91 | . Q | V. | . | . | . |
| 11.433 | 18.1947 | 29.95 | . Q | V. | . | . | . |
| 11.450 | 18.2360 | 30.00 | . Q | V. | . | . | . |
| 11.467 | 18.2774 | 30.04 | . Q | V. | . | . | . |
| 11.483 | 18.3188 | 30.09 | . Q | V. | . | . | . |
| 11.500 | 18.3604 | 30.13 | . Q | V. | . | . | . |
| 11.517 | 18.4019 | 30.18 | . Q | V. | . | . | . |
| 11.533 | 18.4435 | 30.22 | . Q | V. | . | . | . |
| 11.550 | 18.4852 | 30.26 | . Q | V. | . | . | . |
| 11.567 | 18.5270 | 30.31 | . Q | V. | . | . | . |
| 11.583 | 18.5688 | 30.35 | . Q | V. | . | . | . |
| 11.600 | 18.6106 | 30.40 | . Q | V. | . | . | . |
| 11.617 | 18.6526 | 30.44 | . Q | V. | . | . | . |
| 11.633 | 18.6946 | 30.49 | . Q | V. | . | . | . |
| 11.650 | 18.7366 | 30.53 | . Q | V. | . | . | . |
| 11.667 | 18.7787 | 30.58 | . Q | V. | . | . | . |
| 11.683 | 18.8210 | 30.67 | . Q | V. | . | . | . |
| 11.700 | 18.8634 | 30.77 | . Q | V. | . | . | . |
| 11.717 | 18.9059 | 30.87 | . Q | V. | . | . | . |
| 11.733 | 18.9485 | 30.96 | . Q | V. | . | . | . |
| 11.750 | 18.9913 | 31.06 | . Q | V. | . | . | . |
| 11.767 | 19.0342 | 31.16 | . Q | V. | . | . | . |
| 11.783 | 19.0773 | 31.26 | . Q | V. | . | . | . |
| 11.800 | 19.1205 | 31.36 | . Q | V. | . | . | . |
| 11.817 | 19.1638 | 31.46 | . Q | V. | . | . | . |
| 11.833 | 19.2073 | 31.56 | . Q | V. | . | . | . |
| 11.850 | 19.2509 | 31.66 | . Q | V. | . | . | . |
| 11.867 | 19.2946 | 31.76 | . Q | V | . | . | . |
| 11.883 | 19.3385 | 31.85 | . Q | V | . | . | . |
| 11.900 | 19.3825 | 31.95 | . Q | V | . | . | . |
| 11.917 | 19.4267 | 32.05 | . Q | V | . | . | . |
| 11.933 | 19.4709 | 32.15 | . Q | V | . | . | . |
| 11.950 | 19.5154 | 32.25 | . Q | V | . | . | . |
| 11.967 | 19.5599 | 32.35 | . Q | V | . | . | . |
| 11.983 | 19.6047 | 32.49 | . Q | V | . | . | . |
| 12.000 | 19.6497 | 32.70 | . Q | V | . | . | . |
| 12.017 | 19.6951 | 32.92 | . Q | V | . | . | . |
| 12.033 | 19.7407 | 33.14 | . Q | V | . | . | . |
| 12.050 | 19.7867 | 33.36 | . Q | V | . | . | . |
| 12.067 | 19.8329 | 33.58 | . Q | V | . | . | . |
| 12.083 | 19.8795 | 33.80 | . Q | V | . | . | . |
| 12.100 | 19.9264 | 34.02 | . Q | V | . | . | . |
| 12.117 | 19.9735 | 34.24 | . Q | V | . | . | . |
| 12.133 | 20.0210 | 34.46 | . Q | V | . | . | . |
| 12.150 | 20.0688 | 34.68 | . Q | V | . | . | . |
| 12.167 | 20.1168 | 34.90 | . Q | V | . | . | . |
| 12.183 | 20.1652 | 35.12 | . Q | V | . | . | . |
| 12.200 | 20.2139 | 35.34 | . Q | V | . | . | . |
| 12.217 | 20.2629 | 35.56 | . Q | V | . | . | . |
| 12.233 | 20.3122 | 35.78 | . Q | V | . | . | . |
| 12.250 | 20.3617 | 36.00 | . Q | V | . | . | . |
| 12.267 | 20.4116 | 36.22 | . Q | V | . | . | . |
| 12.283 | 20.4618 | 36.44 | . Q | V | . | . | . |
| 12.300 | 20.5125 | 36.81 | . Q | V | . | . | . |
| 12.317 | 20.5638 | 37.24 | . Q | V | . | . | . |
| 12.333 | 20.6157 | 37.67 | . Q | V | . | . | . |
| 12.350 | 20.6682 | 38.10 | . Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 12.367 | 20.7213 | 38.53 | . Q | V | . | . | . |
| 12.383 | 20.7749 | 38.96 | . Q | V | . | . | . |
| 12.400 | 20.8292 | 39.39 | . Q | V | . | . | . |
| 12.417 | 20.8840 | 39.83 | . Q | V | . | . | . |
| 12.433 | 20.9395 | 40.26 | . Q | V | . | . | . |
| 12.450 | 20.9955 | 40.69 | . Q | V | . | . | . |
| 12.467 | 21.0522 | 41.12 | . Q | V | . | . | . |
| 12.483 | 21.1094 | 41.55 | . Q | V | . | . | . |
| 12.500 | 21.1672 | 41.98 | . Q | V | . | . | . |
| 12.517 | 21.2256 | 42.41 | . Q | .V | . | . | . |
| 12.533 | 21.2847 | 42.84 | . Q | .V | . | . | . |
| 12.550 | 21.3443 | 43.28 | . Q | .V | . | . | . |
| 12.567 | 21.4045 | 43.71 | . Q | .V | . | . | . |
| 12.583 | 21.4653 | 44.14 | . Q | .V | . | . | . |
| 12.600 | 21.5266 | 44.50 | . Q | .V | . | . | . |
| 12.617 | 21.5880 | 44.61 | . Q | .V | . | . | . |
| 12.633 | 21.6496 | 44.69 | . Q | .V | . | . | . |
| 12.650 | 21.7112 | 44.76 | . Q | .V | . | . | . |
| 12.667 | 21.7730 | 44.84 | . Q | .V | . | . | . |
| 12.683 | 21.8348 | 44.91 | . Q | .V | . | . | . |
| 12.700 | 21.8968 | 44.99 | . Q | .V | . | . | . |
| 12.717 | 21.9589 | 45.07 | . Q | .V | . | . | . |
| 12.733 | 22.0211 | 45.14 | . Q | .V | . | . | . |
| 12.750 | 22.0834 | 45.22 | . Q | .V | . | . | . |
| 12.767 | 22.1457 | 45.30 | . Q | .V | . | . | . |
| 12.783 | 22.2082 | 45.37 | . Q | .V | . | . | . |
| 12.800 | 22.2708 | 45.45 | . Q | .V | . | . | . |
| 12.817 | 22.3335 | 45.52 | . Q | .V | . | . | . |
| 12.833 | 22.3964 | 45.60 | . Q | .V | . | . | . |
| 12.850 | 22.4593 | 45.68 | . Q | .V | . | . | . |
| 12.867 | 22.5223 | 45.75 | . Q | .V | . | . | . |
| 12.883 | 22.5854 | 45.83 | . Q | .V | . | . | . |
| 12.900 | 22.6486 | 45.91 | . Q | .V | . | . | . |
| 12.917 | 22.7121 | 46.03 | . Q | .V | . | . | . |
| 12.933 | 22.7757 | 46.21 | . Q | .V | . | . | . |
| 12.950 | 22.8396 | 46.38 | . Q | .V | . | . | . |
| 12.967 | 22.9037 | 46.56 | . Q | .V | . | . | . |
| 12.983 | 22.9681 | 46.74 | . Q | .V | . | . | . |
| 13.000 | 23.0327 | 46.91 | . Q | .V | . | . | . |
| 13.017 | 23.0976 | 47.09 | . Q | .V | . | . | . |
| 13.033 | 23.1627 | 47.26 | . Q | . V | . | . | . |
| 13.050 | 23.2280 | 47.44 | . Q | . V | . | . | . |
| 13.067 | 23.2936 | 47.62 | . Q | . V | . | . | . |
| 13.083 | 23.3594 | 47.79 | . Q | . V | . | . | . |
| 13.100 | 23.4255 | 47.97 | . Q | . V | . | . | . |
| 13.117 | 23.4918 | 48.14 | . Q | . V | . | . | . |
| 13.133 | 23.5584 | 48.32 | . Q | . V | . | . | . |
| 13.150 | 23.6252 | 48.50 | . Q | . V | . | . | . |
| 13.167 | 23.6922 | 48.67 | . Q | . V | . | . | . |
| 13.183 | 23.7595 | 48.85 | . Q | . V | . | . | . |
| 13.200 | 23.8270 | 49.02 | . Q | . V | . | . | . |
| 13.217 | 23.8948 | 49.19 | . Q | . V | . | . | . |
| 13.233 | 23.9627 | 49.31 | . Q | . V | . | . | . |
| 13.250 | 24.0308 | 49.41 | . Q | . V | . | . | . |
| 13.267 | 24.0990 | 49.52 | . Q | . V | . | . | . |
| 13.283 | 24.1673 | 49.62 | . Q | . V | . | . | . |
| 13.300 | 24.2358 | 49.72 | . Q | . V | . | . | . |
| 13.317 | 24.3044 | 49.82 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|
| 13.333 | 24.3732 | 49.93 | . | Q | . | V | . | . | . |
| 13.350 | 24.4421 | 50.03 | . | Q | . | V | . | . | . |
| 13.367 | 24.5112 | 50.13 | . | Q | . | V | . | . | . |
| 13.383 | 24.5804 | 50.23 | . | Q | . | V | . | . | . |
| 13.400 | 24.6497 | 50.34 | . | Q | . | V | . | . | . |
| 13.417 | 24.7192 | 50.44 | . | Q | . | V | . | . | . |
| 13.433 | 24.7888 | 50.54 | . | Q | . | V | . | . | . |
| 13.450 | 24.8585 | 50.65 | . | Q | . | V | . | . | . |
| 13.467 | 24.9284 | 50.75 | . | Q | . | V | . | . | . |
| 13.483 | 24.9985 | 50.85 | . | Q | . | V | . | . | . |
| 13.500 | 25.0687 | 50.95 | . | Q | . | V | . | . | . |
| 13.517 | 25.1390 | 51.06 | . | Q | . | V | . | . | . |
| 13.533 | 25.2095 | 51.20 | . | Q | . | V | . | . | . |
| 13.550 | 25.2804 | 51.45 | . | Q | . | V | . | . | . |
| 13.567 | 25.3516 | 51.69 | . | Q | . | V | . | . | . |
| 13.583 | 25.4231 | 51.94 | . | Q | . | V | . | . | . |
| 13.600 | 25.4950 | 52.18 | . | Q | . | V | . | . | . |
| 13.617 | 25.5672 | 52.43 | . | Q | . | V | . | . | . |
| 13.633 | 25.6398 | 52.67 | . | Q | . | V | . | . | . |
| 13.650 | 25.7127 | 52.92 | . | Q | . | V | . | . | . |
| 13.667 | 25.7859 | 53.16 | . | Q | . | V | . | . | . |
| 13.683 | 25.8594 | 53.41 | . | Q | . | V | . | . | . |
| 13.700 | 25.9334 | 53.65 | . | Q | . | V | . | . | . |
| 13.717 | 26.0076 | 53.90 | . | Q | . | V | . | . | . |
| 13.733 | 26.0822 | 54.14 | . | Q | . | V | . | . | . |
| 13.750 | 26.1571 | 54.39 | . | Q | . | V | . | . | . |
| 13.767 | 26.2323 | 54.63 | . | Q | . | V | . | . | . |
| 13.783 | 26.3079 | 54.88 | . | Q | . | V | . | . | . |
| 13.800 | 26.3839 | 55.13 | . | Q | . | V | . | . | . |
| 13.817 | 26.4601 | 55.37 | . | Q | . | V | . | . | . |
| 13.833 | 26.5367 | 55.61 | . | Q | . | V | . | . | . |
| 13.850 | 26.6136 | 55.79 | . | Q | . | V | . | . | . |
| 13.867 | 26.6906 | 55.94 | . | Q | . | V | . | . | . |
| 13.883 | 26.7679 | 56.09 | . | Q | . | V | . | . | . |
| 13.900 | 26.8454 | 56.24 | . | Q | . | V | . | . | . |
| 13.917 | 26.9230 | 56.39 | . | Q | . | V | . | . | . |
| 13.933 | 27.0009 | 56.54 | . | Q | . | V | . | . | . |
| 13.950 | 27.0790 | 56.69 | . | Q | . | V | . | . | . |
| 13.967 | 27.1573 | 56.83 | . | Q | . | V | . | . | . |
| 13.983 | 27.2358 | 56.98 | . | Q | . | V | . | . | . |
| 14.000 | 27.3145 | 57.13 | . | Q | . | V | . | . | . |
| 14.017 | 27.3934 | 57.28 | . | Q | . | V | . | . | . |
| 14.033 | 27.4725 | 57.43 | . | Q | . | V | . | . | . |
| 14.050 | 27.5518 | 57.58 | . | Q | . | V | . | . | . |
| 14.067 | 27.6313 | 57.73 | . | Q | . | V | . | . | . |
| 14.083 | 27.7110 | 57.88 | . | Q | . | V | . | . | . |
| 14.100 | 27.7909 | 58.02 | . | Q | . | V | . | . | . |
| 14.117 | 27.8711 | 58.17 | . | Q | . | V | . | . | . |
| 14.133 | 27.9514 | 58.32 | . | Q | . | V | . | . | . |
| 14.150 | 28.0320 | 58.51 | . | Q | . | V | . | . | . |
| 14.167 | 28.1131 | 58.89 | . | Q | . | V | . | . | . |
| 14.183 | 28.1948 | 59.28 | . | Q | . | V | . | . | . |
| 14.200 | 28.2769 | 59.67 | . | Q | . | V | . | . | . |
| 14.217 | 28.3597 | 60.06 | . | Q | . | V | . | . | . |
| 14.233 | 28.4430 | 60.46 | . | Q | . | V | . | . | . |
| 14.250 | 28.5268 | 60.85 | . | Q | . | V | . | . | . |
| 14.267 | 28.6111 | 61.24 | . | Q | . | V | . | . | . |
| 14.283 | 28.6960 | 61.63 | . | Q | . | V | . | . | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|
| 14.300 | 28.7815 | 62.03 | . | Q | . | V | . | . | . |
| 14.317 | 28.8674 | 62.42 | . | Q | . | V | . | . | . |
| 14.333 | 28.9539 | 62.81 | . | Q | . | V | . | . | . |
| 14.350 | 29.0410 | 63.20 | . | Q | . | V | . | . | . |
| 14.367 | 29.1286 | 63.60 | . | Q | . | V | . | . | . |
| 14.383 | 29.2167 | 63.99 | . | Q | . | V | . | . | . |
| 14.400 | 29.3054 | 64.38 | . | Q | . | V | . | . | . |
| 14.417 | 29.3946 | 64.77 | . | Q | . | V | . | . | . |
| 14.433 | 29.4844 | 65.17 | . | Q | . | V | . | . | . |
| 14.450 | 29.5747 | 65.56 | . | Q | . | V | . | . | . |
| 14.467 | 29.6654 | 65.88 | . | Q | . | V | . | . | . |
| 14.483 | 29.7565 | 66.12 | . | Q | . | V | . | . | . |
| 14.500 | 29.8479 | 66.36 | . | Q | . | V | . | . | . |
| 14.517 | 29.9397 | 66.60 | . | Q | . | V | . | . | . |
| 14.533 | 30.0317 | 66.85 | . | Q | . | V | . | . | . |
| 14.550 | 30.1241 | 67.09 | . | Q | . | V | . | . | . |
| 14.567 | 30.2169 | 67.33 | . | Q | . | V | . | . | . |
| 14.583 | 30.3100 | 67.58 | . | Q | . | V | . | . | . |
| 14.600 | 30.4034 | 67.82 | . | Q | . | V | . | . | . |
| 14.617 | 30.4971 | 68.06 | . | Q | . | V | . | . | . |
| 14.633 | 30.5912 | 68.31 | . | Q | . | V | . | . | . |
| 14.650 | 30.6856 | 68.55 | . | Q | . | V | . | . | . |
| 14.667 | 30.7804 | 68.79 | . | Q | . | V | . | . | . |
| 14.683 | 30.8755 | 69.03 | . | Q | . | V | . | . | . |
| 14.700 | 30.9709 | 69.28 | . | Q | . | V | . | . | . |
| 14.717 | 31.0667 | 69.52 | . | Q | . | V | . | . | . |
| 14.733 | 31.1628 | 69.76 | . | Q | . | V | . | . | . |
| 14.750 | 31.2592 | 70.01 | . | Q | . | V | . | . | . |
| 14.767 | 31.3560 | 70.28 | . | Q | . | V | . | . | . |
| 14.783 | 31.4536 | 70.88 | . | Q | . | V | . | . | . |
| 14.800 | 31.5522 | 71.56 | . | Q | . | V | . | . | . |
| 14.817 | 31.6517 | 72.24 | . | Q | . | V | . | . | . |
| 14.833 | 31.7521 | 72.92 | . | Q | . | V | . | . | . |
| 14.850 | 31.8535 | 73.59 | . | Q | . | V | . | . | . |
| 14.867 | 31.9558 | 74.27 | . | Q | . | V | . | . | . |
| 14.883 | 32.0590 | 74.95 | . | Q | . | V | . | . | . |
| 14.900 | 32.1632 | 75.62 | . | Q | . | V | . | . | . |
| 14.917 | 32.2683 | 76.30 | . | Q | . | V | . | . | . |
| 14.933 | 32.3743 | 76.98 | . | Q | . | V | . | . | . |
| 14.950 | 32.4813 | 77.66 | . | Q | . | V | . | . | . |
| 14.967 | 32.5892 | 78.33 | . | Q | . | V | . | . | . |
| 14.983 | 32.6980 | 79.01 | . | Q | . | V | . | . | . |
| 15.000 | 32.8078 | 79.69 | . | Q | . | V | . | . | . |
| 15.017 | 32.9185 | 80.37 | . | Q | . | V | . | . | . |
| 15.033 | 33.0301 | 81.04 | . | Q | . | V | . | . | . |
| 15.050 | 33.1427 | 81.72 | . | Q | . | V | . | . | . |
| 15.067 | 33.2562 | 82.40 | . | Q | . | V | . | . | . |
| 15.083 | 33.3705 | 83.02 | . | Q | . | V | . | . | . |
| 15.100 | 33.4856 | 83.53 | . | Q | . | V | . | . | . |
| 15.117 | 33.6013 | 84.03 | . | Q | . | V | . | . | . |
| 15.133 | 33.7177 | 84.53 | . | Q | . | V | . | . | . |
| 15.150 | 33.8349 | 85.03 | . | Q | . | V | . | . | . |
| 15.167 | 33.9527 | 85.54 | . | Q | . | V | . | . | . |
| 15.183 | 34.0712 | 86.04 | . | Q | . | V | . | . | . |
| 15.200 | 34.1904 | 86.54 | . | Q | . | V | . | . | . |
| 15.217 | 34.3103 | 87.04 | . | Q | . | V | . | . | . |
| 15.233 | 34.4309 | 87.55 | . | Q | . | V | . | . | . |
| 15.250 | 34.5522 | 88.05 | . | Q | . | V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|----|---|----|---|---|---|
| 15.267 | 34.6742 | 88.55 | . | Q | . | V | . | . | . |
| 15.283 | 34.7968 | 89.06 | . | Q | . | V | . | . | . |
| 15.300 | 34.9202 | 89.56 | . | Q | . | V | . | . | . |
| 15.317 | 35.0442 | 90.06 | . | Q | . | V | . | . | . |
| 15.333 | 35.1690 | 90.56 | . | Q | . | V | . | . | . |
| 15.350 | 35.2944 | 91.07 | . | Q | . | V | . | . | . |
| 15.367 | 35.4205 | 91.57 | . | Q | . | V | . | . | . |
| 15.383 | 35.5474 | 92.08 | . | Q | . | V | . | . | . |
| 15.400 | 35.6755 | 93.01 | . | Q | . | V | . | . | . |
| 15.417 | 35.8051 | 94.13 | . | Q | . | V | . | . | . |
| 15.433 | 35.9363 | 95.25 | . | Q | . | V | . | . | . |
| 15.450 | 36.0691 | 96.37 | . | Q | . | V | . | . | . |
| 15.467 | 36.2034 | 97.50 | . | Q | . | V | . | . | . |
| 15.483 | 36.3392 | 98.62 | . | Q | . | V | . | . | . |
| 15.500 | 36.4766 | 99.74 | . | Q | . | V | . | . | . |
| 15.517 | 36.6155 | 100.86 | . | Q | . | V | . | . | . |
| 15.533 | 36.7560 | 101.98 | . | Q | . | V | . | . | . |
| 15.550 | 36.8980 | 103.10 | . | Q | . | V | . | . | . |
| 15.567 | 37.0416 | 104.23 | . | Q | . | V | . | . | . |
| 15.583 | 37.1867 | 105.35 | . | Q | . | V | . | . | . |
| 15.600 | 37.3333 | 106.47 | . | Q | . | V | . | . | . |
| 15.617 | 37.4815 | 107.59 | . | Q | . | V | . | . | . |
| 15.633 | 37.6313 | 108.71 | . | Q | . | V | . | . | . |
| 15.650 | 37.7826 | 109.83 | . | Q | . | V | . | . | . |
| 15.667 | 37.9354 | 110.96 | . | Q | . | V | . | . | . |
| 15.683 | 38.0898 | 112.08 | . | Q | . | V | . | . | . |
| 15.700 | 38.2461 | 113.48 | . | Q | . | V | . | . | . |
| 15.717 | 38.4059 | 116.02 | . | Q | . | V | . | . | . |
| 15.733 | 38.5694 | 118.68 | . | Q | . | V | . | . | . |
| 15.750 | 38.7365 | 121.35 | . | Q | . | V | . | . | . |
| 15.767 | 38.9073 | 124.01 | . | Q | . | V | . | . | . |
| 15.783 | 39.0818 | 126.68 | . | Q | . | V | . | . | . |
| 15.800 | 39.2600 | 129.34 | . | Q | . | V | . | . | . |
| 15.817 | 39.4418 | 132.00 | . | Q | . | V | . | . | . |
| 15.833 | 39.6273 | 134.67 | . | Q | . | V | . | . | . |
| 15.850 | 39.8164 | 137.33 | . | Q | . | V | . | . | . |
| 15.867 | 40.0093 | 140.00 | . | Q | . | V | . | . | . |
| 15.883 | 40.2058 | 142.66 | . | Q | . | V | . | . | . |
| 15.900 | 40.4059 | 145.33 | . | Q | . | V | . | . | . |
| 15.917 | 40.6098 | 147.99 | . | .Q | . | .V | . | . | . |
| 15.933 | 40.8173 | 150.66 | . | .Q | . | .V | . | . | . |
| 15.950 | 41.0285 | 153.32 | . | .Q | . | .V | . | . | . |
| 15.967 | 41.2433 | 155.98 | . | .Q | . | .V | . | . | . |
| 15.983 | 41.4619 | 158.65 | . | .Q | . | .V | . | . | . |
| 16.000 | 41.6841 | 161.31 | . | .Q | . | .V | . | . | . |
| 16.017 | 41.9218 | 172.63 | . | .Q | . | .V | . | . | . |
| 16.033 | 42.1871 | 192.59 | . | .Q | . | .V | . | . | . |
| 16.050 | 42.4799 | 212.55 | . | .Q | . | .V | . | . | . |
| 16.067 | 42.8001 | 232.51 | . | .Q | . | .V | . | . | . |
| 16.083 | 43.1479 | 252.47 | . | .Q | . | .V | . | . | . |
| 16.100 | 43.5232 | 272.43 | . | .Q | . | .V | . | . | . |
| 16.117 | 43.9259 | 292.39 | . | .Q | . | .V | . | . | . |
| 16.133 | 44.3561 | 312.36 | . | .Q | . | .V | . | . | . |
| 16.150 | 44.8139 | 332.32 | . | .Q | . | .V | . | . | . |
| 16.167 | 45.2991 | 352.28 | . | .Q | . | .V | . | . | . |
| 16.183 | 45.8118 | 372.24 | . | .Q | . | .V | . | . | . |
| 16.200 | 46.3521 | 392.20 | . | .Q | . | .V | . | . | . |
| 16.217 | 46.9198 | 412.16 | . | .Q | . | .V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|
| 16.233 | 47.5150 | 432.12 | . | . | . | V | . | Q | . |
| 16.250 | 48.1377 | 452.08 | . | . | . | V | . | Q | . |
| 16.267 | 48.7879 | 472.05 | . | . | . | V | . | Q | . |
| 16.283 | 49.4656 | 492.01 | . | . | . | V | . | Q | . |
| 16.300 | 50.1708 | 511.97 | . | . | . | V | . | Q | . |
| 16.317 | 50.9062 | 533.93 | . | . | . | V | . | Q | . |
| 16.333 | 51.6129 | 513.04 | . | . | . | V | . | Q | . |
| 16.350 | 52.2876 | 489.84 | . | . | . | V | . | Q | . |
| 16.367 | 52.9304 | 466.64 | . | . | . | V | . | Q | . |
| 16.383 | 53.5412 | 443.44 | . | . | . | V | . | Q | . |
| 16.400 | 54.1200 | 420.24 | . | . | . | V | . | Q | . |
| 16.417 | 54.6669 | 397.04 | . | . | . | V | . | Q | . |
| 16.433 | 55.1818 | 373.84 | . | . | . | V | . | Q | . |
| 16.450 | 55.6648 | 350.64 | . | . | . | V | . | Q | . |
| 16.467 | 56.1158 | 327.44 | . | . | . | V | . | Q | . |
| 16.483 | 56.5349 | 304.24 | . | . | . | V | . | Q | . |
| 16.500 | 56.9220 | 281.04 | . | . | . | V | . | Q | . |
| 16.517 | 57.2771 | 257.84 | . | . | . | V | . | Q | . |
| 16.533 | 57.6003 | 234.64 | . | . | . | V | . | Q | . |
| 16.550 | 57.8916 | 211.44 | . | . | . | V | . | Q | . |
| 16.567 | 58.1508 | 188.24 | . | . | . | V | . | Q | . |
| 16.583 | 58.3782 | 165.03 | . | . | . | V | . | Q | . |
| 16.600 | 58.5735 | 141.83 | . | . | . | V | . | Q | . |
| 16.617 | 58.7369 | 118.63 | . | . | . | V | . | Q | . |
| 16.633 | 58.8780 | 102.40 | . | . | . | V | . | Q | . |
| 16.650 | 59.0165 | 100.54 | . | . | . | V | . | Q | . |
| 16.667 | 59.1530 | 99.11 | . | . | . | V | . | Q | . |
| 16.683 | 59.2875 | 97.68 | . | . | . | V | . | Q | . |
| 16.700 | 59.4201 | 96.25 | . | . | . | V | . | Q | . |
| 16.717 | 59.5507 | 94.82 | . | . | . | V | . | Q | . |
| 16.733 | 59.6794 | 93.39 | . | . | . | V | . | Q | . |
| 16.750 | 59.8060 | 91.97 | . | . | . | V | . | Q | . |
| 16.767 | 59.9307 | 90.54 | . | . | . | V | . | Q | . |
| 16.783 | 60.0535 | 89.11 | . | . | . | V | . | Q | . |
| 16.800 | 60.1743 | 87.68 | . | . | . | V | . | Q | . |
| 16.817 | 60.2931 | 86.25 | . | . | . | V | . | Q | . |
| 16.833 | 60.4099 | 84.82 | . | . | . | V | . | Q | . |
| 16.850 | 60.5248 | 83.40 | . | . | . | V | . | Q | . |
| 16.867 | 60.6377 | 81.97 | . | . | . | V | . | Q | . |
| 16.883 | 60.7486 | 80.54 | . | . | . | V | . | Q | . |
| 16.900 | 60.8576 | 79.11 | . | . | . | V | . | Q | . |
| 16.917 | 60.9646 | 77.68 | . | . | . | V | . | Q | . |
| 16.933 | 61.0696 | 76.27 | . | . | . | V | . | Q | . |
| 16.950 | 61.1733 | 75.30 | . | . | . | V | . | Q | . |
| 16.967 | 61.2760 | 74.55 | . | . | . | V | . | Q | . |
| 16.983 | 61.3777 | 73.80 | . | . | . | V | . | Q | . |
| 17.000 | 61.4783 | 73.05 | . | . | . | V | . | Q | . |
| 17.017 | 61.5779 | 72.30 | . | . | . | V | . | Q | . |
| 17.033 | 61.6765 | 71.55 | . | . | . | V | . | Q | . |
| 17.050 | 61.7740 | 70.80 | . | . | . | V | . | Q | . |
| 17.067 | 61.8705 | 70.05 | . | . | . | V | . | Q | . |
| 17.083 | 61.9659 | 69.30 | . | . | . | V | . | Q | . |
| 17.100 | 62.0604 | 68.55 | . | . | . | V | . | Q | . |
| 17.117 | 62.1537 | 67.80 | . | . | . | V | . | Q | . |
| 17.133 | 62.2461 | 67.05 | . | . | . | V | . | Q | . |
| 17.150 | 62.3374 | 66.30 | . | . | . | V | . | Q | . |
| 17.167 | 62.4277 | 65.55 | . | . | . | V | . | Q | . |
| 17.183 | 62.5170 | 64.80 | . | . | . | V | . | Q | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|
| 17.200 | 62.6052 | 64.05 | . | Q | . | . | . | V | . |
| 17.217 | 62.6924 | 63.30 | . | Q | . | . | . | V | . |
| 17.233 | 62.7786 | 62.55 | . | Q | . | . | . | V | . |
| 17.250 | 62.8638 | 61.86 | . | Q | . | . | . | V | . |
| 17.267 | 62.9483 | 61.37 | . | Q | . | . | . | V | . |
| 17.283 | 63.0322 | 60.91 | . | Q | . | . | . | V | . |
| 17.300 | 63.1155 | 60.44 | . | Q | . | . | . | V | . |
| 17.317 | 63.1981 | 59.98 | . | Q | . | . | . | V | . |
| 17.333 | 63.2801 | 59.52 | . | Q | . | . | . | V | . |
| 17.350 | 63.3614 | 59.06 | . | Q | . | . | . | V | . |
| 17.367 | 63.4421 | 58.59 | . | Q | . | . | . | V | . |
| 17.383 | 63.5222 | 58.13 | . | Q | . | . | . | V | . |
| 17.400 | 63.6016 | 57.67 | . | Q | . | . | . | V | . |
| 17.417 | 63.6804 | 57.20 | . | Q | . | . | . | V | . |
| 17.433 | 63.7586 | 56.74 | . | Q | . | . | . | V | . |
| 17.450 | 63.8361 | 56.28 | . | Q | . | . | . | V | . |
| 17.467 | 63.9130 | 55.81 | . | Q | . | . | . | V | . |
| 17.483 | 63.9892 | 55.35 | . | Q | . | . | . | V | . |
| 17.500 | 64.0648 | 54.89 | . | Q | . | . | . | V | . |
| 17.517 | 64.1398 | 54.43 | . | Q | . | . | . | V | . |
| 17.533 | 64.2141 | 53.96 | . | Q | . | . | . | V | . |
| 17.550 | 64.2878 | 53.50 | . | Q | . | . | . | V | . |
| 17.567 | 64.3609 | 53.11 | . | Q | . | . | . | V | . |
| 17.583 | 64.4337 | 52.80 | . | Q | . | . | . | V | . |
| 17.600 | 64.5060 | 52.49 | . | Q | . | . | . | V | . |
| 17.617 | 64.5779 | 52.18 | . | Q | . | . | . | V | . |
| 17.633 | 64.6493 | 51.87 | . | Q | . | . | . | V | . |
| 17.650 | 64.7203 | 51.56 | . | Q | . | . | . | V | . |
| 17.667 | 64.7909 | 51.25 | . | Q | . | . | . | V | . |
| 17.683 | 64.8611 | 50.94 | . | Q | . | . | . | V | . |
| 17.700 | 64.9308 | 50.63 | . | Q | . | . | . | V | . |
| 17.717 | 65.0001 | 50.32 | . | Q | . | . | . | V | . |
| 17.733 | 65.0690 | 50.01 | . | Q | . | . | . | V | . |
| 17.750 | 65.1375 | 49.70 | . | Q | . | . | . | V | . |
| 17.767 | 65.2055 | 49.39 | . | Q | . | . | . | V | . |
| 17.783 | 65.2731 | 49.08 | . | Q | . | . | . | V | . |
| 17.800 | 65.3403 | 48.77 | . | Q | . | . | . | V | . |
| 17.817 | 65.4071 | 48.46 | . | Q | . | . | . | V | . |
| 17.833 | 65.4734 | 48.15 | . | Q | . | . | . | V | . |
| 17.850 | 65.5393 | 47.84 | . | Q | . | . | . | V | . |
| 17.867 | 65.6047 | 47.54 | . | Q | . | . | . | V | . |
| 17.883 | 65.6699 | 47.29 | . | Q | . | . | . | V | . |
| 17.900 | 65.7347 | 47.06 | . | Q | . | . | . | V | . |
| 17.917 | 65.7992 | 46.83 | . | Q | . | . | . | V | . |
| 17.933 | 65.8634 | 46.60 | . | Q | . | . | . | V | . |
| 17.950 | 65.9273 | 46.37 | . | Q | . | . | . | V | . |
| 17.967 | 65.9908 | 46.14 | . | Q | . | . | . | V | . |
| 17.983 | 66.0541 | 45.91 | . | Q | . | . | . | V | . |
| 18.000 | 66.1170 | 45.69 | . | Q | . | . | . | V | . |
| 18.017 | 66.1796 | 45.46 | . | Q | . | . | . | V | . |
| 18.033 | 66.2419 | 45.23 | . | Q | . | . | . | V | . |
| 18.050 | 66.3039 | 45.00 | . | Q | . | . | . | V | . |
| 18.067 | 66.3656 | 44.77 | . | Q | . | . | . | V | . |
| 18.083 | 66.4269 | 44.54 | . | Q | . | . | . | V | . |
| 18.100 | 66.4879 | 44.31 | . | Q | . | . | . | V | . |
| 18.117 | 66.5487 | 44.08 | . | Q | . | . | . | V | . |
| 18.133 | 66.6090 | 43.85 | . | Q | . | . | . | V | . |
| 18.150 | 66.6691 | 43.62 | . | Q | . | . | . | V | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|
| 18.167 | 66.7289 | 43.39 | . | Q | . | . | . | V | . |
| 18.183 | 66.7882 | 43.03 | . | Q | . | . | . | V | . |
| 18.200 | 66.8466 | 42.41 | . | Q | . | . | . | V | . |
| 18.217 | 66.9041 | 41.77 | . | Q | . | . | . | V | . |
| 18.233 | 66.9608 | 41.14 | . | Q | . | . | . | V | . |
| 18.250 | 67.0166 | 40.51 | . | Q | . | . | . | V | . |
| 18.267 | 67.0715 | 39.88 | . | Q | . | . | . | V | . |
| 18.283 | 67.1255 | 39.24 | . | Q | . | . | . | V | . |
| 18.300 | 67.1787 | 38.61 | . | Q | . | . | . | V | . |
| 18.317 | 67.2310 | 37.98 | . | Q | . | . | . | V | . |
| 18.333 | 67.2825 | 37.35 | . | Q | . | . | . | V | . |
| 18.350 | 67.3330 | 36.71 | . | Q | . | . | . | V | . |
| 18.367 | 67.3827 | 36.08 | . | Q | . | . | . | V | . |
| 18.383 | 67.4316 | 35.45 | . | Q | . | . | . | V | . |
| 18.400 | 67.4795 | 34.82 | . | Q | . | . | . | V | . |
| 18.417 | 67.5266 | 34.18 | . | Q | . | . | . | V | . |
| 18.433 | 67.5728 | 33.55 | . | Q | . | . | . | V | . |
| 18.450 | 67.6182 | 32.92 | . | Q | . | . | . | V | . |
| 18.467 | 67.6626 | 32.29 | . | Q | . | . | . | V | . |
| 18.483 | 67.7062 | 31.66 | . | Q | . | . | . | V | . |
| 18.500 | 67.7495 | 31.37 | . | Q | . | . | . | V | . |
| 18.517 | 67.7925 | 31.24 | . | Q | . | . | . | V | . |
| 18.533 | 67.8353 | 31.10 | . | Q | . | . | . | V | . |
| 18.550 | 67.8780 | 30.97 | . | Q | . | . | . | V | . |
| 18.567 | 67.9204 | 30.84 | . | Q | . | . | . | V | . |
| 18.583 | 67.9627 | 30.70 | . | Q | . | . | . | V | . |
| 18.600 | 68.0048 | 30.57 | . | Q | . | . | . | V | . |
| 18.617 | 68.0468 | 30.44 | . | Q | . | . | . | V | . |
| 18.633 | 68.0885 | 30.30 | . | Q | . | . | . | V | . |
| 18.650 | 68.1301 | 30.17 | . | Q | . | . | . | V | . |
| 18.667 | 68.1714 | 30.04 | . | Q | . | . | . | V | . |
| 18.683 | 68.2126 | 29.90 | . | Q | . | . | . | V | . |
| 18.700 | 68.2536 | 29.77 | . | Q | . | . | . | V | . |
| 18.717 | 68.2945 | 29.64 | . | Q | . | . | . | V | . |
| 18.733 | 68.3351 | 29.50 | . | Q | . | . | . | V | . |
| 18.750 | 68.3756 | 29.37 | . | Q | . | . | . | V | . |
| 18.767 | 68.4158 | 29.24 | . | Q | . | . | . | V | . |
| 18.783 | 68.4559 | 29.11 | . | Q | . | . | . | V | . |
| 18.800 | 68.4958 | 28.98 | . | Q | . | . | . | V | . |
| 18.817 | 68.5356 | 28.87 | . | Q | . | . | . | V | . |
| 18.833 | 68.5752 | 28.76 | . | Q | . | . | . | V | . |
| 18.850 | 68.6147 | 28.65 | . | Q | . | . | . | V | . |
| 18.867 | 68.6540 | 28.54 | . | Q | . | . | . | V | . |
| 18.883 | 68.6931 | 28.43 | . | Q | . | . | . | V | . |
| 18.900 | 68.7321 | 28.32 | . | Q | . | . | . | V | . |
| 18.917 | 68.7710 | 28.21 | . | Q | . | . | . | V | . |
| 18.933 | 68.8097 | 28.10 | . | Q | . | . | . | V | . |
| 18.950 | 68.8483 | 27.99 | . | Q | . | . | . | V | . |
| 18.967 | 68.8867 | 27.88 | . | Q | . | . | . | V | . |
| 18.983 | 68.9249 | 27.78 | . | Q | . | . | . | V | . |
| 19.000 | 68.9630 | 27.67 | . | Q | . | . | . | V | . |
| 19.017 | 69.0010 | 27.56 | . | Q | . | . | . | V | . |
| 19.033 | 69.0388 | 27.45 | . | Q | . | . | . | V | . |
| 19.050 | 69.0765 | 27.34 | . | Q | . | . | . | V | . |
| 19.067 | 69.1140 | 27.23 | . | Q | . | . | . | V | . |
| 19.083 | 69.1513 | 27.12 | . | Q | . | . | . | V | . |
| 19.100 | 69.1885 | 27.01 | . | Q | . | . | . | V | . |
| 19.117 | 69.2256 | 26.91 | . | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 69.2626 | 26.82 | .Q | . | . | . | V | . |
| 19.150 | 69.2994 | 26.73 | .Q | . | . | . | V | . |
| 19.167 | 69.3361 | 26.64 | .Q | . | . | . | V | . |
| 19.183 | 69.3726 | 26.55 | .Q | . | . | . | V | . |
| 19.200 | 69.4091 | 26.46 | .Q | . | . | . | V | . |
| 19.217 | 69.4454 | 26.37 | .Q | . | . | . | V | . |
| 19.233 | 69.4816 | 26.27 | .Q | . | . | . | V | . |
| 19.250 | 69.5177 | 26.18 | .Q | . | . | . | V | . |
| 19.267 | 69.5536 | 26.09 | .Q | . | . | . | V | . |
| 19.283 | 69.5894 | 26.00 | .Q | . | . | . | V | . |
| 19.300 | 69.6251 | 25.91 | .Q | . | . | . | V | . |
| 19.317 | 69.6607 | 25.82 | .Q | . | . | . | V | . |
| 19.333 | 69.6961 | 25.73 | .Q | . | . | . | V | . |
| 19.350 | 69.7314 | 25.64 | .Q | . | . | . | V | . |
| 19.367 | 69.7666 | 25.54 | .Q | . | . | . | V | . |
| 19.383 | 69.8017 | 25.45 | .Q | . | . | . | V | . |
| 19.400 | 69.8366 | 25.36 | .Q | . | . | . | V | . |
| 19.417 | 69.8714 | 25.27 | .Q | . | . | . | V | . |
| 19.433 | 69.9061 | 25.19 | .Q | . | . | . | V | . |
| 19.450 | 69.9407 | 25.11 | .Q | . | . | . | V | . |
| 19.467 | 69.9752 | 25.04 | .Q | . | . | . | V | . |
| 19.483 | 70.0096 | 24.96 | .Q | . | . | . | V | . |
| 19.500 | 70.0438 | 24.88 | .Q | . | . | . | V | . |
| 19.517 | 70.0780 | 24.80 | .Q | . | . | . | V | . |
| 19.533 | 70.1120 | 24.73 | .Q | . | . | . | V | . |
| 19.550 | 70.1460 | 24.65 | .Q | . | . | . | V | . |
| 19.567 | 70.1798 | 24.57 | .Q | . | . | . | V | . |
| 19.583 | 70.2136 | 24.49 | .Q | . | . | . | V | . |
| 19.600 | 70.2472 | 24.42 | .Q | . | . | . | V | . |
| 19.617 | 70.2807 | 24.34 | .Q | . | . | . | V | . |
| 19.633 | 70.3141 | 24.26 | .Q | . | . | . | V | . |
| 19.650 | 70.3475 | 24.18 | .Q | . | . | . | V | . |
| 19.667 | 70.3807 | 24.10 | .Q | . | . | . | V | . |
| 19.683 | 70.4138 | 24.03 | .Q | . | . | . | V | . |
| 19.700 | 70.4467 | 23.95 | .Q | . | . | . | V | . |
| 19.717 | 70.4796 | 23.87 | .Q | . | . | . | V | . |
| 19.733 | 70.5124 | 23.80 | .Q | . | . | . | V | . |
| 19.750 | 70.5451 | 23.73 | .Q | . | . | . | V | . |
| 19.767 | 70.5777 | 23.66 | .Q | . | . | . | V | . |
| 19.783 | 70.6102 | 23.60 | .Q | . | . | . | V | . |
| 19.800 | 70.6426 | 23.53 | .Q | . | . | . | V | . |
| 19.817 | 70.6749 | 23.46 | .Q | . | . | . | V | . |
| 19.833 | 70.7071 | 23.39 | .Q | . | . | . | V | . |
| 19.850 | 70.7393 | 23.33 | .Q | . | . | . | V | . |
| 19.867 | 70.7713 | 23.26 | .Q | . | . | . | V | . |
| 19.883 | 70.8032 | 23.19 | .Q | . | . | . | V | . |
| 19.900 | 70.8351 | 23.13 | .Q | . | . | . | V | . |
| 19.917 | 70.8669 | 23.06 | .Q | . | . | . | V | . |
| 19.933 | 70.8985 | 22.99 | .Q | . | . | . | V | . |
| 19.950 | 70.9301 | 22.92 | .Q | . | . | . | V | . |
| 19.967 | 70.9616 | 22.86 | .Q | . | . | . | V | . |
| 19.983 | 70.9930 | 22.79 | .Q | . | . | . | V | . |
| 20.000 | 71.0243 | 22.72 | .Q | . | . | . | V | . |
| 20.017 | 71.0555 | 22.66 | .Q | . | . | . | V | . |
| 20.033 | 71.0866 | 22.59 | .Q | . | . | . | V | . |
| 20.050 | 71.1176 | 22.53 | .Q | . | . | . | V | . |
| 20.067 | 71.1486 | 22.47 | .Q | . | . | . | V | . |
| 20.083 | 71.1795 | 22.41 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 20.100 | 71.2102 | 22.35 | .Q | . | . | . | V | . |
| 20.117 | 71.2409 | 22.29 | .Q | . | . | . | V | . |
| 20.133 | 71.2716 | 22.23 | .Q | . | . | . | V | . |
| 20.150 | 71.3021 | 22.18 | .Q | . | . | . | V | . |
| 20.167 | 71.3326 | 22.12 | .Q | . | . | . | V | . |
| 20.183 | 71.3630 | 22.06 | .Q | . | . | . | V | . |
| 20.200 | 71.3933 | 22.00 | .Q | . | . | . | V | . |
| 20.217 | 71.4235 | 21.94 | .Q | . | . | . | V | . |
| 20.233 | 71.4536 | 21.88 | .Q | . | . | . | V | . |
| 20.250 | 71.4837 | 21.82 | .Q | . | . | . | V | . |
| 20.267 | 71.5137 | 21.76 | .Q | . | . | . | V | . |
| 20.283 | 71.5436 | 21.71 | .Q | . | . | . | V | . |
| 20.300 | 71.5734 | 21.65 | .Q | . | . | . | V | . |
| 20.317 | 71.6031 | 21.59 | .Q | . | . | . | V | . |
| 20.333 | 71.6328 | 21.53 | .Q | . | . | . | V | . |
| 20.350 | 71.6624 | 21.47 | .Q | . | . | . | V | . |
| 20.367 | 71.6919 | 21.42 | .Q | . | . | . | V | . |
| 20.383 | 71.7213 | 21.37 | .Q | . | . | . | V | . |
| 20.400 | 71.7506 | 21.32 | .Q | . | . | . | V | . |
| 20.417 | 71.7799 | 21.26 | .Q | . | . | . | V | . |
| 20.433 | 71.8092 | 21.21 | .Q | . | . | . | V | . |
| 20.450 | 71.8383 | 21.16 | .Q | . | . | . | V | . |
| 20.467 | 71.8674 | 21.11 | .Q | . | . | . | V | . |
| 20.483 | 71.8964 | 21.06 | .Q | . | . | . | V | . |
| 20.500 | 71.9253 | 21.01 | .Q | . | . | . | V | . |
| 20.517 | 71.9542 | 20.95 | .Q | . | . | . | V | . |
| 20.533 | 71.9830 | 20.90 | .Q | . | . | . | V | . |
| 20.550 | 72.0117 | 20.85 | .Q | . | . | . | V | . |
| 20.567 | 72.0403 | 20.80 | .Q | . | . | . | V | . |
| 20.583 | 72.0689 | 20.75 | .Q | . | . | . | V | . |
| 20.600 | 72.0974 | 20.69 | .Q | . | . | . | V | . |
| 20.617 | 72.1258 | 20.64 | .Q | . | . | . | V | . |
| 20.633 | 72.1542 | 20.59 | .Q | . | . | . | V | . |
| 20.650 | 72.1825 | 20.54 | .Q | . | . | . | V | . |
| 20.667 | 72.2107 | 20.49 | .Q | . | . | . | V | . |
| 20.683 | 72.2389 | 20.44 | .Q | . | . | . | V | . |
| 20.700 | 72.2670 | 20.40 | .Q | . | . | . | V | . |
| 20.717 | 72.2950 | 20.35 | .Q | . | . | . | V | . |
| 20.733 | 72.3230 | 20.30 | .Q | . | . | . | V | . |
| 20.750 | 72.3509 | 20.26 | .Q | . | . | . | V | . |
| 20.767 | 72.3787 | 20.21 | .Q | . | . | . | V | . |
| 20.783 | 72.4065 | 20.17 | .Q | . | . | . | V | . |
| 20.800 | 72.4342 | 20.12 | .Q | . | . | . | V | . |
| 20.817 | 72.4618 | 20.07 | .Q | . | . | . | V | . |
| 20.833 | 72.4894 | 20.03 | .Q | . | . | . | V | . |
| 20.850 | 72.5170 | 19.98 | .Q | . | . | . | V | . |
| 20.867 | 72.5444 | 19.93 | .Q | . | . | . | V | . |
| 20.883 | 72.5718 | 19.89 | .Q | . | . | . | V | . |
| 20.900 | 72.5991 | 19.84 | .Q | . | . | . | V | . |
| 20.917 | 72.6264 | 19.80 | .Q | . | . | . | V | . |
| 20.933 | 72.6536 | 19.75 | .Q | . | . | . | V | . |
| 20.950 | 72.6807 | 19.70 | .Q | . | . | . | V | . |
| 20.967 | 72.7078 | 19.66 | .Q | . | . | . | V | . |
| 20.983 | 72.7348 | 19.62 | .Q | . | . | . | V | . |
| 21.000 | 72.7618 | 19.57 | .Q | . | . | . | V | . |
| 21.017 | 72.7887 | 19.53 | .Q | . | . | . | V | . |
| 21.033 | 72.8156 | 19.49 | .Q | . | . | . | V | . |
| 21.050 | 72.8423 | 19.45 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 21.067 | 72.8691 | 19.41 | .Q | . | . | . | V | . |
| 21.083 | 72.8957 | 19.37 | .Q | . | . | . | V | . |
| 21.100 | 72.9224 | 19.32 | .Q | . | . | . | V | . |
| 21.117 | 72.9489 | 19.28 | .Q | . | . | . | V | . |
| 21.133 | 72.9754 | 19.24 | .Q | . | . | . | V | . |
| 21.150 | 73.0019 | 19.20 | .Q | . | . | . | V | . |
| 21.167 | 73.0283 | 19.16 | .Q | . | . | . | V | . |
| 21.183 | 73.0546 | 19.12 | .Q | . | . | . | V | . |
| 21.200 | 73.0809 | 19.08 | .Q | . | . | . | V | . |
| 21.217 | 73.1071 | 19.03 | .Q | . | . | . | V | . |
| 21.233 | 73.1332 | 18.99 | .Q | . | . | . | V | . |
| 21.250 | 73.1593 | 18.95 | .Q | . | . | . | V | . |
| 21.267 | 73.1854 | 18.91 | .Q | . | . | . | V | . |
| 21.283 | 73.2114 | 18.87 | .Q | . | . | . | V | . |
| 21.300 | 73.2373 | 18.83 | .Q | . | . | . | V | . |
| 21.317 | 73.2632 | 18.79 | .Q | . | . | . | V | . |
| 21.333 | 73.2890 | 18.76 | .Q | . | . | . | V | . |
| 21.350 | 73.3148 | 18.72 | .Q | . | . | . | V | . |
| 21.367 | 73.3406 | 18.68 | .Q | . | . | . | V | . |
| 21.383 | 73.3662 | 18.64 | .Q | . | . | . | V | . |
| 21.400 | 73.3919 | 18.61 | .Q | . | . | . | V | . |
| 21.417 | 73.4174 | 18.57 | .Q | . | . | . | V | . |
| 21.433 | 73.4430 | 18.53 | .Q | . | . | . | V | . |
| 21.450 | 73.4684 | 18.49 | .Q | . | . | . | V | . |
| 21.467 | 73.4939 | 18.46 | .Q | . | . | . | V | . |
| 21.483 | 73.5192 | 18.42 | .Q | . | . | . | V | . |
| 21.500 | 73.5446 | 18.38 | .Q | . | . | . | V | . |
| 21.517 | 73.5698 | 18.34 | .Q | . | . | . | V | . |
| 21.533 | 73.5950 | 18.31 | .Q | . | . | . | V | . |
| 21.550 | 73.6202 | 18.27 | .Q | . | . | . | V | . |
| 21.567 | 73.6453 | 18.23 | .Q | . | . | . | V | . |
| 21.583 | 73.6704 | 18.19 | .Q | . | . | . | V | . |
| 21.600 | 73.6954 | 18.16 | .Q | . | . | . | V | . |
| 21.617 | 73.7203 | 18.12 | .Q | . | . | . | V | . |
| 21.633 | 73.7453 | 18.09 | .Q | . | . | . | V | . |
| 21.650 | 73.7701 | 18.06 | .Q | . | . | . | V | . |
| 21.667 | 73.7950 | 18.02 | .Q | . | . | . | V | . |
| 21.683 | 73.8197 | 17.99 | .Q | . | . | . | V | . |
| 21.700 | 73.8445 | 17.95 | .Q | . | . | . | V | . |
| 21.717 | 73.8691 | 17.92 | .Q | . | . | . | V | . |
| 21.733 | 73.8938 | 17.89 | .Q | . | . | . | V | . |
| 21.750 | 73.9184 | 17.85 | .Q | . | . | . | V | . |
| 21.767 | 73.9429 | 17.82 | .Q | . | . | . | V | . |
| 21.783 | 73.9674 | 17.78 | .Q | . | . | . | V | . |
| 21.800 | 73.9919 | 17.75 | .Q | . | . | . | V | . |
| 21.817 | 74.0163 | 17.71 | .Q | . | . | . | V | . |
| 21.833 | 74.0406 | 17.68 | .Q | . | . | . | V | . |
| 21.850 | 74.0649 | 17.65 | .Q | . | . | . | V | . |
| 21.867 | 74.0892 | 17.61 | .Q | . | . | . | V | . |
| 21.883 | 74.1134 | 17.58 | .Q | . | . | . | V | . |
| 21.900 | 74.1376 | 17.54 | .Q | . | . | . | V | . |
| 21.917 | 74.1617 | 17.51 | .Q | . | . | . | V | . |
| 21.933 | 74.1858 | 17.48 | .Q | . | . | . | V | . |
| 21.950 | 74.2098 | 17.45 | .Q | . | . | . | V | . |
| 21.967 | 74.2338 | 17.42 | .Q | . | . | . | V | . |
| 21.983 | 74.2578 | 17.39 | .Q | . | . | . | V | . |
| 22.000 | 74.2817 | 17.36 | .Q | . | . | . | V | . |
| 22.017 | 74.3055 | 17.33 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 22.033 | 74.3293 | 17.29 | .Q | . | . | . | V | . |
| 22.050 | 74.3531 | 17.26 | .Q | . | . | . | V | . |
| 22.067 | 74.3769 | 17.23 | .Q | . | . | . | V | . |
| 22.083 | 74.4006 | 17.20 | .Q | . | . | . | V | . |
| 22.100 | 74.4242 | 17.17 | .Q | . | . | . | V | . |
| 22.117 | 74.4478 | 17.14 | .Q | . | . | . | V | . |
| 22.133 | 74.4714 | 17.11 | .Q | . | . | . | V | . |
| 22.150 | 74.4949 | 17.08 | .Q | . | . | . | V | . |
| 22.167 | 74.5184 | 17.04 | .Q | . | . | . | V | . |
| 22.183 | 74.5418 | 17.01 | .Q | . | . | . | V | . |
| 22.200 | 74.5652 | 16.98 | .Q | . | . | . | V | . |
| 22.217 | 74.5886 | 16.95 | .Q | . | . | . | V | . |
| 22.233 | 74.6119 | 16.92 | .Q | . | . | . | V | . |
| 22.250 | 74.6351 | 16.90 | .Q | . | . | . | V | . |
| 22.267 | 74.6584 | 16.87 | .Q | . | . | . | V | . |
| 22.283 | 74.6816 | 16.84 | .Q | . | . | . | V | . |
| 22.300 | 74.7047 | 16.81 | .Q | . | . | . | V | . |
| 22.317 | 74.7278 | 16.78 | .Q | . | . | . | V | . |
| 22.333 | 74.7509 | 16.75 | .Q | . | . | . | V | . |
| 22.350 | 74.7739 | 16.72 | .Q | . | . | . | V | . |
| 22.367 | 74.7969 | 16.69 | .Q | . | . | . | V | . |
| 22.383 | 74.8199 | 16.67 | .Q | . | . | . | V | . |
| 22.400 | 74.8428 | 16.64 | .Q | . | . | . | V | . |
| 22.417 | 74.8657 | 16.61 | .Q | . | . | . | V | . |
| 22.433 | 74.8885 | 16.58 | .Q | . | . | . | V | . |
| 22.450 | 74.9113 | 16.55 | .Q | . | . | . | V | . |
| 22.467 | 74.9341 | 16.52 | .Q | . | . | . | V | . |
| 22.483 | 74.9568 | 16.49 | .Q | . | . | . | V | . |
| 22.500 | 74.9795 | 16.47 | .Q | . | . | . | V | . |
| 22.517 | 75.0021 | 16.44 | .Q | . | . | . | V | . |
| 22.533 | 75.0247 | 16.41 | .Q | . | . | . | V | . |
| 22.550 | 75.0473 | 16.38 | .Q | . | . | . | V | . |
| 22.567 | 75.0698 | 16.36 | .Q | . | . | . | V | . |
| 22.583 | 75.0923 | 16.33 | .Q | . | . | . | V | . |
| 22.600 | 75.1148 | 16.30 | .Q | . | . | . | V | . |
| 22.617 | 75.1372 | 16.28 | .Q | . | . | . | V | . |
| 22.633 | 75.1596 | 16.25 | .Q | . | . | . | V | . |
| 22.650 | 75.1819 | 16.23 | .Q | . | . | . | V | . |
| 22.667 | 75.2042 | 16.20 | .Q | . | . | . | V | . |
| 22.683 | 75.2265 | 16.17 | .Q | . | . | . | V | . |
| 22.700 | 75.2488 | 16.15 | .Q | . | . | . | V | . |
| 22.717 | 75.2710 | 16.12 | .Q | . | . | . | V | . |
| 22.733 | 75.2931 | 16.09 | .Q | . | . | . | V | . |
| 22.750 | 75.3153 | 16.07 | .Q | . | . | . | V | . |
| 22.767 | 75.3373 | 16.04 | .Q | . | . | . | V | . |
| 22.783 | 75.3594 | 16.01 | .Q | . | . | . | V | . |
| 22.800 | 75.3814 | 15.99 | .Q | . | . | . | V | . |
| 22.817 | 75.4034 | 15.96 | .Q | . | . | . | V | . |
| 22.833 | 75.4254 | 15.94 | .Q | . | . | . | V | . |
| 22.850 | 75.4473 | 15.91 | .Q | . | . | . | V | . |
| 22.867 | 75.4692 | 15.89 | .Q | . | . | . | V | . |
| 22.883 | 75.4910 | 15.86 | .Q | . | . | . | V | . |
| 22.900 | 75.5128 | 15.84 | .Q | . | . | . | V | . |
| 22.917 | 75.5346 | 15.81 | .Q | . | . | . | V | . |
| 22.933 | 75.5564 | 15.79 | .Q | . | . | . | V | . |
| 22.950 | 75.5781 | 15.76 | .Q | . | . | . | V | . |
| 22.967 | 75.5997 | 15.74 | .Q | . | . | . | V | . |
| 22.983 | 75.6214 | 15.71 | .Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|----|
| 23.000 | 75.6430 | 15.69 | .Q | . | . | . | V. |
| 23.017 | 75.6646 | 15.67 | .Q | . | . | . | V. |
| 23.033 | 75.6861 | 15.64 | .Q | . | . | . | V. |
| 23.050 | 75.7076 | 15.62 | .Q | . | . | . | V. |
| 23.067 | 75.7291 | 15.59 | .Q | . | . | . | V. |
| 23.083 | 75.7506 | 15.57 | .Q | . | . | . | V. |
| 23.100 | 75.7720 | 15.54 | .Q | . | . | . | V. |
| 23.117 | 75.7933 | 15.52 | .Q | . | . | . | V. |
| 23.133 | 75.8147 | 15.49 | .Q | . | . | . | V. |
| 23.150 | 75.8360 | 15.47 | .Q | . | . | . | V. |
| 23.167 | 75.8573 | 15.45 | .Q | . | . | . | V. |
| 23.183 | 75.8785 | 15.43 | .Q | . | . | . | V. |
| 23.200 | 75.8997 | 15.40 | .Q | . | . | . | V. |
| 23.217 | 75.9209 | 15.38 | .Q | . | . | . | V. |
| 23.233 | 75.9421 | 15.36 | .Q | . | . | . | V. |
| 23.250 | 75.9632 | 15.33 | .Q | . | . | . | V. |
| 23.267 | 75.9843 | 15.31 | .Q | . | . | . | V. |
| 23.283 | 76.0053 | 15.29 | .Q | . | . | . | V. |
| 23.300 | 76.0264 | 15.27 | .Q | . | . | . | V. |
| 23.317 | 76.0474 | 15.24 | .Q | . | . | . | V. |
| 23.333 | 76.0683 | 15.22 | .Q | . | . | . | V. |
| 23.350 | 76.0893 | 15.20 | .Q | . | . | . | V. |
| 23.367 | 76.1102 | 15.18 | .Q | . | . | . | V. |
| 23.383 | 76.1311 | 15.15 | .Q | . | . | . | V. |
| 23.400 | 76.1519 | 15.13 | .Q | . | . | . | V. |
| 23.417 | 76.1727 | 15.11 | .Q | . | . | . | V. |
| 23.433 | 76.1935 | 15.08 | .Q | . | . | . | V. |
| 23.450 | 76.2142 | 15.06 | .Q | . | . | . | V. |
| 23.467 | 76.2349 | 15.04 | .Q | . | . | . | V. |
| 23.483 | 76.2556 | 15.02 | .Q | . | . | . | V. |
| 23.500 | 76.2763 | 15.00 | .Q | . | . | . | V. |
| 23.517 | 76.2969 | 14.98 | .Q | . | . | . | V. |
| 23.533 | 76.3175 | 14.96 | .Q | . | . | . | V. |
| 23.550 | 76.3381 | 14.93 | .Q | . | . | . | V. |
| 23.567 | 76.3586 | 14.91 | .Q | . | . | . | V. |
| 23.583 | 76.3791 | 14.89 | .Q | . | . | . | V. |
| 23.600 | 76.3996 | 14.87 | .Q | . | . | . | V. |
| 23.617 | 76.4201 | 14.85 | .Q | . | . | . | V. |
| 23.633 | 76.4405 | 14.83 | .Q | . | . | . | V. |
| 23.650 | 76.4609 | 14.81 | .Q | . | . | . | V. |
| 23.667 | 76.4813 | 14.79 | .Q | . | . | . | V. |
| 23.683 | 76.5016 | 14.76 | .Q | . | . | . | V. |
| 23.700 | 76.5219 | 14.74 | .Q | . | . | . | V. |
| 23.717 | 76.5422 | 14.72 | .Q | . | . | . | V. |
| 23.733 | 76.5624 | 14.70 | .Q | . | . | . | V. |
| 23.750 | 76.5827 | 14.68 | .Q | . | . | . | V. |
| 23.767 | 76.6029 | 14.66 | .Q | . | . | . | V. |
| 23.783 | 76.6230 | 14.64 | .Q | . | . | . | V. |
| 23.800 | 76.6432 | 14.62 | .Q | . | . | . | V. |
| 23.817 | 76.6633 | 14.60 | .Q | . | . | . | V. |
| 23.833 | 76.6833 | 14.58 | .Q | . | . | . | V. |
| 23.850 | 76.7034 | 14.56 | .Q | . | . | . | V. |
| 23.867 | 76.7234 | 14.54 | .Q | . | . | . | V. |
| 23.883 | 76.7434 | 14.52 | .Q | . | . | . | V. |
| 23.900 | 76.7634 | 14.50 | .Q | . | . | . | V. |
| 23.917 | 76.7833 | 14.48 | .Q | . | . | . | V. |
| 23.933 | 76.8033 | 14.46 | .Q | . | . | . | V. |
| 23.950 | 76.8232 | 14.44 | .Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|----|
| 23.967 | 76.8430 | 14.42 | .Q | . | . | . | V. |
| 23.983 | 76.8629 | 14.40 | .Q | . | . | . | V. |
| 24.000 | 76.8827 | 14.38 | .Q | . | . | . | V. |
| 24.017 | 76.9025 | 14.36 | .Q | . | . | . | V. |
| 24.033 | 76.9222 | 14.34 | .Q | . | . | . | V. |
| 24.050 | 76.9419 | 14.32 | .Q | . | . | . | V. |
| 24.067 | 76.9616 | 14.24 | .Q | . | . | . | V. |
| 24.083 | 76.9803 | 13.61 | .Q | . | . | . | V. |
| 24.100 | 76.9980 | 12.84 | Q | . | . | . | V. |
| 24.117 | 77.0146 | 12.07 | Q | . | . | . | V. |
| 24.133 | 77.0302 | 11.30 | Q | . | . | . | V. |
| 24.150 | 77.0447 | 10.53 | Q | . | . | . | V. |
| 24.167 | 77.0581 | 9.76 | Q | . | . | . | V. |
| 24.183 | 77.0705 | 9.00 | Q | . | . | . | V. |
| 24.200 | 77.0819 | 8.23 | Q | . | . | . | V. |
| 24.217 | 77.0921 | 7.46 | Q | . | . | . | V. |
| 24.233 | 77.1013 | 6.69 | Q | . | . | . | V. |
| 24.250 | 77.1095 | 5.92 | Q | . | . | . | V. |
| 24.267 | 77.1166 | 5.15 | Q | . | . | . | V. |
| 24.283 | 77.1226 | 4.38 | Q | . | . | . | V. |
| 24.300 | 77.1276 | 3.61 | Q | . | . | . | V. |
| 24.317 | 77.1315 | 2.84 | Q | . | . | . | V. |
| 24.333 | 77.1344 | 2.08 | Q | . | . | . | V. |
| 24.350 | 77.1362 | 1.31 | Q | . | . | . | V. |
| 24.367 | 77.1369 | 0.54 | 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% | 1462.0 |
| 10% | 1165.0 |
| 20% | 305.0 |
| 30% | 180.0 |
| 40% | 145.0 |
| 50% | 125.0 |
| 60% | 100.0 |
| 70% | 75.0 |
| 80% | 50.0 |
| 90% | 25.0 |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1237

Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED B *
* SMALL AREA HYDROGRAPH - SINGLE AREA MODEL *
* 2-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3B02EVS.DAT
TIME/DATE OF STUDY: 15:44 07/14/2022

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 210.00 TO NODE 231.00 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) = 213.70
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.256
LOW LOSS FRACTION = 0.496
TIME OF CONCENTRATION (MIN.) = 21.51
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 2
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.13
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.28
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.37
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.62
6-HOUR POINT RAINFALL VALUE (INCHES) = 0.85
24-HOUR POINT RAINFALL VALUE (INCHES) = 1.44

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 12.00

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 13.65

=====
 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. | 20.3 | 40.5 | 60.8 | 81.0 |
|------------|-------------|---------|----|------|------|------|------|
| 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 | 0.01 | Q | . | . | . | . |
| 0.250 | 0.0001 | 0.10 | Q | . | . | . | . |
| 0.267 | 0.0004 | 0.20 | Q | . | . | . | . |
| 0.283 | 0.0008 | 0.31 | Q | . | . | . | . |
| 0.300 | 0.0014 | 0.41 | Q | . | . | . | . |
| 0.317 | 0.0021 | 0.51 | Q | . | . | . | . |
| 0.333 | 0.0030 | 0.62 | Q | . | . | . | . |
| 0.350 | 0.0040 | 0.72 | Q | . | . | . | . |
| 0.367 | 0.0051 | 0.83 | Q | . | . | . | . |
| 0.383 | 0.0064 | 0.93 | Q | . | . | . | . |
| 0.400 | 0.0078 | 1.04 | Q | . | . | . | . |
| 0.417 | 0.0094 | 1.14 | Q | . | . | . | . |
| 0.433 | 0.0111 | 1.24 | Q | . | . | . | . |
| 0.450 | 0.0130 | 1.35 | Q | . | . | . | . |
| 0.467 | 0.0150 | 1.45 | Q | . | . | . | . |
| 0.483 | 0.0171 | 1.56 | Q | . | . | . | . |
| 0.500 | 0.0194 | 1.66 | Q | . | . | . | . |
| 0.517 | 0.0218 | 1.77 | Q | . | . | . | . |
| 0.533 | 0.0244 | 1.87 | Q | . | . | . | . |
| 0.550 | 0.0271 | 1.97 | Q | . | . | . | . |
| 0.567 | 0.0300 | 2.08 | VQ | . | . | . | . |
| 0.583 | 0.0330 | 2.18 | VQ | . | . | . | . |
| 0.600 | 0.0361 | 2.24 | VQ | . | . | . | . |
| 0.617 | 0.0392 | 2.24 | VQ | . | . | . | . |
| 0.633 | 0.0423 | 2.24 | VQ | . | . | . | . |
| 0.650 | 0.0454 | 2.25 | VQ | . | . | . | . |
| 0.667 | 0.0484 | 2.25 | VQ | . | . | . | . |
| 0.683 | 0.0515 | 2.25 | VQ | . | . | . | . |
| 0.700 | 0.0546 | 2.25 | VQ | . | . | . | . |
| 0.717 | 0.0577 | 2.25 | VQ | . | . | . | . |
| 0.733 | 0.0608 | 2.25 | VQ | . | . | . | . |
| 0.750 | 0.0639 | 2.25 | VQ | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 0.767 | 0.0670 | 2.25 | VQ | . | . | . | . |
| 0.783 | 0.0701 | 2.25 | VQ | . | . | . | . |
| 0.800 | 0.0733 | 2.25 | VQ | . | . | . | . |
| 0.817 | 0.0764 | 2.26 | VQ | . | . | . | . |
| 0.833 | 0.0795 | 2.26 | VQ | . | . | . | . |
| 0.850 | 0.0826 | 2.26 | VQ | . | . | . | . |
| 0.867 | 0.0857 | 2.26 | VQ | . | . | . | . |
| 0.883 | 0.0888 | 2.26 | VQ | . | . | . | . |
| 0.900 | 0.0919 | 2.26 | VQ | . | . | . | . |
| 0.917 | 0.0950 | 2.26 | VQ | . | . | . | . |
| 0.933 | 0.0981 | 2.26 | VQ | . | . | . | . |
| 0.950 | 0.1013 | 2.26 | VQ | . | . | . | . |
| 0.967 | 0.1044 | 2.27 | VQ | . | . | . | . |
| 0.983 | 0.1075 | 2.27 | VQ | . | . | . | . |
| 1.000 | 0.1106 | 2.27 | VQ | . | . | . | . |
| 1.017 | 0.1138 | 2.27 | VQ | . | . | . | . |
| 1.033 | 0.1169 | 2.27 | VQ | . | . | . | . |
| 1.050 | 0.1200 | 2.28 | VQ | . | . | . | . |
| 1.067 | 0.1232 | 2.28 | VQ | . | . | . | . |
| 1.083 | 0.1263 | 2.28 | VQ | . | . | . | . |
| 1.100 | 0.1294 | 2.28 | VQ | . | . | . | . |
| 1.117 | 0.1326 | 2.28 | VQ | . | . | . | . |
| 1.133 | 0.1357 | 2.29 | VQ | . | . | . | . |
| 1.150 | 0.1389 | 2.29 | VQ | . | . | . | . |
| 1.167 | 0.1420 | 2.29 | VQ | . | . | . | . |
| 1.183 | 0.1452 | 2.29 | VQ | . | . | . | . |
| 1.200 | 0.1484 | 2.29 | VQ | . | . | . | . |
| 1.217 | 0.1515 | 2.30 | VQ | . | . | . | . |
| 1.233 | 0.1547 | 2.30 | VQ | . | . | . | . |
| 1.250 | 0.1579 | 2.30 | VQ | . | . | . | . |
| 1.267 | 0.1610 | 2.30 | VQ | . | . | . | . |
| 1.283 | 0.1642 | 2.30 | VQ | . | . | . | . |
| 1.300 | 0.1674 | 2.31 | VQ | . | . | . | . |
| 1.317 | 0.1706 | 2.31 | VQ | . | . | . | . |
| 1.333 | 0.1737 | 2.31 | VQ | . | . | . | . |
| 1.350 | 0.1769 | 2.31 | VQ | . | . | . | . |
| 1.367 | 0.1801 | 2.31 | VQ | . | . | . | . |
| 1.383 | 0.1833 | 2.31 | VQ | . | . | . | . |
| 1.400 | 0.1865 | 2.31 | VQ | . | . | . | . |
| 1.417 | 0.1897 | 2.31 | VQ | . | . | . | . |
| 1.433 | 0.1929 | 2.32 | VQ | . | . | . | . |
| 1.450 | 0.1960 | 2.32 | VQ | . | . | . | . |
| 1.467 | 0.1992 | 2.32 | VQ | . | . | . | . |
| 1.483 | 0.2024 | 2.32 | VQ | . | . | . | . |
| 1.500 | 0.2056 | 2.32 | VQ | . | . | . | . |
| 1.517 | 0.2088 | 2.32 | VQ | . | . | . | . |
| 1.533 | 0.2120 | 2.32 | VQ | . | . | . | . |
| 1.550 | 0.2152 | 2.32 | VQ | . | . | . | . |
| 1.567 | 0.2184 | 2.32 | VQ | . | . | . | . |
| 1.583 | 0.2216 | 2.33 | VQ | . | . | . | . |
| 1.600 | 0.2248 | 2.33 | VQ | . | . | . | . |
| 1.617 | 0.2280 | 2.33 | VQ | . | . | . | . |
| 1.633 | 0.2313 | 2.33 | VQ | . | . | . | . |
| 1.650 | 0.2345 | 2.33 | VQ | . | . | . | . |
| 1.667 | 0.2377 | 2.33 | VQ | . | . | . | . |
| 1.683 | 0.2409 | 2.33 | VQ | . | . | . | . |
| 1.700 | 0.2441 | 2.34 | VQ | . | . | . | . |
| 1.717 | 0.2473 | 2.34 | VQ | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 0.2505 | 2.34 | VQ | . | . | . | . |
| 1.750 | 0.2538 | 2.34 | VQ | . | . | . | . |
| 1.767 | 0.2570 | 2.34 | VQ | . | . | . | . |
| 1.783 | 0.2602 | 2.35 | VQ | . | . | . | . |
| 1.800 | 0.2635 | 2.35 | VQ | . | . | . | . |
| 1.817 | 0.2667 | 2.35 | VQ | . | . | . | . |
| 1.833 | 0.2699 | 2.35 | VQ | . | . | . | . |
| 1.850 | 0.2732 | 2.36 | VQ | . | . | . | . |
| 1.867 | 0.2764 | 2.36 | VQ | . | . | . | . |
| 1.883 | 0.2797 | 2.36 | VQ | . | . | . | . |
| 1.900 | 0.2829 | 2.36 | VQ | . | . | . | . |
| 1.917 | 0.2862 | 2.36 | VQ | . | . | . | . |
| 1.933 | 0.2895 | 2.37 | VQ | . | . | . | . |
| 1.950 | 0.2927 | 2.37 | VQ | . | . | . | . |
| 1.967 | 0.2960 | 2.37 | VQ | . | . | . | . |
| 1.983 | 0.2993 | 2.37 | VQ | . | . | . | . |
| 2.000 | 0.3025 | 2.38 | .Q | . | . | . | . |
| 2.017 | 0.3058 | 2.38 | .Q | . | . | . | . |
| 2.033 | 0.3091 | 2.38 | .Q | . | . | . | . |
| 2.050 | 0.3124 | 2.38 | .Q | . | . | . | . |
| 2.067 | 0.3156 | 2.38 | .Q | . | . | . | . |
| 2.083 | 0.3189 | 2.38 | .Q | . | . | . | . |
| 2.100 | 0.3222 | 2.38 | .Q | . | . | . | . |
| 2.117 | 0.3255 | 2.39 | .Q | . | . | . | . |
| 2.133 | 0.3288 | 2.39 | .Q | . | . | . | . |
| 2.150 | 0.3321 | 2.39 | .Q | . | . | . | . |
| 2.167 | 0.3354 | 2.39 | .Q | . | . | . | . |
| 2.183 | 0.3387 | 2.39 | .Q | . | . | . | . |
| 2.200 | 0.3420 | 2.39 | .Q | . | . | . | . |
| 2.217 | 0.3453 | 2.39 | .Q | . | . | . | . |
| 2.233 | 0.3485 | 2.39 | .Q | . | . | . | . |
| 2.250 | 0.3518 | 2.40 | .Q | . | . | . | . |
| 2.267 | 0.3551 | 2.40 | .Q | . | . | . | . |
| 2.283 | 0.3584 | 2.40 | .Q | . | . | . | . |
| 2.300 | 0.3618 | 2.40 | .Q | . | . | . | . |
| 2.317 | 0.3651 | 2.40 | .Q | . | . | . | . |
| 2.333 | 0.3684 | 2.40 | .Q | . | . | . | . |
| 2.350 | 0.3717 | 2.40 | .Q | . | . | . | . |
| 2.367 | 0.3750 | 2.40 | .Q | . | . | . | . |
| 2.383 | 0.3783 | 2.40 | .Q | . | . | . | . |
| 2.400 | 0.3816 | 2.41 | .Q | . | . | . | . |
| 2.417 | 0.3849 | 2.41 | .Q | . | . | . | . |
| 2.433 | 0.3883 | 2.41 | .Q | . | . | . | . |
| 2.450 | 0.3916 | 2.41 | .Q | . | . | . | . |
| 2.467 | 0.3949 | 2.42 | .Q | . | . | . | . |
| 2.483 | 0.3982 | 2.42 | .Q | . | . | . | . |
| 2.500 | 0.4016 | 2.42 | .Q | . | . | . | . |
| 2.517 | 0.4049 | 2.42 | .Q | . | . | . | . |
| 2.533 | 0.4083 | 2.43 | .Q | . | . | . | . |
| 2.550 | 0.4116 | 2.43 | .Q | . | . | . | . |
| 2.567 | 0.4149 | 2.43 | .Q | . | . | . | . |
| 2.583 | 0.4183 | 2.43 | .Q | . | . | . | . |
| 2.600 | 0.4217 | 2.44 | .Q | . | . | . | . |
| 2.617 | 0.4250 | 2.44 | .Q | . | . | . | . |
| 2.633 | 0.4284 | 2.44 | .Q | . | . | . | . |
| 2.650 | 0.4317 | 2.44 | .Q | . | . | . | . |
| 2.667 | 0.4351 | 2.45 | .Q | . | . | . | . |
| 2.683 | 0.4385 | 2.45 | .Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 2.700 | 0.4419 | 2.45 | .Q | . | . | . | . |
| 2.717 | 0.4452 | 2.45 | .Q | . | . | . | . |
| 2.733 | 0.4486 | 2.46 | .Q | . | . | . | . |
| 2.750 | 0.4520 | 2.46 | .Q | . | . | . | . |
| 2.767 | 0.4554 | 2.46 | .Q | . | . | . | . |
| 2.783 | 0.4588 | 2.46 | .Q | . | . | . | . |
| 2.800 | 0.4622 | 2.46 | .Q | . | . | . | . |
| 2.817 | 0.4656 | 2.46 | .Q | . | . | . | . |
| 2.833 | 0.4689 | 2.46 | .Q | . | . | . | . |
| 2.850 | 0.4723 | 2.46 | .Q | . | . | . | . |
| 2.867 | 0.4757 | 2.47 | .Q | . | . | . | . |
| 2.883 | 0.4791 | 2.47 | .Q | . | . | . | . |
| 2.900 | 0.4825 | 2.47 | .Q | . | . | . | . |
| 2.917 | 0.4859 | 2.47 | .Q | . | . | . | . |
| 2.933 | 0.4893 | 2.47 | .Q | . | . | . | . |
| 2.950 | 0.4928 | 2.47 | .Q | . | . | . | . |
| 2.967 | 0.4962 | 2.47 | .Q | . | . | . | . |
| 2.983 | 0.4996 | 2.48 | .Q | . | . | . | . |
| 3.000 | 0.5030 | 2.48 | .Q | . | . | . | . |
| 3.017 | 0.5064 | 2.48 | .Q | . | . | . | . |
| 3.033 | 0.5098 | 2.48 | .Q | . | . | . | . |
| 3.050 | 0.5132 | 2.48 | .Q | . | . | . | . |
| 3.067 | 0.5166 | 2.48 | .Q | . | . | . | . |
| 3.083 | 0.5201 | 2.48 | .Q | . | . | . | . |
| 3.100 | 0.5235 | 2.48 | .Q | . | . | . | . |
| 3.117 | 0.5269 | 2.49 | .Q | . | . | . | . |
| 3.133 | 0.5303 | 2.49 | .Q | . | . | . | . |
| 3.150 | 0.5338 | 2.49 | .Q | . | . | . | . |
| 3.167 | 0.5372 | 2.49 | .Q | . | . | . | . |
| 3.183 | 0.5406 | 2.50 | .Q | . | . | . | . |
| 3.200 | 0.5441 | 2.50 | .Q | . | . | . | . |
| 3.217 | 0.5475 | 2.50 | .Q | . | . | . | . |
| 3.233 | 0.5510 | 2.51 | .Q | . | . | . | . |
| 3.250 | 0.5544 | 2.51 | .Q | . | . | . | . |
| 3.267 | 0.5579 | 2.51 | .Q | . | . | . | . |
| 3.283 | 0.5614 | 2.51 | .Q | . | . | . | . |
| 3.300 | 0.5648 | 2.52 | .Q | . | . | . | . |
| 3.317 | 0.5683 | 2.52 | .Q | . | . | . | . |
| 3.333 | 0.5718 | 2.52 | .Q | . | . | . | . |
| 3.350 | 0.5752 | 2.52 | .Q | . | . | . | . |
| 3.367 | 0.5787 | 2.53 | .Q | . | . | . | . |
| 3.383 | 0.5822 | 2.53 | .Q | . | . | . | . |
| 3.400 | 0.5857 | 2.53 | .Q | . | . | . | . |
| 3.417 | 0.5892 | 2.53 | .Q | . | . | . | . |
| 3.433 | 0.5927 | 2.54 | .Q | . | . | . | . |
| 3.450 | 0.5962 | 2.54 | .Q | . | . | . | . |
| 3.467 | 0.5997 | 2.54 | .Q | . | . | . | . |
| 3.483 | 0.6032 | 2.54 | .QV | . | . | . | . |
| 3.500 | 0.6067 | 2.54 | .QV | . | . | . | . |
| 3.517 | 0.6102 | 2.55 | .QV | . | . | . | . |
| 3.533 | 0.6137 | 2.55 | .QV | . | . | . | . |
| 3.550 | 0.6172 | 2.55 | .QV | . | . | . | . |
| 3.567 | 0.6207 | 2.55 | .QV | . | . | . | . |
| 3.583 | 0.6242 | 2.55 | .QV | . | . | . | . |
| 3.600 | 0.6278 | 2.55 | .QV | . | . | . | . |
| 3.617 | 0.6313 | 2.55 | .QV | . | . | . | . |
| 3.633 | 0.6348 | 2.56 | .QV | . | . | . | . |
| 3.650 | 0.6383 | 2.56 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 3.667 | 0.6418 | 2.56 | .QV | . | . | . | . |
| 3.683 | 0.6454 | 2.56 | .QV | . | . | . | . |
| 3.700 | 0.6489 | 2.56 | .QV | . | . | . | . |
| 3.717 | 0.6524 | 2.56 | .QV | . | . | . | . |
| 3.733 | 0.6560 | 2.56 | .QV | . | . | . | . |
| 3.750 | 0.6595 | 2.57 | .QV | . | . | . | . |
| 3.767 | 0.6630 | 2.57 | .QV | . | . | . | . |
| 3.783 | 0.6666 | 2.57 | .QV | . | . | . | . |
| 3.800 | 0.6701 | 2.57 | .QV | . | . | . | . |
| 3.817 | 0.6736 | 2.57 | .QV | . | . | . | . |
| 3.833 | 0.6772 | 2.57 | .QV | . | . | . | . |
| 3.850 | 0.6807 | 2.58 | .QV | . | . | . | . |
| 3.867 | 0.6843 | 2.58 | .QV | . | . | . | . |
| 3.883 | 0.6878 | 2.58 | .QV | . | . | . | . |
| 3.900 | 0.6914 | 2.59 | .QV | . | . | . | . |
| 3.917 | 0.6950 | 2.59 | .QV | . | . | . | . |
| 3.933 | 0.6985 | 2.59 | .QV | . | . | . | . |
| 3.950 | 0.7021 | 2.59 | .QV | . | . | . | . |
| 3.967 | 0.7057 | 2.60 | .QV | . | . | . | . |
| 3.983 | 0.7093 | 2.60 | .QV | . | . | . | . |
| 4.000 | 0.7129 | 2.60 | .QV | . | . | . | . |
| 4.017 | 0.7164 | 2.61 | .QV | . | . | . | . |
| 4.033 | 0.7200 | 2.61 | .QV | . | . | . | . |
| 4.050 | 0.7236 | 2.61 | .QV | . | . | . | . |
| 4.067 | 0.7272 | 2.61 | .QV | . | . | . | . |
| 4.083 | 0.7308 | 2.62 | .QV | . | . | . | . |
| 4.100 | 0.7345 | 2.62 | .QV | . | . | . | . |
| 4.117 | 0.7381 | 2.62 | .QV | . | . | . | . |
| 4.133 | 0.7417 | 2.63 | .QV | . | . | . | . |
| 4.150 | 0.7453 | 2.63 | .QV | . | . | . | . |
| 4.167 | 0.7489 | 2.63 | .QV | . | . | . | . |
| 4.183 | 0.7526 | 2.63 | .QV | . | . | . | . |
| 4.200 | 0.7562 | 2.64 | .QV | . | . | . | . |
| 4.217 | 0.7598 | 2.64 | .QV | . | . | . | . |
| 4.233 | 0.7635 | 2.64 | .QV | . | . | . | . |
| 4.250 | 0.7671 | 2.64 | .QV | . | . | . | . |
| 4.267 | 0.7707 | 2.64 | .QV | . | . | . | . |
| 4.283 | 0.7744 | 2.64 | .QV | . | . | . | . |
| 4.300 | 0.7780 | 2.65 | .QV | . | . | . | . |
| 4.317 | 0.7817 | 2.65 | .QV | . | . | . | . |
| 4.333 | 0.7853 | 2.65 | .QV | . | . | . | . |
| 4.350 | 0.7890 | 2.65 | .QV | . | . | . | . |
| 4.367 | 0.7926 | 2.65 | .QV | . | . | . | . |
| 4.383 | 0.7963 | 2.65 | .QV | . | . | . | . |
| 4.400 | 0.7999 | 2.65 | .QV | . | . | . | . |
| 4.417 | 0.8036 | 2.66 | .QV | . | . | . | . |
| 4.433 | 0.8072 | 2.66 | .QV | . | . | . | . |
| 4.450 | 0.8109 | 2.66 | .QV | . | . | . | . |
| 4.467 | 0.8146 | 2.66 | .QV | . | . | . | . |
| 4.483 | 0.8182 | 2.66 | .QV | . | . | . | . |
| 4.500 | 0.8219 | 2.66 | .QV | . | . | . | . |
| 4.517 | 0.8256 | 2.66 | .QV | . | . | . | . |
| 4.533 | 0.8292 | 2.67 | .QV | . | . | . | . |
| 4.550 | 0.8329 | 2.67 | .QV | . | . | . | . |
| 4.567 | 0.8366 | 2.67 | .QV | . | . | . | . |
| 4.583 | 0.8403 | 2.68 | .QV | . | . | . | . |
| 4.600 | 0.8440 | 2.68 | .QV | . | . | . | . |
| 4.617 | 0.8477 | 2.68 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|------|---|---|---|---|
| 4.633 | 0.8514 | 2.69 | .QV | . | . | . | . |
| 4.650 | 0.8551 | 2.69 | .QV | . | . | . | . |
| 4.667 | 0.8588 | 2.69 | .QV | . | . | . | . |
| 4.683 | 0.8625 | 2.70 | .QV | . | . | . | . |
| 4.700 | 0.8662 | 2.70 | .QV | . | . | . | . |
| 4.717 | 0.8699 | 2.70 | .QV | . | . | . | . |
| 4.733 | 0.8737 | 2.70 | .QV | . | . | . | . |
| 4.750 | 0.8774 | 2.71 | .QV | . | . | . | . |
| 4.767 | 0.8811 | 2.71 | .QV | . | . | . | . |
| 4.783 | 0.8849 | 2.71 | .QV | . | . | . | . |
| 4.800 | 0.8886 | 2.72 | .QV | . | . | . | . |
| 4.817 | 0.8924 | 2.72 | .QV | . | . | . | . |
| 4.833 | 0.8961 | 2.72 | .QV | . | . | . | . |
| 4.850 | 0.8999 | 2.73 | .Q V | . | . | . | . |
| 4.867 | 0.9036 | 2.73 | .Q V | . | . | . | . |
| 4.883 | 0.9074 | 2.73 | .Q V | . | . | . | . |
| 4.900 | 0.9112 | 2.74 | .Q V | . | . | . | . |
| 4.917 | 0.9149 | 2.74 | .Q V | . | . | . | . |
| 4.933 | 0.9187 | 2.74 | .Q V | . | . | . | . |
| 4.950 | 0.9225 | 2.74 | .Q V | . | . | . | . |
| 4.967 | 0.9263 | 2.74 | .Q V | . | . | . | . |
| 4.983 | 0.9300 | 2.74 | .Q V | . | . | . | . |
| 5.000 | 0.9338 | 2.75 | .Q V | . | . | . | . |
| 5.017 | 0.9376 | 2.75 | .Q V | . | . | . | . |
| 5.033 | 0.9414 | 2.75 | .Q V | . | . | . | . |
| 5.050 | 0.9452 | 2.75 | .Q V | . | . | . | . |
| 5.067 | 0.9490 | 2.75 | .Q V | . | . | . | . |
| 5.083 | 0.9528 | 2.75 | .Q V | . | . | . | . |
| 5.100 | 0.9566 | 2.76 | .Q V | . | . | . | . |
| 5.117 | 0.9604 | 2.76 | .Q V | . | . | . | . |
| 5.133 | 0.9642 | 2.76 | .Q V | . | . | . | . |
| 5.150 | 0.9680 | 2.76 | .Q V | . | . | . | . |
| 5.167 | 0.9718 | 2.76 | .Q V | . | . | . | . |
| 5.183 | 0.9756 | 2.77 | .Q V | . | . | . | . |
| 5.200 | 0.9794 | 2.77 | .Q V | . | . | . | . |
| 5.217 | 0.9832 | 2.77 | .Q V | . | . | . | . |
| 5.233 | 0.9870 | 2.77 | .Q V | . | . | . | . |
| 5.250 | 0.9908 | 2.77 | .Q V | . | . | . | . |
| 5.267 | 0.9947 | 2.77 | .Q V | . | . | . | . |
| 5.283 | 0.9985 | 2.78 | .Q V | . | . | . | . |
| 5.300 | 1.0023 | 2.78 | .Q V | . | . | . | . |
| 5.317 | 1.0062 | 2.79 | .Q V | . | . | . | . |
| 5.333 | 1.0100 | 2.79 | .Q V | . | . | . | . |
| 5.350 | 1.0138 | 2.79 | .Q V | . | . | . | . |
| 5.367 | 1.0177 | 2.80 | .Q V | . | . | . | . |
| 5.383 | 1.0216 | 2.80 | .Q V | . | . | . | . |
| 5.400 | 1.0254 | 2.80 | .Q V | . | . | . | . |
| 5.417 | 1.0293 | 2.81 | .Q V | . | . | . | . |
| 5.433 | 1.0332 | 2.81 | .Q V | . | . | . | . |
| 5.450 | 1.0370 | 2.81 | .Q V | . | . | . | . |
| 5.467 | 1.0409 | 2.82 | .Q V | . | . | . | . |
| 5.483 | 1.0448 | 2.82 | .Q V | . | . | . | . |
| 5.500 | 1.0487 | 2.82 | .Q V | . | . | . | . |
| 5.517 | 1.0526 | 2.83 | .Q V | . | . | . | . |
| 5.533 | 1.0565 | 2.83 | .Q V | . | . | . | . |
| 5.550 | 1.0604 | 2.84 | .Q V | . | . | . | . |
| 5.567 | 1.0643 | 2.84 | .Q V | . | . | . | . |
| 5.583 | 1.0682 | 2.84 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 5.600 | 1.0721 | 2.85 | .Q | V | . | . | . | . |
| 5.617 | 1.0761 | 2.85 | .Q | V | . | . | . | . |
| 5.633 | 1.0800 | 2.85 | .Q | V | . | . | . | . |
| 5.650 | 1.0839 | 2.85 | .Q | V | . | . | . | . |
| 5.667 | 1.0879 | 2.85 | .Q | V | . | . | . | . |
| 5.683 | 1.0918 | 2.86 | .Q | V | . | . | . | . |
| 5.700 | 1.0957 | 2.86 | .Q | V | . | . | . | . |
| 5.717 | 1.0997 | 2.86 | .Q | V | . | . | . | . |
| 5.733 | 1.1036 | 2.86 | .Q | V | . | . | . | . |
| 5.750 | 1.1076 | 2.86 | .Q | V | . | . | . | . |
| 5.767 | 1.1115 | 2.87 | .Q | V | . | . | . | . |
| 5.783 | 1.1155 | 2.87 | .Q | V | . | . | . | . |
| 5.800 | 1.1194 | 2.87 | .Q | V | . | . | . | . |
| 5.817 | 1.1234 | 2.87 | .Q | V | . | . | . | . |
| 5.833 | 1.1273 | 2.87 | .Q | V | . | . | . | . |
| 5.850 | 1.1313 | 2.88 | .Q | V | . | . | . | . |
| 5.867 | 1.1352 | 2.88 | .Q | V | . | . | . | . |
| 5.883 | 1.1392 | 2.88 | .Q | V | . | . | . | . |
| 5.900 | 1.1432 | 2.88 | .Q | V | . | . | . | . |
| 5.917 | 1.1471 | 2.88 | .Q | V | . | . | . | . |
| 5.933 | 1.1511 | 2.88 | .Q | V | . | . | . | . |
| 5.950 | 1.1551 | 2.89 | .Q | V | . | . | . | . |
| 5.967 | 1.1591 | 2.89 | .Q | V | . | . | . | . |
| 5.983 | 1.1631 | 2.89 | .Q | V | . | . | . | . |
| 6.000 | 1.1671 | 2.90 | .Q | V | . | . | . | . |
| 6.017 | 1.1710 | 2.90 | .Q | V | . | . | . | . |
| 6.033 | 1.1750 | 2.90 | .Q | V | . | . | . | . |
| 6.050 | 1.1791 | 2.91 | .Q | V | . | . | . | . |
| 6.067 | 1.1831 | 2.91 | .Q | V | . | . | . | . |
| 6.083 | 1.1871 | 2.92 | .Q | V | . | . | . | . |
| 6.100 | 1.1911 | 2.92 | .Q | V | . | . | . | . |
| 6.117 | 1.1951 | 2.92 | .Q | V | . | . | . | . |
| 6.133 | 1.1992 | 2.93 | .Q | V | . | . | . | . |
| 6.150 | 1.2032 | 2.93 | .Q | V | . | . | . | . |
| 6.167 | 1.2072 | 2.94 | .Q | V | . | . | . | . |
| 6.183 | 1.2113 | 2.94 | .Q | V | . | . | . | . |
| 6.200 | 1.2153 | 2.94 | .Q | V | . | . | . | . |
| 6.217 | 1.2194 | 2.95 | .Q | V | . | . | . | . |
| 6.233 | 1.2235 | 2.95 | .Q | V | . | . | . | . |
| 6.250 | 1.2275 | 2.96 | .Q | V | . | . | . | . |
| 6.267 | 1.2316 | 2.96 | .Q | V | . | . | . | . |
| 6.283 | 1.2357 | 2.96 | .Q | V | . | . | . | . |
| 6.300 | 1.2398 | 2.97 | .Q | V | . | . | . | . |
| 6.317 | 1.2439 | 2.97 | .Q | V | . | . | . | . |
| 6.333 | 1.2480 | 2.98 | .Q | V | . | . | . | . |
| 6.350 | 1.2521 | 2.98 | .Q | V | . | . | . | . |
| 6.367 | 1.2562 | 2.98 | .Q | V | . | . | . | . |
| 6.383 | 1.2603 | 2.98 | .Q | V | . | . | . | . |
| 6.400 | 1.2644 | 2.98 | .Q | V | . | . | . | . |
| 6.417 | 1.2685 | 2.99 | .Q | V | . | . | . | . |
| 6.433 | 1.2726 | 2.99 | .Q | V | . | . | . | . |
| 6.450 | 1.2768 | 2.99 | .Q | V | . | . | . | . |
| 6.467 | 1.2809 | 2.99 | .Q | V | . | . | . | . |
| 6.483 | 1.2850 | 2.99 | .Q | V | . | . | . | . |
| 6.500 | 1.2891 | 3.00 | .Q | V | . | . | . | . |
| 6.517 | 1.2933 | 3.00 | .Q | V | . | . | . | . |
| 6.533 | 1.2974 | 3.00 | .Q | V | . | . | . | . |
| 6.550 | 1.3015 | 3.00 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 6.567 | 1.3057 | 3.00 | .Q | V | . | . | . | . |
| 6.583 | 1.3098 | 3.01 | .Q | V | . | . | . | . |
| 6.600 | 1.3139 | 3.01 | .Q | V | . | . | . | . |
| 6.617 | 1.3181 | 3.01 | .Q | V | . | . | . | . |
| 6.633 | 1.3222 | 3.01 | .Q | V | . | . | . | . |
| 6.650 | 1.3264 | 3.02 | .Q | V | . | . | . | . |
| 6.667 | 1.3306 | 3.02 | .Q | V | . | . | . | . |
| 6.683 | 1.3347 | 3.02 | .Q | V | . | . | . | . |
| 6.700 | 1.3389 | 3.02 | .Q | V | . | . | . | . |
| 6.717 | 1.3430 | 3.03 | .Q | V | . | . | . | . |
| 6.733 | 1.3472 | 3.03 | .Q | V | . | . | . | . |
| 6.750 | 1.3514 | 3.04 | .Q | V | . | . | . | . |
| 6.767 | 1.3556 | 3.04 | .Q | V | . | . | . | . |
| 6.783 | 1.3598 | 3.05 | .Q | V | . | . | . | . |
| 6.800 | 1.3640 | 3.05 | .Q | V | . | . | . | . |
| 6.817 | 1.3682 | 3.05 | .Q | V | . | . | . | . |
| 6.833 | 1.3724 | 3.06 | .Q | V | . | . | . | . |
| 6.850 | 1.3766 | 3.06 | .Q | V | . | . | . | . |
| 6.867 | 1.3809 | 3.07 | .Q | V | . | . | . | . |
| 6.883 | 1.3851 | 3.07 | .Q | V | . | . | . | . |
| 6.900 | 1.3893 | 3.08 | .Q | V | . | . | . | . |
| 6.917 | 1.3936 | 3.08 | .Q | V | . | . | . | . |
| 6.933 | 1.3978 | 3.09 | .Q | V | . | . | . | . |
| 6.950 | 1.4021 | 3.09 | .Q | V | . | . | . | . |
| 6.967 | 1.4063 | 3.09 | .Q | V | . | . | . | . |
| 6.983 | 1.4106 | 3.10 | .Q | V | . | . | . | . |
| 7.000 | 1.4149 | 3.10 | .Q | V | . | . | . | . |
| 7.017 | 1.4192 | 3.11 | .Q | V | . | . | . | . |
| 7.033 | 1.4235 | 3.11 | .Q | V | . | . | . | . |
| 7.050 | 1.4278 | 3.12 | .Q | V | . | . | . | . |
| 7.067 | 1.4321 | 3.12 | .Q | V | . | . | . | . |
| 7.083 | 1.4363 | 3.12 | .Q | V | . | . | . | . |
| 7.100 | 1.4407 | 3.12 | .Q | V | . | . | . | . |
| 7.117 | 1.4450 | 3.13 | .Q | V | . | . | . | . |
| 7.133 | 1.4493 | 3.13 | .Q | V | . | . | . | . |
| 7.150 | 1.4536 | 3.13 | .Q | V | . | . | . | . |
| 7.167 | 1.4579 | 3.13 | .Q | V | . | . | . | . |
| 7.183 | 1.4622 | 3.14 | .Q | V | . | . | . | . |
| 7.200 | 1.4665 | 3.14 | .Q | V | . | . | . | . |
| 7.217 | 1.4709 | 3.14 | .Q | V | . | . | . | . |
| 7.233 | 1.4752 | 3.14 | .Q | V | . | . | . | . |
| 7.250 | 1.4795 | 3.15 | .Q | V | . | . | . | . |
| 7.267 | 1.4839 | 3.15 | .Q | V | . | . | . | . |
| 7.283 | 1.4882 | 3.15 | .Q | V | . | . | . | . |
| 7.300 | 1.4925 | 3.15 | .Q | V | . | . | . | . |
| 7.317 | 1.4969 | 3.15 | .Q | V | . | . | . | . |
| 7.333 | 1.5012 | 3.16 | .Q | V | . | . | . | . |
| 7.350 | 1.5056 | 3.16 | .Q | V | . | . | . | . |
| 7.367 | 1.5099 | 3.16 | .Q | V | . | . | . | . |
| 7.383 | 1.5143 | 3.16 | .Q | V | . | . | . | . |
| 7.400 | 1.5187 | 3.17 | .Q | V | . | . | . | . |
| 7.417 | 1.5230 | 3.17 | .Q | V | . | . | . | . |
| 7.433 | 1.5274 | 3.18 | .Q | V | . | . | . | . |
| 7.450 | 1.5318 | 3.18 | .Q | V | . | . | . | . |
| 7.467 | 1.5362 | 3.19 | .Q | V | . | . | . | . |
| 7.483 | 1.5406 | 3.19 | .Q | V | . | . | . | . |
| 7.500 | 1.5450 | 3.20 | .Q | V | . | . | . | . |
| 7.517 | 1.5494 | 3.20 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 7.533 | 1.5538 | 3.21 | .Q | V | . | . | . | . |
| 7.550 | 1.5582 | 3.21 | .Q | V | . | . | . | . |
| 7.567 | 1.5627 | 3.22 | .Q | V | . | . | . | . |
| 7.583 | 1.5671 | 3.22 | .Q | V | . | . | . | . |
| 7.600 | 1.5715 | 3.23 | .Q | V | . | . | . | . |
| 7.617 | 1.5760 | 3.23 | .Q | V | . | . | . | . |
| 7.633 | 1.5805 | 3.24 | .Q | V | . | . | . | . |
| 7.650 | 1.5849 | 3.24 | .Q | V | . | . | . | . |
| 7.667 | 1.5894 | 3.25 | .Q | V | . | . | . | . |
| 7.683 | 1.5939 | 3.25 | .Q | V | . | . | . | . |
| 7.700 | 1.5984 | 3.26 | .Q | V | . | . | . | . |
| 7.717 | 1.6029 | 3.26 | .Q | V | . | . | . | . |
| 7.733 | 1.6074 | 3.27 | .Q | V | . | . | . | . |
| 7.750 | 1.6119 | 3.27 | .Q | V | . | . | . | . |
| 7.767 | 1.6164 | 3.28 | .Q | V | . | . | . | . |
| 7.783 | 1.6209 | 3.28 | .Q | V | . | . | . | . |
| 7.800 | 1.6254 | 3.28 | .Q | V | . | . | . | . |
| 7.817 | 1.6299 | 3.29 | .Q | V | . | . | . | . |
| 7.833 | 1.6345 | 3.29 | .Q | V | . | . | . | . |
| 7.850 | 1.6390 | 3.29 | .Q | V | . | . | . | . |
| 7.867 | 1.6435 | 3.29 | .Q | V | . | . | . | . |
| 7.883 | 1.6481 | 3.30 | .Q | V | . | . | . | . |
| 7.900 | 1.6526 | 3.30 | .Q | V | . | . | . | . |
| 7.917 | 1.6572 | 3.30 | .Q | V | . | . | . | . |
| 7.933 | 1.6617 | 3.30 | .Q | V | . | . | . | . |
| 7.950 | 1.6663 | 3.31 | .Q | V | . | . | . | . |
| 7.967 | 1.6709 | 3.31 | .Q | V | . | . | . | . |
| 7.983 | 1.6754 | 3.31 | .Q | V | . | . | . | . |
| 8.000 | 1.6800 | 3.32 | .Q | V | . | . | . | . |
| 8.017 | 1.6846 | 3.32 | .Q | V | . | . | . | . |
| 8.033 | 1.6891 | 3.32 | .Q | V | . | . | . | . |
| 8.050 | 1.6937 | 3.32 | .Q | V | . | . | . | . |
| 8.067 | 1.6983 | 3.33 | .Q | V | . | . | . | . |
| 8.083 | 1.7029 | 3.33 | .Q | V | . | . | . | . |
| 8.100 | 1.7075 | 3.33 | .Q | V | . | . | . | . |
| 8.117 | 1.7121 | 3.33 | .Q | V | . | . | . | . |
| 8.133 | 1.7167 | 3.34 | .Q | V | . | . | . | . |
| 8.150 | 1.7213 | 3.35 | .Q | V | . | . | . | . |
| 8.167 | 1.7259 | 3.35 | .Q | V | . | . | . | . |
| 8.183 | 1.7305 | 3.36 | .Q | V | . | . | . | . |
| 8.200 | 1.7351 | 3.36 | .Q | V | . | . | . | . |
| 8.217 | 1.7398 | 3.37 | .Q | V | . | . | . | . |
| 8.233 | 1.7444 | 3.37 | .Q | V | . | . | . | . |
| 8.250 | 1.7491 | 3.38 | .Q | V | . | . | . | . |
| 8.267 | 1.7537 | 3.39 | .Q | V | . | . | . | . |
| 8.283 | 1.7584 | 3.39 | .Q | V | . | . | . | . |
| 8.300 | 1.7631 | 3.40 | .Q | V | . | . | . | . |
| 8.317 | 1.7678 | 3.40 | .Q | V | . | . | . | . |
| 8.333 | 1.7725 | 3.41 | .Q | V | . | . | . | . |
| 8.350 | 1.7772 | 3.42 | .Q | V | . | . | . | . |
| 8.367 | 1.7819 | 3.42 | .Q | V | . | . | . | . |
| 8.383 | 1.7866 | 3.43 | .Q | V | . | . | . | . |
| 8.400 | 1.7914 | 3.43 | .Q | V | . | . | . | . |
| 8.417 | 1.7961 | 3.44 | .Q | V | . | . | . | . |
| 8.433 | 1.8008 | 3.44 | .Q | V | . | . | . | . |
| 8.450 | 1.8056 | 3.45 | .Q | V | . | . | . | . |
| 8.467 | 1.8103 | 3.46 | .Q | V | . | . | . | . |
| 8.483 | 1.8151 | 3.46 | .Q | V | . | . | . | . |

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|-------|--------|------|----|---|---|---|---|---|
| 8.500 | 1.8199 | 3.47 | .Q | V | . | . | . | . |
| 8.517 | 1.8247 | 3.47 | .Q | V | . | . | . | . |
| 8.533 | 1.8294 | 3.47 | .Q | V | . | . | . | . |
| 8.550 | 1.8342 | 3.47 | .Q | V | . | . | . | . |
| 8.567 | 1.8390 | 3.48 | .Q | V | . | . | . | . |
| 8.583 | 1.8438 | 3.48 | .Q | V | . | . | . | . |
| 8.600 | 1.8486 | 3.48 | .Q | V | . | . | . | . |
| 8.617 | 1.8534 | 3.49 | .Q | V | . | . | . | . |
| 8.633 | 1.8582 | 3.49 | .Q | V | . | . | . | . |
| 8.650 | 1.8630 | 3.49 | .Q | V | . | . | . | . |
| 8.667 | 1.8679 | 3.50 | .Q | V | . | . | . | . |
| 8.683 | 1.8727 | 3.50 | .Q | V | . | . | . | . |
| 8.700 | 1.8775 | 3.50 | .Q | V | . | . | . | . |
| 8.717 | 1.8823 | 3.51 | .Q | V | . | . | . | . |
| 8.733 | 1.8872 | 3.51 | .Q | V | . | . | . | . |
| 8.750 | 1.8920 | 3.51 | .Q | V | . | . | . | . |
| 8.767 | 1.8968 | 3.52 | .Q | V | . | . | . | . |
| 8.783 | 1.9017 | 3.52 | .Q | V | . | . | . | . |
| 8.800 | 1.9065 | 3.52 | .Q | V | . | . | . | . |
| 8.817 | 1.9114 | 3.52 | .Q | V | . | . | . | . |
| 8.833 | 1.9163 | 3.53 | .Q | V | . | . | . | . |
| 8.850 | 1.9211 | 3.53 | .Q | V | . | . | . | . |
| 8.867 | 1.9260 | 3.54 | .Q | V | . | . | . | . |
| 8.883 | 1.9309 | 3.55 | .Q | V | . | . | . | . |
| 8.900 | 1.9358 | 3.55 | .Q | V | . | . | . | . |
| 8.917 | 1.9407 | 3.56 | .Q | V | . | . | . | . |
| 8.933 | 1.9456 | 3.57 | .Q | V | . | . | . | . |
| 8.950 | 1.9505 | 3.57 | .Q | V | . | . | . | . |
| 8.967 | 1.9555 | 3.58 | .Q | V | . | . | . | . |
| 8.983 | 1.9604 | 3.59 | .Q | V | . | . | . | . |
| 9.000 | 1.9654 | 3.59 | .Q | V | . | . | . | . |
| 9.017 | 1.9703 | 3.60 | .Q | V | . | . | . | . |
| 9.033 | 1.9753 | 3.61 | .Q | V | . | . | . | . |
| 9.050 | 1.9803 | 3.62 | .Q | V | . | . | . | . |
| 9.067 | 1.9853 | 3.62 | .Q | V | . | . | . | . |
| 9.083 | 1.9903 | 3.63 | .Q | V | . | . | . | . |
| 9.100 | 1.9953 | 3.64 | .Q | V | . | . | . | . |
| 9.117 | 2.0003 | 3.64 | .Q | V | . | . | . | . |
| 9.133 | 2.0053 | 3.65 | .Q | V | . | . | . | . |
| 9.150 | 2.0103 | 3.66 | .Q | V | . | . | . | . |
| 9.167 | 2.0154 | 3.66 | .Q | V | . | . | . | . |
| 9.183 | 2.0204 | 3.67 | .Q | V | . | . | . | . |
| 9.200 | 2.0255 | 3.68 | .Q | V | . | . | . | . |
| 9.217 | 2.0306 | 3.68 | .Q | V | . | . | . | . |
| 9.233 | 2.0356 | 3.68 | .Q | V | . | . | . | . |
| 9.250 | 2.0407 | 3.69 | .Q | V | . | . | . | . |
| 9.267 | 2.0458 | 3.69 | .Q | V | . | . | . | . |
| 9.283 | 2.0509 | 3.69 | .Q | V | . | . | . | . |
| 9.300 | 2.0560 | 3.70 | .Q | V | . | . | . | . |
| 9.317 | 2.0611 | 3.70 | .Q | V | . | . | . | . |
| 9.333 | 2.0662 | 3.71 | .Q | V | . | . | . | . |
| 9.350 | 2.0713 | 3.71 | .Q | V | . | . | . | . |
| 9.367 | 2.0764 | 3.71 | .Q | V | . | . | . | . |
| 9.383 | 2.0815 | 3.72 | .Q | V | . | . | . | . |
| 9.400 | 2.0867 | 3.72 | .Q | V | . | . | . | . |
| 9.417 | 2.0918 | 3.72 | .Q | V | . | . | . | . |
| 9.433 | 2.0969 | 3.73 | .Q | V | . | . | . | . |
| 9.450 | 2.1021 | 3.73 | .Q | V | . | . | . | . |

| | | | | | | | |
|--------|--------|------|----|---|---|---|---|
| 9.467 | 2.1072 | 3.74 | .Q | V | . | . | . |
| 9.483 | 2.1124 | 3.74 | .Q | V | . | . | . |
| 9.500 | 2.1175 | 3.74 | .Q | V | . | . | . |
| 9.517 | 2.1227 | 3.75 | .Q | V | . | . | . |
| 9.533 | 2.1278 | 3.75 | .Q | V | . | . | . |
| 9.550 | 2.1330 | 3.75 | .Q | V | . | . | . |
| 9.567 | 2.1382 | 3.76 | .Q | V | . | . | . |
| 9.583 | 2.1434 | 3.77 | .Q | V | . | . | . |
| 9.600 | 2.1486 | 3.78 | .Q | V | . | . | . |
| 9.617 | 2.1538 | 3.78 | .Q | V | . | . | . |
| 9.633 | 2.1590 | 3.79 | .Q | V | . | . | . |
| 9.650 | 2.1643 | 3.80 | .Q | V | . | . | . |
| 9.667 | 2.1695 | 3.81 | .Q | V | . | . | . |
| 9.683 | 2.1748 | 3.82 | .Q | V | . | . | . |
| 9.700 | 2.1800 | 3.82 | .Q | V | . | . | . |
| 9.717 | 2.1853 | 3.83 | .Q | V | . | . | . |
| 9.733 | 2.1906 | 3.84 | .Q | V | . | . | . |
| 9.750 | 2.1959 | 3.85 | .Q | V | . | . | . |
| 9.767 | 2.2012 | 3.86 | .Q | V | . | . | . |
| 9.783 | 2.2065 | 3.86 | .Q | V | . | . | . |
| 9.800 | 2.2119 | 3.87 | .Q | V | . | . | . |
| 9.817 | 2.2172 | 3.88 | .Q | V | . | . | . |
| 9.833 | 2.2226 | 3.89 | .Q | V | . | . | . |
| 9.850 | 2.2279 | 3.90 | .Q | V | . | . | . |
| 9.867 | 2.2333 | 3.91 | .Q | V | . | . | . |
| 9.883 | 2.2387 | 3.91 | .Q | V | . | . | . |
| 9.900 | 2.2441 | 3.92 | .Q | V | . | . | . |
| 9.917 | 2.2495 | 3.93 | .Q | V | . | . | . |
| 9.933 | 2.2549 | 3.93 | .Q | V | . | . | . |
| 9.950 | 2.2604 | 3.94 | .Q | V | . | . | . |
| 9.967 | 2.2658 | 3.94 | .Q | V | . | . | . |
| 9.983 | 2.2712 | 3.95 | .Q | V | . | . | . |
| 10.000 | 2.2767 | 3.95 | .Q | V | . | . | . |
| 10.017 | 2.2821 | 3.96 | .Q | V | . | . | . |
| 10.033 | 2.2876 | 3.96 | .Q | V | . | . | . |
| 10.050 | 2.2930 | 3.96 | .Q | V | . | . | . |
| 10.067 | 2.2985 | 3.97 | .Q | V | . | . | . |
| 10.083 | 2.3040 | 3.97 | .Q | V | . | . | . |
| 10.100 | 2.3094 | 3.98 | .Q | V | . | . | . |
| 10.117 | 2.3149 | 3.98 | .Q | V | . | . | . |
| 10.133 | 2.3204 | 3.99 | .Q | V | . | . | . |
| 10.150 | 2.3259 | 3.99 | .Q | V | . | . | . |
| 10.167 | 2.3314 | 3.99 | .Q | V | . | . | . |
| 10.183 | 2.3369 | 4.00 | .Q | V | . | . | . |
| 10.200 | 2.3424 | 4.00 | .Q | V | . | . | . |
| 10.217 | 2.3480 | 4.01 | .Q | V | . | . | . |
| 10.233 | 2.3535 | 4.01 | .Q | V | . | . | . |
| 10.250 | 2.3590 | 4.02 | .Q | V | . | . | . |
| 10.267 | 2.3646 | 4.02 | .Q | V | . | . | . |
| 10.283 | 2.3701 | 4.03 | .Q | V | . | . | . |
| 10.300 | 2.3757 | 4.04 | .Q | V | . | . | . |
| 10.317 | 2.3813 | 4.05 | .Q | V | . | . | . |
| 10.333 | 2.3868 | 4.06 | .Q | V | . | . | . |
| 10.350 | 2.3924 | 4.07 | .Q | V | . | . | . |
| 10.367 | 2.3981 | 4.08 | .Q | V | . | . | . |
| 10.383 | 2.4037 | 4.09 | .Q | V | . | . | . |
| 10.400 | 2.4093 | 4.10 | .Q | V | . | . | . |
| 10.417 | 2.4150 | 4.11 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|---|---|---|---|
| 10.433 | 2.4207 | 4.12 | .Q | V | . | . | . |
| 10.450 | 2.4263 | 4.13 | .Q | V | . | . | . |
| 10.467 | 2.4320 | 4.14 | .Q | V | . | . | . |
| 10.483 | 2.4378 | 4.15 | .Q | V | . | . | . |
| 10.500 | 2.4435 | 4.16 | .Q | V | . | . | . |
| 10.517 | 2.4492 | 4.17 | .Q | V | . | . | . |
| 10.533 | 2.4550 | 4.17 | .Q | V | . | . | . |
| 10.550 | 2.4607 | 4.18 | .Q | V | . | . | . |
| 10.567 | 2.4665 | 4.19 | .Q | V | . | . | . |
| 10.583 | 2.4723 | 4.20 | .Q | V | . | . | . |
| 10.600 | 2.4781 | 4.21 | .Q | V | . | . | . |
| 10.617 | 2.4839 | 4.22 | .Q | V | . | . | . |
| 10.633 | 2.4897 | 4.23 | .Q | V | . | . | . |
| 10.650 | 2.4956 | 4.24 | .Q | V | . | . | . |
| 10.667 | 2.5014 | 4.24 | .Q | V | . | . | . |
| 10.683 | 2.5073 | 4.25 | .Q | V | . | . | . |
| 10.700 | 2.5131 | 4.25 | .Q | V | . | . | . |
| 10.717 | 2.5190 | 4.26 | .Q | V | . | . | . |
| 10.733 | 2.5249 | 4.26 | .Q | V | . | . | . |
| 10.750 | 2.5308 | 4.27 | .Q | V | . | . | . |
| 10.767 | 2.5367 | 4.28 | .Q | V | . | . | . |
| 10.783 | 2.5426 | 4.28 | .Q | V | . | . | . |
| 10.800 | 2.5485 | 4.29 | .Q | V | . | . | . |
| 10.817 | 2.5544 | 4.29 | .Q | V | . | . | . |
| 10.833 | 2.5603 | 4.30 | .Q | V | . | . | . |
| 10.850 | 2.5662 | 4.30 | .Q | V | . | . | . |
| 10.867 | 2.5721 | 4.31 | .Q | V | . | . | . |
| 10.883 | 2.5781 | 4.31 | .Q | V | . | . | . |
| 10.900 | 2.5840 | 4.32 | .Q | V | . | . | . |
| 10.917 | 2.5900 | 4.32 | .Q | V | . | . | . |
| 10.933 | 2.5960 | 4.33 | .Q | V | . | . | . |
| 10.950 | 2.6019 | 4.33 | .Q | V | . | . | . |
| 10.967 | 2.6079 | 4.34 | .Q | V | . | . | . |
| 10.983 | 2.6139 | 4.35 | .Q | V | . | . | . |
| 11.000 | 2.6199 | 4.35 | .Q | V | . | . | . |
| 11.017 | 2.6259 | 4.37 | .Q | V | . | . | . |
| 11.033 | 2.6319 | 4.38 | .Q | V | . | . | . |
| 11.050 | 2.6380 | 4.39 | .Q | V | . | . | . |
| 11.067 | 2.6440 | 4.40 | .Q | V | . | . | . |
| 11.083 | 2.6501 | 4.42 | .Q | V | . | . | . |
| 11.100 | 2.6562 | 4.43 | .Q | V | . | . | . |
| 11.117 | 2.6623 | 4.44 | .Q | V | . | . | . |
| 11.133 | 2.6685 | 4.45 | .Q | V | . | . | . |
| 11.150 | 2.6746 | 4.46 | .Q | V | . | . | . |
| 11.167 | 2.6808 | 4.48 | .Q | V | . | . | . |
| 11.183 | 2.6870 | 4.49 | .Q | V | . | . | . |
| 11.200 | 2.6932 | 4.50 | .Q | V | . | . | . |
| 11.217 | 2.6994 | 4.51 | .Q | V | . | . | . |
| 11.233 | 2.7056 | 4.52 | .Q | V | . | . | . |
| 11.250 | 2.7118 | 4.54 | .Q | V | . | . | . |
| 11.267 | 2.7181 | 4.55 | .Q | V | . | . | . |
| 11.283 | 2.7244 | 4.56 | .Q | V | . | . | . |
| 11.300 | 2.7307 | 4.57 | .Q | V | . | . | . |
| 11.317 | 2.7370 | 4.58 | .Q | V | . | . | . |
| 11.333 | 2.7433 | 4.60 | .Q | V | . | . | . |
| 11.350 | 2.7497 | 4.61 | .Q | V | . | . | . |
| 11.367 | 2.7560 | 4.61 | .Q | V | . | . | . |
| 11.383 | 2.7624 | 4.62 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|-----|----|---|---|---|
| 11.400 | 2.7688 | 4.63 | . Q | V. | . | . | . |
| 11.417 | 2.7751 | 4.63 | . Q | V. | . | . | . |
| 11.433 | 2.7815 | 4.64 | . Q | V. | . | . | . |
| 11.450 | 2.7879 | 4.65 | . Q | V. | . | . | . |
| 11.467 | 2.7943 | 4.65 | . Q | V. | . | . | . |
| 11.483 | 2.8008 | 4.66 | . Q | V. | . | . | . |
| 11.500 | 2.8072 | 4.67 | . Q | V. | . | . | . |
| 11.517 | 2.8136 | 4.67 | . Q | V. | . | . | . |
| 11.533 | 2.8201 | 4.68 | . Q | V. | . | . | . |
| 11.550 | 2.8265 | 4.69 | . Q | V. | . | . | . |
| 11.567 | 2.8330 | 4.69 | . Q | V. | . | . | . |
| 11.583 | 2.8395 | 4.70 | . Q | V. | . | . | . |
| 11.600 | 2.8460 | 4.71 | . Q | V. | . | . | . |
| 11.617 | 2.8525 | 4.71 | . Q | V. | . | . | . |
| 11.633 | 2.8590 | 4.72 | . Q | V. | . | . | . |
| 11.650 | 2.8655 | 4.73 | . Q | V. | . | . | . |
| 11.667 | 2.8720 | 4.73 | . Q | V. | . | . | . |
| 11.683 | 2.8785 | 4.74 | . Q | V. | . | . | . |
| 11.700 | 2.8851 | 4.75 | . Q | V. | . | . | . |
| 11.717 | 2.8916 | 4.76 | . Q | V. | . | . | . |
| 11.733 | 2.8982 | 4.78 | . Q | V. | . | . | . |
| 11.750 | 2.9048 | 4.79 | . Q | V. | . | . | . |
| 11.767 | 2.9114 | 4.81 | . Q | V. | . | . | . |
| 11.783 | 2.9181 | 4.82 | . Q | V. | . | . | . |
| 11.800 | 2.9247 | 4.84 | . Q | V. | . | . | . |
| 11.817 | 2.9314 | 4.85 | . Q | V. | . | . | . |
| 11.833 | 2.9381 | 4.87 | . Q | V. | . | . | . |
| 11.850 | 2.9448 | 4.88 | . Q | V. | . | . | . |
| 11.867 | 2.9516 | 4.90 | . Q | V. | . | . | . |
| 11.883 | 2.9583 | 4.91 | . Q | V. | . | . | . |
| 11.900 | 2.9651 | 4.93 | . Q | V. | . | . | . |
| 11.917 | 2.9719 | 4.94 | . Q | V. | . | . | . |
| 11.933 | 2.9788 | 4.96 | . Q | V. | . | . | . |
| 11.950 | 2.9856 | 4.97 | . Q | V. | . | . | . |
| 11.967 | 2.9925 | 4.99 | . Q | V. | . | . | . |
| 11.983 | 2.9994 | 5.01 | . Q | V | . | . | . |
| 12.000 | 3.0063 | 5.02 | . Q | V | . | . | . |
| 12.017 | 3.0132 | 5.04 | . Q | V | . | . | . |
| 12.033 | 3.0202 | 5.05 | . Q | V | . | . | . |
| 12.050 | 3.0272 | 5.07 | . Q | V | . | . | . |
| 12.067 | 3.0342 | 5.09 | . Q | V | . | . | . |
| 12.083 | 3.0413 | 5.13 | . Q | V | . | . | . |
| 12.100 | 3.0484 | 5.17 | . Q | V | . | . | . |
| 12.117 | 3.0556 | 5.22 | . Q | V | . | . | . |
| 12.133 | 3.0628 | 5.26 | . Q | V | . | . | . |
| 12.150 | 3.0701 | 5.31 | . Q | V | . | . | . |
| 12.167 | 3.0775 | 5.35 | . Q | V | . | . | . |
| 12.183 | 3.0849 | 5.39 | . Q | V | . | . | . |
| 12.200 | 3.0924 | 5.44 | . Q | V | . | . | . |
| 12.217 | 3.1000 | 5.48 | . Q | V | . | . | . |
| 12.233 | 3.1076 | 5.53 | . Q | V | . | . | . |
| 12.250 | 3.1153 | 5.57 | . Q | V | . | . | . |
| 12.267 | 3.1230 | 5.61 | . Q | V | . | . | . |
| 12.283 | 3.1308 | 5.66 | . Q | V | . | . | . |
| 12.300 | 3.1386 | 5.70 | . Q | V | . | . | . |
| 12.317 | 3.1466 | 5.75 | . Q | V | . | . | . |
| 12.333 | 3.1545 | 5.79 | . Q | V | . | . | . |
| 12.350 | 3.1626 | 5.84 | . Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|-----|----|---|---|---|
| 12.367 | 3.1707 | 5.88 | . Q | V | . | . | . |
| 12.383 | 3.1788 | 5.92 | . Q | V | . | . | . |
| 12.400 | 3.1870 | 5.97 | . Q | V | . | . | . |
| 12.417 | 3.1953 | 6.01 | . Q | V | . | . | . |
| 12.433 | 3.2037 | 6.05 | . Q | V | . | . | . |
| 12.450 | 3.2120 | 6.08 | . Q | V | . | . | . |
| 12.467 | 3.2205 | 6.12 | . Q | V | . | . | . |
| 12.483 | 3.2289 | 6.15 | . Q | V | . | . | . |
| 12.500 | 3.2375 | 6.19 | . Q | V | . | . | . |
| 12.517 | 3.2460 | 6.22 | . Q | V | . | . | . |
| 12.533 | 3.2546 | 6.25 | . Q | V | . | . | . |
| 12.550 | 3.2633 | 6.29 | . Q | V | . | . | . |
| 12.567 | 3.2720 | 6.32 | . Q | V | . | . | . |
| 12.583 | 3.2808 | 6.36 | . Q | V | . | . | . |
| 12.600 | 3.2896 | 6.39 | . Q | V | . | . | . |
| 12.617 | 3.2984 | 6.42 | . Q | V | . | . | . |
| 12.633 | 3.3073 | 6.46 | . Q | .V | . | . | . |
| 12.650 | 3.3162 | 6.49 | . Q | .V | . | . | . |
| 12.667 | 3.3252 | 6.53 | . Q | .V | . | . | . |
| 12.683 | 3.3343 | 6.56 | . Q | .V | . | . | . |
| 12.700 | 3.3434 | 6.59 | . Q | .V | . | . | . |
| 12.717 | 3.3525 | 6.63 | . Q | .V | . | . | . |
| 12.733 | 3.3617 | 6.66 | . Q | .V | . | . | . |
| 12.750 | 3.3709 | 6.70 | . Q | .V | . | . | . |
| 12.767 | 3.3801 | 6.73 | . Q | .V | . | . | . |
| 12.783 | 3.3895 | 6.76 | . Q | .V | . | . | . |
| 12.800 | 3.3988 | 6.77 | . Q | .V | . | . | . |
| 12.817 | 3.4081 | 6.79 | . Q | .V | . | . | . |
| 12.833 | 3.4175 | 6.80 | . Q | .V | . | . | . |
| 12.850 | 3.4269 | 6.81 | . Q | .V | . | . | . |
| 12.867 | 3.4363 | 6.82 | . Q | .V | . | . | . |
| 12.883 | 3.4457 | 6.84 | . Q | .V | . | . | . |
| 12.900 | 3.4551 | 6.85 | . Q | .V | . | . | . |
| 12.917 | 3.4646 | 6.86 | . Q | .V | . | . | . |
| 12.933 | 3.4740 | 6.87 | . Q | .V | . | . | . |
| 12.950 | 3.4835 | 6.89 | . Q | .V | . | . | . |
| 12.967 | 3.4930 | 6.90 | . Q | .V | . | . | . |
| 12.983 | 3.5026 | 6.91 | . Q | .V | . | . | . |
| 13.000 | 3.5121 | 6.92 | . Q | .V | . | . | . |
| 13.017 | 3.5216 | 6.94 | . Q | .V | . | . | . |
| 13.033 | 3.5312 | 6.95 | . Q | .V | . | . | . |
| 13.050 | 3.5408 | 6.96 | . Q | .V | . | . | . |
| 13.067 | 3.5504 | 6.97 | . Q | .V | . | . | . |
| 13.083 | 3.5600 | 6.99 | . Q | .V | . | . | . |
| 13.100 | 3.5697 | 7.00 | . Q | .V | . | . | . |
| 13.117 | 3.5793 | 7.01 | . Q | .V | . | . | . |
| 13.133 | 3.5890 | 7.02 | . Q | .V | . | . | . |
| 13.150 | 3.5987 | 7.05 | . Q | .V | . | . | . |
| 13.167 | 3.6085 | 7.08 | . Q | .V | . | . | . |
| 13.183 | 3.6182 | 7.11 | . Q | .V | . | . | . |
| 13.200 | 3.6281 | 7.14 | . Q | .V | . | . | . |
| 13.217 | 3.6379 | 7.17 | . Q | .V | . | . | . |
| 13.233 | 3.6478 | 7.20 | . Q | .V | . | . | . |
| 13.250 | 3.6578 | 7.23 | . Q | .V | . | . | . |
| 13.267 | 3.6678 | 7.25 | . Q | .V | . | . | . |
| 13.283 | 3.6778 | 7.28 | . Q | .V | . | . | . |
| 13.300 | 3.6879 | 7.31 | . Q | .V | . | . | . |
| 13.317 | 3.6980 | 7.34 | . Q | .V | . | . | . |

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|--------|--------|------|---|---|---|---|---|---|---|
| 13.333 | 3.7082 | 7.37 | . | Q | . | V | . | . | . |
| 13.350 | 3.7184 | 7.40 | . | Q | . | V | . | . | . |
| 13.367 | 3.7286 | 7.43 | . | Q | . | V | . | . | . |
| 13.383 | 3.7389 | 7.46 | . | Q | . | V | . | . | . |
| 13.400 | 3.7492 | 7.49 | . | Q | . | V | . | . | . |
| 13.417 | 3.7596 | 7.52 | . | Q | . | V | . | . | . |
| 13.433 | 3.7700 | 7.55 | . | Q | . | V | . | . | . |
| 13.450 | 3.7804 | 7.58 | . | Q | . | V | . | . | . |
| 13.467 | 3.7909 | 7.61 | . | Q | . | V | . | . | . |
| 13.483 | 3.8014 | 7.64 | . | Q | . | V | . | . | . |
| 13.500 | 3.8120 | 7.67 | . | Q | . | V | . | . | . |
| 13.517 | 3.8226 | 7.69 | . | Q | . | V | . | . | . |
| 13.533 | 3.8332 | 7.71 | . | Q | . | V | . | . | . |
| 13.550 | 3.8439 | 7.73 | . | Q | . | V | . | . | . |
| 13.567 | 3.8545 | 7.74 | . | Q | . | V | . | . | . |
| 13.583 | 3.8652 | 7.76 | . | Q | . | V | . | . | . |
| 13.600 | 3.8759 | 7.78 | . | Q | . | V | . | . | . |
| 13.617 | 3.8867 | 7.80 | . | Q | . | V | . | . | . |
| 13.633 | 3.8975 | 7.82 | . | Q | . | V | . | . | . |
| 13.650 | 3.9082 | 7.84 | . | Q | . | V | . | . | . |
| 13.667 | 3.9191 | 7.85 | . | Q | . | V | . | . | . |
| 13.683 | 3.9299 | 7.87 | . | Q | . | V | . | . | . |
| 13.700 | 3.9408 | 7.89 | . | Q | . | V | . | . | . |
| 13.717 | 3.9517 | 7.91 | . | Q | . | V | . | . | . |
| 13.733 | 3.9626 | 7.93 | . | Q | . | V | . | . | . |
| 13.750 | 3.9735 | 7.94 | . | Q | . | V | . | . | . |
| 13.767 | 3.9845 | 7.96 | . | Q | . | V | . | . | . |
| 13.783 | 3.9955 | 7.98 | . | Q | . | V | . | . | . |
| 13.800 | 4.0065 | 8.00 | . | Q | . | V | . | . | . |
| 13.817 | 4.0175 | 8.02 | . | Q | . | V | . | . | . |
| 13.833 | 4.0286 | 8.03 | . | Q | . | V | . | . | . |
| 13.850 | 4.0397 | 8.05 | . | Q | . | V | . | . | . |
| 13.867 | 4.0508 | 8.09 | . | Q | . | V | . | . | . |
| 13.883 | 4.0621 | 8.14 | . | Q | . | V | . | . | . |
| 13.900 | 4.0733 | 8.19 | . | Q | . | V | . | . | . |
| 13.917 | 4.0847 | 8.24 | . | Q | . | V | . | . | . |
| 13.933 | 4.0961 | 8.29 | . | Q | . | V | . | . | . |
| 13.950 | 4.1076 | 8.34 | . | Q | . | V | . | . | . |
| 13.967 | 4.1192 | 8.39 | . | Q | . | V | . | . | . |
| 13.983 | 4.1308 | 8.45 | . | Q | . | V | . | . | . |
| 14.000 | 4.1425 | 8.50 | . | Q | . | V | . | . | . |
| 14.017 | 4.1543 | 8.55 | . | Q | . | V | . | . | . |
| 14.033 | 4.1661 | 8.60 | . | Q | . | V | . | . | . |
| 14.050 | 4.1780 | 8.65 | . | Q | . | V | . | . | . |
| 14.067 | 4.1900 | 8.70 | . | Q | . | V | . | . | . |
| 14.083 | 4.2021 | 8.75 | . | Q | . | V | . | . | . |
| 14.100 | 4.2142 | 8.80 | . | Q | . | V | . | . | . |
| 14.117 | 4.2264 | 8.85 | . | Q | . | V | . | . | . |
| 14.133 | 4.2386 | 8.90 | . | Q | . | V | . | . | . |
| 14.150 | 4.2510 | 8.95 | . | Q | . | V | . | . | . |
| 14.167 | 4.2634 | 9.00 | . | Q | . | V | . | . | . |
| 14.183 | 4.2759 | 9.06 | . | Q | . | V | . | . | . |
| 14.200 | 4.2884 | 9.11 | . | Q | . | V | . | . | . |
| 14.217 | 4.3010 | 9.16 | . | Q | . | V | . | . | . |
| 14.233 | 4.3137 | 9.19 | . | Q | . | V | . | . | . |
| 14.250 | 4.3264 | 9.23 | . | Q | . | V | . | . | . |
| 14.267 | 4.3392 | 9.27 | . | Q | . | V | . | . | . |
| 14.283 | 4.3520 | 9.31 | . | Q | . | V | . | . | . |

| | | | | | | | | | |
|--------|--------|-------|---|---|---|---|---|---|---|
| 14.300 | 4.3649 | 9.35 | . | Q | . | V | . | . | . |
| 14.317 | 4.3778 | 9.39 | . | Q | . | V | . | . | . |
| 14.333 | 4.3908 | 9.43 | . | Q | . | V | . | . | . |
| 14.350 | 4.4038 | 9.46 | . | Q | . | V | . | . | . |
| 14.367 | 4.4169 | 9.50 | . | Q | . | V | . | . | . |
| 14.383 | 4.4300 | 9.54 | . | Q | . | V | . | . | . |
| 14.400 | 4.4432 | 9.58 | . | Q | . | V | . | . | . |
| 14.417 | 4.4565 | 9.62 | . | Q | . | V | . | . | . |
| 14.433 | 4.4698 | 9.66 | . | Q | . | V | . | . | . |
| 14.450 | 4.4831 | 9.69 | . | Q | . | V | . | . | . |
| 14.467 | 4.4966 | 9.73 | . | Q | . | V | . | . | . |
| 14.483 | 4.5100 | 9.77 | . | Q | . | V | . | . | . |
| 14.500 | 4.5235 | 9.81 | . | Q | . | V | . | . | . |
| 14.517 | 4.5371 | 9.85 | . | Q | . | V | . | . | . |
| 14.533 | 4.5507 | 9.89 | . | Q | . | V | . | . | . |
| 14.550 | 4.5644 | 9.93 | . | Q | . | V | . | . | . |
| 14.567 | 4.5781 | 9.96 | . | Q | . | V | . | . | . |
| 14.583 | 4.5919 | 10.03 | . | Q | . | V | . | . | . |
| 14.600 | 4.6058 | 10.11 | . | Q | . | V | . | . | . |
| 14.617 | 4.6199 | 10.19 | . | Q | . | V | . | . | . |
| 14.633 | 4.6340 | 10.28 | . | Q | . | V | . | . | . |
| 14.650 | 4.6483 | 10.36 | . | Q | . | V | . | . | . |
| 14.667 | 4.6627 | 10.44 | . | Q | . | V | . | . | . |
| 14.683 | 4.6772 | 10.53 | . | Q | . | V | . | . | . |
| 14.700 | 4.6918 | 10.61 | . | Q | . | V | . | . | . |
| 14.717 | 4.7065 | 10.69 | . | Q | . | V | . | . | . |
| 14.733 | 4.7214 | 10.78 | . | Q | . | V | . | . | . |
| 14.750 | 4.7363 | 10.86 | . | Q | . | V | . | . | . |
| 14.767 | 4.7514 | 10.94 | . | Q | . | V | . | . | . |
| 14.783 | 4.7666 | 11.03 | . | Q | . | V | . | . | . |
| 14.800 | 4.7819 | 11.11 | . | Q | . | V | . | . | . |
| 14.817 | 4.7973 | 11.19 | . | Q | . | V | . | . | . |
| 14.833 | 4.8128 | 11.28 | . | Q | . | V | . | . | . |
| 14.850 | 4.8285 | 11.36 | . | Q | . | V | . | . | . |
| 14.867 | 4.8442 | 11.44 | . | Q | . | V | . | . | . |
| 14.883 | 4.8601 | 11.52 | . | Q | . | V | . | . | . |
| 14.900 | 4.8761 | 11.61 | . | Q | . | V | . | . | . |
| 14.917 | 4.8922 | 11.69 | . | Q | . | V | . | . | . |
| 14.933 | 4.9084 | 11.77 | . | Q | . | V | . | . | . |
| 14.950 | 4.9247 | 11.84 | . | Q | . | V | . | . | . |
| 14.967 | 4.9411 | 11.90 | . | Q | . | V | . | . | . |
| 14.983 | 4.9576 | 11.96 | . | Q | . | V | . | . | . |
| 15.000 | 4.9741 | 12.02 | . | Q | . | V | . | . | . |
| 15.017 | 4.9908 | 12.08 | . | Q | . | V | . | . | . |
| 15.033 | 5.0075 | 12.14 | . | Q | . | V | . | . | . |
| 15.050 | 5.0243 | 12.21 | . | Q | . | V | . | . | . |
| 15.067 | 5.0412 | 12.27 | . | Q | . | V | . | . | . |
| 15.083 | 5.0582 | 12.33 | . | Q | . | V | . | . | . |
| 15.100 | 5.0753 | 12.39 | . | Q | . | V | . | . | . |
| 15.117 | 5.0924 | 12.45 | . | Q | . | V | . | . | . |
| 15.133 | 5.1097 | 12.51 | . | Q | . | V | . | . | . |
| 15.150 | 5.1270 | 12.58 | . | Q | . | V | . | . | . |
| 15.167 | 5.1444 | 12.64 | . | Q | . | V | . | . | . |
| 15.183 | 5.1619 | 12.70 | . | Q | . | V | . | . | . |
| 15.200 | 5.1795 | 12.76 | . | Q | . | V | . | . | . |
| 15.217 | 5.1971 | 12.82 | . | Q | . | V | . | . | . |
| 15.233 | 5.2149 | 12.89 | . | Q | . | V | . | . | . |
| 15.250 | 5.2327 | 12.95 | . | Q | . | V | . | . | . |

| | | | | | | | | | |
|--------|--------|-------|---|----|---|----|---|---|---|
| 15.267 | 5.2506 | 13.01 | . | Q | . | V | . | . | . |
| 15.283 | 5.2686 | 13.07 | . | Q | . | V | . | . | . |
| 15.300 | 5.2868 | 13.17 | . | Q | . | V | . | . | . |
| 15.317 | 5.3051 | 13.31 | . | Q | . | V | . | . | . |
| 15.333 | 5.3236 | 13.44 | . | Q | . | V | . | . | . |
| 15.350 | 5.3423 | 13.58 | . | Q | . | V | . | . | . |
| 15.367 | 5.3612 | 13.71 | . | Q | . | V | . | . | . |
| 15.383 | 5.3803 | 13.85 | . | Q | . | V | . | . | . |
| 15.400 | 5.3995 | 13.98 | . | Q | . | V | . | . | . |
| 15.417 | 5.4190 | 14.12 | . | Q | . | V | . | . | . |
| 15.433 | 5.4386 | 14.25 | . | Q | . | V | . | . | . |
| 15.450 | 5.4584 | 14.39 | . | Q | . | V | . | . | . |
| 15.467 | 5.4784 | 14.52 | . | Q | . | V | . | . | . |
| 15.483 | 5.4986 | 14.66 | . | Q | . | V | . | . | . |
| 15.500 | 5.5190 | 14.79 | . | Q | . | V | . | . | . |
| 15.517 | 5.5396 | 14.93 | . | Q | . | V | . | . | . |
| 15.533 | 5.5603 | 15.06 | . | Q | . | V | . | . | . |
| 15.550 | 5.5812 | 15.20 | . | Q | . | V | . | . | . |
| 15.567 | 5.6024 | 15.33 | . | Q | . | V | . | . | . |
| 15.583 | 5.6237 | 15.47 | . | Q | . | V | . | . | . |
| 15.600 | 5.6452 | 15.60 | . | Q | . | V | . | . | . |
| 15.617 | 5.6668 | 15.74 | . | Q | . | V | . | . | . |
| 15.633 | 5.6887 | 15.87 | . | Q | . | V | . | . | . |
| 15.650 | 5.7108 | 16.03 | . | Q | . | V | . | . | . |
| 15.667 | 5.7332 | 16.28 | . | Q | . | V | . | . | . |
| 15.683 | 5.7560 | 16.55 | . | Q | . | V | . | . | . |
| 15.700 | 5.7792 | 16.83 | . | Q | . | V | . | . | . |
| 15.717 | 5.8027 | 17.10 | . | Q | . | V | . | . | . |
| 15.733 | 5.8267 | 17.37 | . | Q | . | V | . | . | . |
| 15.750 | 5.8510 | 17.64 | . | Q | . | V | . | . | . |
| 15.767 | 5.8756 | 17.91 | . | Q | . | V | . | . | . |
| 15.783 | 5.9007 | 18.19 | . | Q | . | V | . | . | . |
| 15.800 | 5.9261 | 18.46 | . | Q | . | V | . | . | . |
| 15.817 | 5.9519 | 18.73 | . | Q | . | V | . | . | . |
| 15.833 | 5.9781 | 19.00 | . | Q | . | V | . | . | . |
| 15.850 | 6.0046 | 19.28 | . | Q | . | V | . | . | . |
| 15.867 | 6.0316 | 19.55 | . | Q | . | V | . | . | . |
| 15.883 | 6.0589 | 19.82 | . | Q | . | V | . | . | . |
| 15.900 | 6.0865 | 20.09 | . | Q | . | V | . | . | . |
| 15.917 | 6.1146 | 20.36 | . | Q | . | V | . | . | . |
| 15.933 | 6.1430 | 20.64 | . | Q | . | V | . | . | . |
| 15.950 | 6.1718 | 20.91 | . | Q | . | V | . | . | . |
| 15.967 | 6.2010 | 21.18 | . | Q | . | V | . | . | . |
| 15.983 | 6.2305 | 21.45 | . | Q | . | V | . | . | . |
| 16.000 | 6.2605 | 21.72 | . | Q | . | V | . | . | . |
| 16.017 | 6.2925 | 23.24 | . | .Q | . | V | . | . | . |
| 16.033 | 6.3283 | 25.99 | . | .Q | . | .V | . | . | . |
| 16.050 | 6.3678 | 28.74 | . | .Q | . | .V | . | . | . |
| 16.067 | 6.4112 | 31.49 | . | .Q | . | .V | . | . | . |
| 16.083 | 6.4584 | 34.24 | . | .Q | . | .V | . | . | . |
| 16.100 | 6.5093 | 36.99 | . | .Q | . | .V | . | . | . |
| 16.117 | 6.5641 | 39.74 | . | .Q | . | .V | . | . | . |
| 16.133 | 6.6226 | 42.49 | . | .Q | . | .V | . | . | . |
| 16.150 | 6.6849 | 45.24 | . | .Q | . | .V | . | . | . |
| 16.167 | 6.7510 | 48.00 | . | .Q | . | .V | . | . | . |
| 16.183 | 6.8209 | 50.75 | . | .Q | . | .V | . | . | . |
| 16.200 | 6.8946 | 53.50 | . | .Q | . | .V | . | . | . |
| 16.217 | 6.9721 | 56.25 | . | .Q | . | .V | . | . | . |

| | | | | | | | | | |
|--------|--------|-------|---|---|---|---|---|----|---|
| 16.233 | 7.0534 | 59.00 | . | . | . | V | . | Q. | . |
| 16.250 | 7.1384 | 61.75 | . | . | . | V | . | Q | . |
| 16.267 | 7.2273 | 64.50 | . | . | . | V | . | .Q | . |
| 16.283 | 7.3199 | 67.25 | . | . | . | V | . | Q | . |
| 16.300 | 7.4163 | 70.00 | . | . | . | V | . | Q | . |
| 16.317 | 7.5165 | 72.75 | . | . | . | V | . | Q | . |
| 16.333 | 7.6205 | 75.51 | . | . | . | V | . | Q | . |
| 16.350 | 7.7283 | 78.26 | . | . | . | V | . | Q | . |
| 16.367 | 7.8399 | 81.03 | . | . | . | V | . | Q | . |
| 16.383 | 7.9474 | 77.99 | . | . | . | V | . | Q | . |
| 16.400 | 8.0506 | 74.92 | . | . | . | V | . | Q | . |
| 16.417 | 8.1495 | 71.85 | . | . | . | V | . | Q | . |
| 16.433 | 8.2443 | 68.78 | . | . | . | V | . | Q | . |
| 16.450 | 8.3348 | 65.71 | . | . | . | V | . | Q | . |
| 16.467 | 8.4211 | 62.64 | . | . | . | V | . | Q | . |
| 16.483 | 8.5031 | 59.57 | . | . | . | V | . | Q | . |
| 16.500 | 8.5810 | 56.50 | . | . | . | V | . | Q | . |
| 16.517 | 8.6545 | 53.43 | . | . | . | V | . | Q | . |
| 16.533 | 8.7239 | 50.36 | . | . | . | V | . | Q | . |
| 16.550 | 8.7890 | 47.29 | . | . | . | V | . | Q | . |
| 16.567 | 8.8500 | 44.22 | . | . | . | V | . | Q | . |
| 16.583 | 8.9066 | 41.15 | . | . | . | V | . | Q | . |
| 16.600 | 8.9591 | 38.08 | . | . | . | V | . | Q | . |
| 16.617 | 9.0073 | 35.00 | . | . | . | V | . | Q | . |
| 16.633 | 9.0513 | 31.93 | . | . | . | V | . | Q | . |
| 16.650 | 9.0910 | 28.86 | . | . | . | V | . | Q | . |
| 16.667 | 9.1266 | 25.79 | . | . | . | V | . | Q | . |
| 16.683 | 9.1579 | 22.72 | . | . | . | V | . | Q | . |
| 16.700 | 9.1849 | 19.65 | . | . | . | V | . | Q | . |
| 16.717 | 9.2078 | 16.58 | . | . | . | V | . | Q | . |
| 16.733 | 9.2283 | 14.89 | . | . | . | V | . | Q | . |
| 16.750 | 9.2485 | 14.69 | . | . | . | V | . | Q | . |
| 16.767 | 9.2685 | 14.50 | . | . | . | V | . | Q | . |
| 16.783 | 9.2882 | 14.30 | . | . | . | V | . | Q | . |
| 16.800 | 9.3076 | 14.11 | . | . | . | V | . | Q | . |
| 16.817 | 9.3268 | 13.91 | . | . | . | V | . | Q | . |
| 16.833 | 9.3457 | 13.71 | . | . | . | V | . | Q | . |
| 16.850 | 9.3643 | 13.52 | . | . | . | V | . | Q | . |
| 16.867 | 9.3826 | 13.32 | . | . | . | V | . | Q | . |
| 16.883 | 9.4007 | 13.13 | . | . | . | V | . | Q | . |
| 16.900 | 9.4185 | 12.93 | . | . | . | V | . | Q | . |
| 16.917 | 9.4361 | 12.74 | . | . | . | V | . | Q | . |
| 16.933 | 9.4533 | 12.54 | . | . | . | V | . | Q | . |
| 16.950 | 9.4703 | 12.34 | . | . | . | V | . | Q | . |
| 16.967 | 9.4871 | 12.15 | . | . | . | V | . | Q | . |
| 16.983 | 9.5035 | 11.95 | . | . | . | V | . | Q | . |
| 17.000 | 9.5197 | 11.76 | . | . | . | V | . | Q | . |
| 17.017 | 9.5357 | 11.56 | . | . | . | V | . | Q | . |
| 17.033 | 9.5513 | 11.36 | . | . | . | V | . | Q | . |
| 17.050 | 9.5667 | 11.17 | . | . | . | V | . | Q | . |
| 17.067 | 9.5818 | 10.97 | . | . | . | V | . | Q | . |
| 17.083 | 9.5967 | 10.79 | . | . | . | V | . | Q | . |
| 17.100 | 9.6114 | 10.67 | . | . | . | V | . | Q | . |
| 17.117 | 9.6259 | 10.56 | . | . | . | V | . | Q | . |
| 17.133 | 9.6403 | 10.46 | . | . | . | V | . | Q | . |
| 17.150 | 9.6546 | 10.35 | . | . | . | V | . | Q | . |
| 17.167 | 9.6687 | 10.25 | . | . | . | V | . | Q | . |
| 17.183 | 9.6827 | 10.14 | . | . | . | V | . | Q | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|
| 17.200 | 9.6965 | 10.04 | . | Q | . | . | . | V | . |
| 17.217 | 9.7102 | 9.93 | . | Q | . | . | . | V | . |
| 17.233 | 9.7237 | 9.83 | . | Q | . | . | . | V | . |
| 17.250 | 9.7371 | 9.72 | . | Q | . | . | . | V | . |
| 17.267 | 9.7504 | 9.62 | . | Q | . | . | . | V | . |
| 17.283 | 9.7635 | 9.51 | . | Q | . | . | . | V | . |
| 17.300 | 9.7764 | 9.41 | . | Q | . | . | . | V | . |
| 17.317 | 9.7892 | 9.30 | . | Q | . | . | . | V | . |
| 17.333 | 9.8019 | 9.20 | . | Q | . | . | . | V | . |
| 17.350 | 9.8144 | 9.09 | . | Q | . | . | . | V | . |
| 17.367 | 9.8268 | 8.99 | . | Q | . | . | . | V | . |
| 17.383 | 9.8391 | 8.88 | . | Q | . | . | . | V | . |
| 17.400 | 9.8512 | 8.78 | . | Q | . | . | . | V | . |
| 17.417 | 9.8631 | 8.67 | . | Q | . | . | . | V | . |
| 17.433 | 9.8749 | 8.57 | . | Q | . | . | . | V | . |
| 17.450 | 9.8866 | 8.49 | . | Q | . | . | . | V | . |
| 17.467 | 9.8982 | 8.43 | . | Q | . | . | . | V | . |
| 17.483 | 9.9098 | 8.38 | . | Q | . | . | . | V | . |
| 17.500 | 9.9212 | 8.32 | . | Q | . | . | . | V | . |
| 17.517 | 9.9326 | 8.27 | . | Q | . | . | . | V | . |
| 17.533 | 9.9439 | 8.21 | . | Q | . | . | . | V | . |
| 17.550 | 9.9552 | 8.16 | . | Q | . | . | . | V | . |
| 17.567 | 9.9663 | 8.10 | . | Q | . | . | . | V | . |
| 17.583 | 9.9774 | 8.05 | . | Q | . | . | . | V | . |
| 17.600 | 9.9884 | 7.99 | . | Q | . | . | . | V | . |
| 17.617 | 9.9994 | 7.94 | . | Q | . | . | . | V | . |
| 17.633 | 10.0102 | 7.88 | . | Q | . | . | . | V | . |
| 17.650 | 10.0210 | 7.83 | . | Q | . | . | . | V | . |
| 17.667 | 10.0317 | 7.77 | . | Q | . | . | . | V | . |
| 17.683 | 10.0423 | 7.72 | . | Q | . | . | . | V | . |
| 17.700 | 10.0529 | 7.66 | . | Q | . | . | . | V | . |
| 17.717 | 10.0634 | 7.61 | . | Q | . | . | . | V | . |
| 17.733 | 10.0738 | 7.55 | . | Q | . | . | . | V | . |
| 17.750 | 10.0841 | 7.50 | . | Q | . | . | . | V | . |
| 17.767 | 10.0943 | 7.44 | . | Q | . | . | . | V | . |
| 17.783 | 10.1045 | 7.39 | . | Q | . | . | . | V | . |
| 17.800 | 10.1146 | 7.33 | . | Q | . | . | . | V | . |
| 17.817 | 10.1247 | 7.29 | . | Q | . | . | . | V | . |
| 17.833 | 10.1347 | 7.26 | . | Q | . | . | . | V | . |
| 17.850 | 10.1446 | 7.22 | . | Q | . | . | . | V | . |
| 17.867 | 10.1545 | 7.18 | . | Q | . | . | . | V | . |
| 17.883 | 10.1643 | 7.14 | . | Q | . | . | . | V | . |
| 17.900 | 10.1741 | 7.11 | . | Q | . | . | . | V | . |
| 17.917 | 10.1839 | 7.07 | . | Q | . | . | . | V | . |
| 17.933 | 10.1935 | 7.03 | . | Q | . | . | . | V | . |
| 17.950 | 10.2032 | 6.99 | . | Q | . | . | . | V | . |
| 17.967 | 10.2128 | 6.95 | . | Q | . | . | . | V | . |
| 17.983 | 10.2223 | 6.92 | . | Q | . | . | . | V | . |
| 18.000 | 10.2318 | 6.88 | . | Q | . | . | . | V | . |
| 18.017 | 10.2412 | 6.84 | . | Q | . | . | . | V | . |
| 18.033 | 10.2506 | 6.80 | . | Q | . | . | . | V | . |
| 18.050 | 10.2599 | 6.77 | . | Q | . | . | . | V | . |
| 18.067 | 10.2691 | 6.73 | . | Q | . | . | . | V | . |
| 18.083 | 10.2784 | 6.69 | . | Q | . | . | . | V | . |
| 18.100 | 10.2875 | 6.65 | . | Q | . | . | . | V | . |
| 18.117 | 10.2966 | 6.62 | . | Q | . | . | . | V | . |
| 18.133 | 10.3057 | 6.58 | . | Q | . | . | . | V | . |
| 18.150 | 10.3147 | 6.54 | . | Q | . | . | . | V | . |

| | | | | | | | | | |
|--------|---------|------|---|---|---|---|---|---|---|
| 18.167 | 10.3236 | 6.49 | . | Q | . | . | . | V | . |
| 18.183 | 10.3325 | 6.41 | . | Q | . | . | . | V | . |
| 18.200 | 10.3412 | 6.34 | . | Q | . | . | . | V | . |
| 18.217 | 10.3498 | 6.26 | . | Q | . | . | . | V | . |
| 18.233 | 10.3583 | 6.19 | . | Q | . | . | . | V | . |
| 18.250 | 10.3668 | 6.11 | . | Q | . | . | . | V | . |
| 18.267 | 10.3751 | 6.04 | . | Q | . | . | . | V | . |
| 18.283 | 10.3833 | 5.96 | . | Q | . | . | . | V | . |
| 18.300 | 10.3914 | 5.89 | . | Q | . | . | . | V | . |
| 18.317 | 10.3994 | 5.81 | . | Q | . | . | . | V | . |
| 18.333 | 10.4073 | 5.74 | . | Q | . | . | . | V | . |
| 18.350 | 10.4151 | 5.66 | . | Q | . | . | . | V | . |
| 18.367 | 10.4228 | 5.59 | . | Q | . | . | . | V | . |
| 18.383 | 10.4304 | 5.51 | . | Q | . | . | . | V | . |
| 18.400 | 10.4379 | 5.44 | . | Q | . | . | . | V | . |
| 18.417 | 10.4453 | 5.36 | . | Q | . | . | . | V | . |
| 18.433 | 10.4525 | 5.29 | . | Q | . | . | . | V | . |
| 18.450 | 10.4597 | 5.21 | . | Q | . | . | . | V | . |
| 18.467 | 10.4668 | 5.14 | . | Q | . | . | . | V | . |
| 18.483 | 10.4738 | 5.06 | . | Q | . | . | . | V | . |
| 18.500 | 10.4807 | 4.99 | . | Q | . | . | . | V | . |
| 18.517 | 10.4874 | 4.92 | . | Q | . | . | . | V | . |
| 18.533 | 10.4942 | 4.89 | . | Q | . | . | . | V | . |
| 18.550 | 10.5009 | 4.87 | . | Q | . | . | . | V | . |
| 18.567 | 10.5075 | 4.85 | . | Q | . | . | . | V | . |
| 18.583 | 10.5142 | 4.83 | . | Q | . | . | . | V | . |
| 18.600 | 10.5208 | 4.81 | . | Q | . | . | . | V | . |
| 18.617 | 10.5274 | 4.79 | . | Q | . | . | . | V | . |
| 18.633 | 10.5340 | 4.77 | . | Q | . | . | . | V | . |
| 18.650 | 10.5405 | 4.75 | . | Q | . | . | . | V | . |
| 18.667 | 10.5470 | 4.73 | . | Q | . | . | . | V | . |
| 18.683 | 10.5535 | 4.71 | . | Q | . | . | . | V | . |
| 18.700 | 10.5600 | 4.69 | . | Q | . | . | . | V | . |
| 18.717 | 10.5664 | 4.67 | . | Q | . | . | . | V | . |
| 18.733 | 10.5728 | 4.65 | . | Q | . | . | . | V | . |
| 18.750 | 10.5792 | 4.63 | . | Q | . | . | . | V | . |
| 18.767 | 10.5855 | 4.61 | . | Q | . | . | . | V | . |
| 18.783 | 10.5918 | 4.58 | . | Q | . | . | . | V | . |
| 18.800 | 10.5981 | 4.56 | . | Q | . | . | . | V | . |
| 18.817 | 10.6044 | 4.54 | . | Q | . | . | . | V | . |
| 18.833 | 10.6106 | 4.52 | . | Q | . | . | . | V | . |
| 18.850 | 10.6168 | 4.50 | . | Q | . | . | . | V | . |
| 18.867 | 10.6230 | 4.48 | . | Q | . | . | . | V | . |
| 18.883 | 10.6291 | 4.46 | . | Q | . | . | . | V | . |
| 18.900 | 10.6353 | 4.45 | . | Q | . | . | . | V | . |
| 18.917 | 10.6414 | 4.43 | . | Q | . | . | . | V | . |
| 18.933 | 10.6474 | 4.42 | . | Q | . | . | . | V | . |
| 18.950 | 10.6535 | 4.40 | . | Q | . | . | . | V | . |
| 18.967 | 10.6595 | 4.38 | . | Q | . | . | . | V | . |
| 18.983 | 10.6656 | 4.37 | . | Q | . | . | . | V | . |
| 19.000 | 10.6716 | 4.35 | . | Q | . | . | . | V | . |
| 19.017 | 10.6775 | 4.34 | . | Q | . | . | . | V | . |
| 19.033 | 10.6835 | 4.32 | . | Q | . | . | . | V | . |
| 19.050 | 10.6894 | 4.30 | . | Q | . | . | . | V | . |
| 19.067 | 10.6953 | 4.29 | . | Q | . | . | . | V | . |
| 19.083 | 10.7012 | 4.27 | . | Q | . | . | . | V | . |
| 19.100 | 10.7071 | 4.25 | . | Q | . | . | . | V | . |
| 19.117 | 10.7129 | 4.24 | . | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 19.133 | 10.7187 | 4.22 | .Q | . | . | . | V | . |
| 19.150 | 10.7245 | 4.21 | .Q | . | . | . | V | . |
| 19.167 | 10.7303 | 4.19 | .Q | . | . | . | V | . |
| 19.183 | 10.7360 | 4.17 | .Q | . | . | . | V | . |
| 19.200 | 10.7417 | 4.16 | .Q | . | . | . | V | . |
| 19.217 | 10.7475 | 4.14 | .Q | . | . | . | V | . |
| 19.233 | 10.7531 | 4.13 | .Q | . | . | . | V | . |
| 19.250 | 10.7588 | 4.11 | .Q | . | . | . | V | . |
| 19.267 | 10.7644 | 4.10 | .Q | . | . | . | V | . |
| 19.283 | 10.7701 | 4.09 | .Q | . | . | . | V | . |
| 19.300 | 10.7757 | 4.07 | .Q | . | . | . | V | . |
| 19.317 | 10.7813 | 4.06 | .Q | . | . | . | V | . |
| 19.333 | 10.7868 | 4.05 | .Q | . | . | . | V | . |
| 19.350 | 10.7924 | 4.03 | .Q | . | . | . | V | . |
| 19.367 | 10.7979 | 4.02 | .Q | . | . | . | V | . |
| 19.383 | 10.8035 | 4.01 | .Q | . | . | . | V | . |
| 19.400 | 10.8089 | 3.99 | .Q | . | . | . | V | . |
| 19.417 | 10.8144 | 3.98 | .Q | . | . | . | V | . |
| 19.433 | 10.8199 | 3.97 | .Q | . | . | . | V | . |
| 19.450 | 10.8253 | 3.95 | .Q | . | . | . | V | . |
| 19.467 | 10.8308 | 3.94 | .Q | . | . | . | V | . |
| 19.483 | 10.8362 | 3.93 | .Q | . | . | . | V | . |
| 19.500 | 10.8416 | 3.91 | .Q | . | . | . | V | . |
| 19.517 | 10.8469 | 3.90 | .Q | . | . | . | V | . |
| 19.533 | 10.8523 | 3.89 | .Q | . | . | . | V | . |
| 19.550 | 10.8576 | 3.87 | .Q | . | . | . | V | . |
| 19.567 | 10.8629 | 3.86 | .Q | . | . | . | V | . |
| 19.583 | 10.8682 | 3.85 | .Q | . | . | . | V | . |
| 19.600 | 10.8735 | 3.83 | .Q | . | . | . | V | . |
| 19.617 | 10.8788 | 3.82 | .Q | . | . | . | V | . |
| 19.633 | 10.8840 | 3.81 | .Q | . | . | . | V | . |
| 19.650 | 10.8893 | 3.80 | .Q | . | . | . | V | . |
| 19.667 | 10.8945 | 3.79 | .Q | . | . | . | V | . |
| 19.683 | 10.8997 | 3.78 | .Q | . | . | . | V | . |
| 19.700 | 10.9049 | 3.77 | .Q | . | . | . | V | . |
| 19.717 | 10.9101 | 3.76 | .Q | . | . | . | V | . |
| 19.733 | 10.9152 | 3.75 | .Q | . | . | . | V | . |
| 19.750 | 10.9204 | 3.73 | .Q | . | . | . | V | . |
| 19.767 | 10.9255 | 3.72 | .Q | . | . | . | V | . |
| 19.783 | 10.9306 | 3.71 | .Q | . | . | . | V | . |
| 19.800 | 10.9357 | 3.70 | .Q | . | . | . | V | . |
| 19.817 | 10.9408 | 3.69 | .Q | . | . | . | V | . |
| 19.833 | 10.9459 | 3.68 | .Q | . | . | . | V | . |
| 19.850 | 10.9509 | 3.67 | .Q | . | . | . | V | . |
| 19.867 | 10.9559 | 3.66 | .Q | . | . | . | V | . |
| 19.883 | 10.9610 | 3.65 | .Q | . | . | . | V | . |
| 19.900 | 10.9660 | 3.63 | .Q | . | . | . | V | . |
| 19.917 | 10.9710 | 3.62 | .Q | . | . | . | V | . |
| 19.933 | 10.9759 | 3.61 | .Q | . | . | . | V | . |
| 19.950 | 10.9809 | 3.60 | .Q | . | . | . | V | . |
| 19.967 | 10.9859 | 3.59 | .Q | . | . | . | V | . |
| 19.983 | 10.9908 | 3.58 | .Q | . | . | . | V | . |
| 20.000 | 10.9957 | 3.57 | .Q | . | . | . | V | . |
| 20.017 | 11.0006 | 3.56 | .Q | . | . | . | V | . |
| 20.033 | 11.0055 | 3.55 | .Q | . | . | . | V | . |
| 20.050 | 11.0104 | 3.54 | .Q | . | . | . | V | . |
| 20.067 | 11.0153 | 3.54 | .Q | . | . | . | V | . |
| 20.083 | 11.0201 | 3.53 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 20.100 | 11.0250 | 3.52 | .Q | . | . | . | V | . |
| 20.117 | 11.0298 | 3.51 | .Q | . | . | . | V | . |
| 20.133 | 11.0346 | 3.50 | .Q | . | . | . | V | . |
| 20.150 | 11.0394 | 3.49 | .Q | . | . | . | V | . |
| 20.167 | 11.0442 | 3.48 | .Q | . | . | . | V | . |
| 20.183 | 11.0490 | 3.47 | .Q | . | . | . | V | . |
| 20.200 | 11.0537 | 3.46 | .Q | . | . | . | V | . |
| 20.217 | 11.0585 | 3.45 | .Q | . | . | . | V | . |
| 20.233 | 11.0632 | 3.44 | .Q | . | . | . | V | . |
| 20.250 | 11.0680 | 3.43 | .Q | . | . | . | V | . |
| 20.267 | 11.0727 | 3.42 | .Q | . | . | . | V | . |
| 20.283 | 11.0774 | 3.41 | .Q | . | . | . | V | . |
| 20.300 | 11.0821 | 3.40 | .Q | . | . | . | V | . |
| 20.317 | 11.0867 | 3.39 | .Q | . | . | . | V | . |
| 20.333 | 11.0914 | 3.39 | .Q | . | . | . | V | . |
| 20.350 | 11.0961 | 3.38 | .Q | . | . | . | V | . |
| 20.367 | 11.1007 | 3.37 | .Q | . | . | . | V | . |
| 20.383 | 11.1053 | 3.36 | .Q | . | . | . | V | . |
| 20.400 | 11.1099 | 3.35 | .Q | . | . | . | V | . |
| 20.417 | 11.1145 | 3.34 | .Q | . | . | . | V | . |
| 20.433 | 11.1191 | 3.34 | .Q | . | . | . | V | . |
| 20.450 | 11.1237 | 3.33 | .Q | . | . | . | V | . |
| 20.467 | 11.1283 | 3.32 | .Q | . | . | . | V | . |
| 20.483 | 11.1329 | 3.31 | .Q | . | . | . | V | . |
| 20.500 | 11.1374 | 3.30 | .Q | . | . | . | V | . |
| 20.517 | 11.1420 | 3.30 | .Q | . | . | . | V | . |
| 20.533 | 11.1465 | 3.29 | .Q | . | . | . | V | . |
| 20.550 | 11.1510 | 3.28 | .Q | . | . | . | V | . |
| 20.567 | 11.1555 | 3.27 | .Q | . | . | . | V | . |
| 20.583 | 11.1600 | 3.26 | .Q | . | . | . | V | . |
| 20.600 | 11.1645 | 3.25 | .Q | . | . | . | V | . |
| 20.617 | 11.1690 | 3.25 | .Q | . | . | . | V | . |
| 20.633 | 11.1734 | 3.24 | .Q | . | . | . | V | . |
| 20.650 | 11.1779 | 3.23 | .Q | . | . | . | V | . |
| 20.667 | 11.1823 | 3.22 | .Q | . | . | . | V | . |
| 20.683 | 11.1867 | 3.21 | .Q | . | . | . | V | . |
| 20.700 | 11.1911 | 3.21 | .Q | . | . | . | V | . |
| 20.717 | 11.1956 | 3.20 | .Q | . | . | . | V | . |
| 20.733 | 11.2000 | 3.19 | .Q | . | . | . | V | . |
| 20.750 | 11.2043 | 3.19 | .Q | . | . | . | V | . |
| 20.767 | 11.2087 | 3.18 | .Q | . | . | . | V | . |
| 20.783 | 11.2131 | 3.17 | .Q | . | . | . | V | . |
| 20.800 | 11.2175 | 3.16 | .Q | . | . | . | V | . |
| 20.817 | 11.2218 | 3.16 | .Q | . | . | . | V | . |
| 20.833 | 11.2261 | 3.15 | .Q | . | . | . | V | . |
| 20.850 | 11.2305 | 3.14 | .Q | . | . | . | V | . |
| 20.867 | 11.2348 | 3.14 | .Q | . | . | . | V | . |
| 20.883 | 11.2391 | 3.13 | .Q | . | . | . | V | . |
| 20.900 | 11.2434 | 3.12 | .Q | . | . | . | V | . |
| 20.917 | 11.2477 | 3.11 | .Q | . | . | . | V | . |
| 20.933 | 11.2520 | 3.11 | .Q | . | . | . | V | . |
| 20.950 | 11.2562 | 3.10 | .Q | . | . | . | V | . |
| 20.967 | 11.2605 | 3.09 | .Q | . | . | . | V | . |
| 20.983 | 11.2647 | 3.09 | .Q | . | . | . | V | . |
| 21.000 | 11.2690 | 3.08 | .Q | . | . | . | V | . |
| 21.017 | 11.2732 | 3.07 | .Q | . | . | . | V | . |
| 21.033 | 11.2774 | 3.06 | .Q | . | . | . | V | . |
| 21.050 | 11.2817 | 3.06 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 21.067 | 11.2859 | 3.05 | .Q | . | . | . | V | . |
| 21.083 | 11.2901 | 3.05 | .Q | . | . | . | V | . |
| 21.100 | 11.2942 | 3.04 | .Q | . | . | . | V | . |
| 21.117 | 11.2984 | 3.03 | .Q | . | . | . | V | . |
| 21.133 | 11.3026 | 3.03 | .Q | . | . | . | V | . |
| 21.150 | 11.3067 | 3.02 | .Q | . | . | . | V | . |
| 21.167 | 11.3109 | 3.01 | .Q | . | . | . | V | . |
| 21.183 | 11.3150 | 3.01 | .Q | . | . | . | V | . |
| 21.200 | 11.3192 | 3.00 | .Q | . | . | . | V | . |
| 21.217 | 11.3233 | 3.00 | .Q | . | . | . | V | . |
| 21.233 | 11.3274 | 2.99 | .Q | . | . | . | V | . |
| 21.250 | 11.3315 | 2.98 | .Q | . | . | . | V | . |
| 21.267 | 11.3356 | 2.98 | .Q | . | . | . | V | . |
| 21.283 | 11.3397 | 2.97 | .Q | . | . | . | V | . |
| 21.300 | 11.3438 | 2.96 | .Q | . | . | . | V | . |
| 21.317 | 11.3479 | 2.96 | .Q | . | . | . | V | . |
| 21.333 | 11.3519 | 2.95 | .Q | . | . | . | V | . |
| 21.350 | 11.3560 | 2.94 | .Q | . | . | . | V | . |
| 21.367 | 11.3600 | 2.94 | .Q | . | . | . | V | . |
| 21.383 | 11.3641 | 2.93 | .Q | . | . | . | V | . |
| 21.400 | 11.3681 | 2.93 | .Q | . | . | . | V | . |
| 21.417 | 11.3721 | 2.92 | .Q | . | . | . | V | . |
| 21.433 | 11.3761 | 2.91 | .Q | . | . | . | V | . |
| 21.450 | 11.3802 | 2.91 | .Q | . | . | . | V | . |
| 21.467 | 11.3842 | 2.90 | .Q | . | . | . | V | . |
| 21.483 | 11.3881 | 2.90 | .Q | . | . | . | V | . |
| 21.500 | 11.3921 | 2.89 | .Q | . | . | . | V | . |
| 21.517 | 11.3961 | 2.89 | .Q | . | . | . | V | . |
| 21.533 | 11.4001 | 2.88 | .Q | . | . | . | V | . |
| 21.550 | 11.4040 | 2.88 | .Q | . | . | . | V | . |
| 21.567 | 11.4080 | 2.87 | .Q | . | . | . | V | . |
| 21.583 | 11.4119 | 2.86 | .Q | . | . | . | V | . |
| 21.600 | 11.4159 | 2.86 | .Q | . | . | . | V | . |
| 21.617 | 11.4198 | 2.85 | .Q | . | . | . | V | . |
| 21.633 | 11.4237 | 2.85 | .Q | . | . | . | V | . |
| 21.650 | 11.4276 | 2.84 | .Q | . | . | . | V | . |
| 21.667 | 11.4315 | 2.84 | .Q | . | . | . | V | . |
| 21.683 | 11.4354 | 2.83 | .Q | . | . | . | V | . |
| 21.700 | 11.4393 | 2.82 | .Q | . | . | . | V | . |
| 21.717 | 11.4432 | 2.82 | .Q | . | . | . | V | . |
| 21.733 | 11.4471 | 2.81 | .Q | . | . | . | V | . |
| 21.750 | 11.4510 | 2.81 | .Q | . | . | . | V | . |
| 21.767 | 11.4548 | 2.80 | .Q | . | . | . | V | . |
| 21.783 | 11.4587 | 2.80 | .Q | . | . | . | V | . |
| 21.800 | 11.4625 | 2.79 | .Q | . | . | . | V | . |
| 21.817 | 11.4664 | 2.79 | .Q | . | . | . | V | . |
| 21.833 | 11.4702 | 2.78 | .Q | . | . | . | V | . |
| 21.850 | 11.4740 | 2.78 | .Q | . | . | . | V | . |
| 21.867 | 11.4778 | 2.77 | .Q | . | . | . | V | . |
| 21.883 | 11.4817 | 2.77 | .Q | . | . | . | V | . |
| 21.900 | 11.4855 | 2.76 | .Q | . | . | . | V | . |
| 21.917 | 11.4893 | 2.76 | .Q | . | . | . | V | . |
| 21.933 | 11.4930 | 2.75 | .Q | . | . | . | V | . |
| 21.950 | 11.4968 | 2.75 | .Q | . | . | . | V | . |
| 21.967 | 11.5006 | 2.74 | .Q | . | . | . | V | . |
| 21.983 | 11.5044 | 2.74 | .Q | . | . | . | V | . |
| 22.000 | 11.5081 | 2.73 | .Q | . | . | . | V | . |
| 22.017 | 11.5119 | 2.73 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 22.033 | 11.5156 | 2.72 | .Q | . | . | . | V | . |
| 22.050 | 11.5194 | 2.72 | .Q | . | . | . | V | . |
| 22.067 | 11.5231 | 2.71 | .Q | . | . | . | V | . |
| 22.083 | 11.5268 | 2.71 | .Q | . | . | . | V | . |
| 22.100 | 11.5306 | 2.70 | .Q | . | . | . | V | . |
| 22.117 | 11.5343 | 2.70 | .Q | . | . | . | V | . |
| 22.133 | 11.5380 | 2.69 | .Q | . | . | . | V | . |
| 22.150 | 11.5417 | 2.69 | .Q | . | . | . | V | . |
| 22.167 | 11.5454 | 2.68 | .Q | . | . | . | V | . |
| 22.183 | 11.5491 | 2.68 | .Q | . | . | . | V | . |
| 22.200 | 11.5528 | 2.67 | .Q | . | . | . | V | . |
| 22.217 | 11.5564 | 2.67 | .Q | . | . | . | V | . |
| 22.233 | 11.5601 | 2.66 | .Q | . | . | . | V | . |
| 22.250 | 11.5638 | 2.66 | .Q | . | . | . | V | . |
| 22.267 | 11.5674 | 2.66 | .Q | . | . | . | V | . |
| 22.283 | 11.5711 | 2.65 | .Q | . | . | . | V | . |
| 22.300 | 11.5747 | 2.65 | .Q | . | . | . | V | . |
| 22.317 | 11.5784 | 2.64 | .Q | . | . | . | V | . |
| 22.333 | 11.5820 | 2.64 | .Q | . | . | . | V | . |
| 22.350 | 11.5856 | 2.63 | .Q | . | . | . | V | . |
| 22.367 | 11.5892 | 2.63 | .Q | . | . | . | V | . |
| 22.383 | 11.5929 | 2.62 | .Q | . | . | . | V | . |
| 22.400 | 11.5965 | 2.62 | .Q | . | . | . | V | . |
| 22.417 | 11.6001 | 2.61 | .Q | . | . | . | V | . |
| 22.433 | 11.6037 | 2.61 | .Q | . | . | . | V | . |
| 22.450 | 11.6073 | 2.61 | .Q | . | . | . | V | . |
| 22.467 | 11.6108 | 2.60 | .Q | . | . | . | V | . |
| 22.483 | 11.6144 | 2.60 | .Q | . | . | . | V | . |
| 22.500 | 11.6180 | 2.59 | .Q | . | . | . | V | . |
| 22.517 | 11.6215 | 2.59 | .Q | . | . | . | V | . |
| 22.533 | 11.6251 | 2.58 | .Q | . | . | . | V | . |
| 22.550 | 11.6287 | 2.58 | .Q | . | . | . | V | . |
| 22.567 | 11.6322 | 2.58 | .Q | . | . | . | V | . |
| 22.583 | 11.6357 | 2.57 | .Q | . | . | . | V | . |
| 22.600 | 11.6393 | 2.57 | .Q | . | . | . | V | . |
| 22.617 | 11.6428 | 2.56 | .Q | . | . | . | V | . |
| 22.633 | 11.6463 | 2.56 | .Q | . | . | . | V | . |
| 22.650 | 11.6499 | 2.55 | .Q | . | . | . | V | . |
| 22.667 | 11.6534 | 2.55 | .Q | . | . | . | V | . |
| 22.683 | 11.6569 | 2.55 | .Q | . | . | . | V | . |
| 22.700 | 11.6604 | 2.54 | .Q | . | . | . | V | . |
| 22.717 | 11.6639 | 2.54 | .Q | . | . | . | V | . |
| 22.733 | 11.6674 | 2.53 | .Q | . | . | . | V | . |
| 22.750 | 11.6709 | 2.53 | .Q | . | . | . | V | . |
| 22.767 | 11.6743 | 2.53 | .Q | . | . | . | V | . |
| 22.783 | 11.6778 | 2.52 | .Q | . | . | . | V | . |
| 22.800 | 11.6813 | 2.52 | .Q | . | . | . | V | . |
| 22.817 | 11.6847 | 2.51 | .Q | . | . | . | V | . |
| 22.833 | 11.6882 | 2.51 | .Q | . | . | . | V | . |
| 22.850 | 11.6916 | 2.51 | .Q | . | . | . | V | . |
| 22.867 | 11.6951 | 2.50 | .Q | . | . | . | V | . |
| 22.883 | 11.6985 | 2.50 | .Q | . | . | . | V | . |
| 22.900 | 11.7020 | 2.49 | .Q | . | . | . | V | . |
| 22.917 | 11.7054 | 2.49 | .Q | . | . | . | V | . |
| 22.933 | 11.7088 | 2.49 | .Q | . | . | . | V | . |
| 22.950 | 11.7122 | 2.48 | .Q | . | . | . | V | . |
| 22.967 | 11.7157 | 2.48 | .Q | . | . | . | V | . |
| 22.983 | 11.7191 | 2.47 | .Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|----|---|---|---|----|
| 23.000 | 11.7225 | 2.47 | .Q | . | . | . | V. |
| 23.017 | 11.7259 | 2.47 | .Q | . | . | . | V. |
| 23.033 | 11.7293 | 2.46 | .Q | . | . | . | V. |
| 23.050 | 11.7326 | 2.46 | .Q | . | . | . | V. |
| 23.067 | 11.7360 | 2.46 | .Q | . | . | . | V. |
| 23.083 | 11.7394 | 2.45 | .Q | . | . | . | V. |
| 23.100 | 11.7428 | 2.45 | .Q | . | . | . | V. |
| 23.117 | 11.7461 | 2.44 | .Q | . | . | . | V. |
| 23.133 | 11.7495 | 2.44 | .Q | . | . | . | V. |
| 23.150 | 11.7529 | 2.44 | .Q | . | . | . | V. |
| 23.167 | 11.7562 | 2.43 | .Q | . | . | . | V. |
| 23.183 | 11.7596 | 2.43 | .Q | . | . | . | V. |
| 23.200 | 11.7629 | 2.43 | .Q | . | . | . | V. |
| 23.217 | 11.7662 | 2.42 | .Q | . | . | . | V. |
| 23.233 | 11.7696 | 2.42 | .Q | . | . | . | V. |
| 23.250 | 11.7729 | 2.42 | .Q | . | . | . | V. |
| 23.267 | 11.7762 | 2.41 | .Q | . | . | . | V. |
| 23.283 | 11.7795 | 2.41 | .Q | . | . | . | V. |
| 23.300 | 11.7828 | 2.40 | .Q | . | . | . | V. |
| 23.317 | 11.7862 | 2.40 | .Q | . | . | . | V. |
| 23.333 | 11.7895 | 2.40 | .Q | . | . | . | V. |
| 23.350 | 11.7928 | 2.39 | .Q | . | . | . | V. |
| 23.367 | 11.7961 | 2.39 | .Q | . | . | . | V. |
| 23.383 | 11.7993 | 2.39 | .Q | . | . | . | V. |
| 23.400 | 11.8026 | 2.38 | .Q | . | . | . | V. |
| 23.417 | 11.8059 | 2.38 | .Q | . | . | . | V. |
| 23.433 | 11.8092 | 2.38 | .Q | . | . | . | V. |
| 23.450 | 11.8124 | 2.37 | .Q | . | . | . | V. |
| 23.467 | 11.8157 | 2.37 | .Q | . | . | . | V. |
| 23.483 | 11.8190 | 2.37 | .Q | . | . | . | V. |
| 23.500 | 11.8222 | 2.36 | .Q | . | . | . | V. |
| 23.517 | 11.8255 | 2.36 | .Q | . | . | . | V. |
| 23.533 | 11.8287 | 2.36 | .Q | . | . | . | V. |
| 23.550 | 11.8320 | 2.35 | .Q | . | . | . | V. |
| 23.567 | 11.8352 | 2.35 | .Q | . | . | . | V. |
| 23.583 | 11.8384 | 2.35 | .Q | . | . | . | V. |
| 23.600 | 11.8416 | 2.34 | .Q | . | . | . | V. |
| 23.617 | 11.8449 | 2.34 | .Q | . | . | . | V. |
| 23.633 | 11.8481 | 2.34 | .Q | . | . | . | V. |
| 23.650 | 11.8513 | 2.33 | .Q | . | . | . | V. |
| 23.667 | 11.8545 | 2.33 | .Q | . | . | . | V. |
| 23.683 | 11.8577 | 2.33 | .Q | . | . | . | V. |
| 23.700 | 11.8609 | 2.32 | .Q | . | . | . | V. |
| 23.717 | 11.8641 | 2.32 | .Q | . | . | . | V. |
| 23.733 | 11.8673 | 2.32 | .Q | . | . | . | V. |
| 23.750 | 11.8705 | 2.31 | .Q | . | . | . | V. |
| 23.767 | 11.8737 | 2.31 | .Q | . | . | . | V. |
| 23.783 | 11.8768 | 2.31 | .Q | . | . | . | V. |
| 23.800 | 11.8800 | 2.30 | .Q | . | . | . | V. |
| 23.817 | 11.8832 | 2.30 | .Q | . | . | . | V. |
| 23.833 | 11.8864 | 2.30 | .Q | . | . | . | V. |
| 23.850 | 11.8895 | 2.29 | .Q | . | . | . | V. |
| 23.867 | 11.8927 | 2.29 | .Q | . | . | . | V. |
| 23.883 | 11.8958 | 2.29 | .Q | . | . | . | V. |
| 23.900 | 11.8990 | 2.28 | .Q | . | . | . | V. |
| 23.917 | 11.9021 | 2.28 | .Q | . | . | . | V. |
| 23.933 | 11.9052 | 2.28 | .Q | . | . | . | V. |
| 23.950 | 11.9084 | 2.28 | .Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|----|---|---|---|----|
| 23.967 | 11.9115 | 2.27 | .Q | . | . | . | V. |
| 23.983 | 11.9146 | 2.27 | .Q | . | . | . | V. |
| 24.000 | 11.9178 | 2.27 | .Q | . | . | . | V. |
| 24.017 | 11.9209 | 2.26 | .Q | . | . | . | V. |
| 24.033 | 11.9240 | 2.26 | .Q | . | . | . | V. |
| 24.050 | 11.9271 | 2.26 | .Q | . | . | . | V. |
| 24.067 | 11.9302 | 2.25 | .Q | . | . | . | V. |
| 24.083 | 11.9333 | 2.25 | .Q | . | . | . | V. |
| 24.100 | 11.9364 | 2.25 | .Q | . | . | . | V. |
| 24.117 | 11.9395 | 2.25 | .Q | . | . | . | V. |
| 24.133 | 11.9426 | 2.24 | .Q | . | . | . | V. |
| 24.150 | 11.9457 | 2.24 | .Q | . | . | . | V. |
| 24.167 | 11.9488 | 2.24 | .Q | . | . | . | V. |
| 24.183 | 11.9518 | 2.23 | .Q | . | . | . | V. |
| 24.200 | 11.9549 | 2.23 | .Q | . | . | . | V. |
| 24.217 | 11.9580 | 2.23 | .Q | . | . | . | V. |
| 24.233 | 11.9610 | 2.23 | .Q | . | . | . | V. |
| 24.250 | 11.9641 | 2.22 | .Q | . | . | . | V. |
| 24.267 | 11.9670 | 2.14 | .Q | . | . | . | V. |
| 24.283 | 11.9699 | 2.04 | .Q | . | . | . | V. |
| 24.300 | 11.9725 | 1.94 | Q | . | . | . | V. |
| 24.317 | 11.9750 | 1.83 | Q | . | . | . | V. |
| 24.333 | 11.9774 | 1.73 | Q | . | . | . | V. |
| 24.350 | 11.9797 | 1.63 | Q | . | . | . | V. |
| 24.367 | 11.9818 | 1.52 | Q | . | . | . | V. |
| 24.383 | 11.9837 | 1.42 | Q | . | . | . | V. |
| 24.400 | 11.9855 | 1.32 | Q | . | . | . | V. |
| 24.417 | 11.9872 | 1.21 | Q | . | . | . | V. |
| 24.433 | 11.9887 | 1.11 | Q | . | . | . | V. |
| 24.450 | 11.9901 | 1.01 | Q | . | . | . | V. |
| 24.467 | 11.9914 | 0.90 | Q | . | . | . | V. |
| 24.483 | 11.9925 | 0.80 | Q | . | . | . | V. |
| 24.500 | 11.9934 | 0.70 | Q | . | . | . | V. |
| 24.517 | 11.9942 | 0.59 | Q | . | . | . | V. |
| 24.533 | 11.9949 | 0.49 | Q | . | . | . | V. |
| 24.550 | 11.9954 | 0.39 | Q | . | . | . | V. |
| 24.567 | 11.9958 | 0.28 | Q | . | . | . | V. |
| 24.583 | 11.9961 | 0.18 | Q | . | . | . | V. |
| 24.600 | 11.9962 | 0.08 | 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% | 1476.0 |
| 10% | 1105.0 |
| 20% | 320.0 |
| 30% | 195.0 |
| 40% | 165.0 |
| 50% | 140.0 |
| 60% | 110.0 |
| 70% | 80.0 |
| 80% | 55.0 |
| 90% | 25.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED B *
* SMALL AREA HYDROGRAPH - SINGLE AREA MODEL *
* 5-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3B05EVS.DAT
TIME/DATE OF STUDY: 15:44 07/14/2022

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 210.00 TO NODE 231.00 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) = 213.70
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.213
LOW LOSS FRACTION = 0.443
TIME OF CONCENTRATION (MIN.) = 19.59
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.18
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.41
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.55
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.92
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.27
24-HOUR POINT RAINFALL VALUE (INCHES) = 2.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 20.09

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 17.67

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. | 39.4 | 78.8 | 118.2 | 157.6 |
|------------|-------------|---------|----|------|------|-------|-------|
| 0.017 | 0.0001 | 0.09 | Q | . | . | . | . |
| 0.033 | 0.0005 | 0.27 | Q | . | . | . | . |
| 0.050 | 0.0011 | 0.45 | Q | . | . | . | . |
| 0.067 | 0.0020 | 0.62 | Q | . | . | . | . |
| 0.083 | 0.0031 | 0.80 | Q | . | . | . | . |
| 0.100 | 0.0044 | 0.98 | Q | . | . | . | . |
| 0.117 | 0.0060 | 1.16 | Q | . | . | . | . |
| 0.133 | 0.0079 | 1.34 | Q | . | . | . | . |
| 0.150 | 0.0099 | 1.51 | Q | . | . | . | . |
| 0.167 | 0.0123 | 1.69 | Q | . | . | . | . |
| 0.183 | 0.0148 | 1.87 | Q | . | . | . | . |
| 0.200 | 0.0177 | 2.05 | Q | . | . | . | . |
| 0.217 | 0.0207 | 2.23 | Q | . | . | . | . |
| 0.233 | 0.0240 | 2.40 | Q | . | . | . | . |
| 0.250 | 0.0276 | 2.58 | Q | . | . | . | . |
| 0.267 | 0.0314 | 2.76 | Q | . | . | . | . |
| 0.283 | 0.0355 | 2.94 | Q | . | . | . | . |
| 0.300 | 0.0397 | 3.12 | Q | . | . | . | . |
| 0.317 | 0.0443 | 3.30 | Q | . | . | . | . |
| 0.333 | 0.0491 | 3.46 | Q | . | . | . | . |
| 0.350 | 0.0539 | 3.51 | Q | . | . | . | . |
| 0.367 | 0.0587 | 3.51 | Q | . | . | . | . |
| 0.383 | 0.0636 | 3.51 | Q | . | . | . | . |
| 0.400 | 0.0684 | 3.52 | Q | . | . | . | . |
| 0.417 | 0.0733 | 3.52 | Q | . | . | . | . |
| 0.433 | 0.0781 | 3.52 | Q | . | . | . | . |
| 0.450 | 0.0830 | 3.52 | Q | . | . | . | . |
| 0.467 | 0.0878 | 3.53 | Q | . | . | . | . |
| 0.483 | 0.0927 | 3.53 | Q | . | . | . | . |
| 0.500 | 0.0975 | 3.53 | Q | . | . | . | . |
| 0.517 | 0.1024 | 3.54 | Q | . | . | . | . |
| 0.533 | 0.1073 | 3.54 | Q | . | . | . | . |
| 0.550 | 0.1122 | 3.54 | Q | . | . | . | . |
| 0.567 | 0.1170 | 3.54 | Q | . | . | . | . |
| 0.583 | 0.1219 | 3.55 | Q | . | . | . | . |
| 0.600 | 0.1268 | 3.55 | Q | . | . | . | . |
| 0.617 | 0.1317 | 3.55 | Q | . | . | . | . |
| 0.633 | 0.1366 | 3.55 | Q | . | . | . | . |
| 0.650 | 0.1415 | 3.56 | Q | . | . | . | . |
| 0.667 | 0.1464 | 3.56 | Q | . | . | . | . |
| 0.683 | 0.1513 | 3.56 | Q | . | . | . | . |
| 0.700 | 0.1562 | 3.56 | Q | . | . | . | . |
| 0.717 | 0.1611 | 3.56 | Q | . | . | . | . |
| 0.733 | 0.1660 | 3.57 | Q | . | . | . | . |
| 0.750 | 0.1710 | 3.57 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|---|---|---|---|---|
| 0.767 | 0.1759 | 3.57 | Q | . | . | . | . |
| 0.783 | 0.1808 | 3.57 | Q | . | . | . | . |
| 0.800 | 0.1857 | 3.57 | Q | . | . | . | . |
| 0.817 | 0.1906 | 3.57 | Q | . | . | . | . |
| 0.833 | 0.1956 | 3.58 | Q | . | . | . | . |
| 0.850 | 0.2005 | 3.58 | Q | . | . | . | . |
| 0.867 | 0.2054 | 3.58 | Q | . | . | . | . |
| 0.883 | 0.2103 | 3.58 | Q | . | . | . | . |
| 0.900 | 0.2153 | 3.58 | Q | . | . | . | . |
| 0.917 | 0.2202 | 3.58 | Q | . | . | . | . |
| 0.933 | 0.2252 | 3.59 | Q | . | . | . | . |
| 0.950 | 0.2301 | 3.59 | Q | . | . | . | . |
| 0.967 | 0.2350 | 3.59 | Q | . | . | . | . |
| 0.983 | 0.2400 | 3.59 | Q | . | . | . | . |
| 1.000 | 0.2449 | 3.59 | Q | . | . | . | . |
| 1.017 | 0.2499 | 3.60 | Q | . | . | . | . |
| 1.033 | 0.2548 | 3.60 | Q | . | . | . | . |
| 1.050 | 0.2598 | 3.60 | Q | . | . | . | . |
| 1.067 | 0.2648 | 3.61 | Q | . | . | . | . |
| 1.083 | 0.2698 | 3.61 | Q | . | . | . | . |
| 1.100 | 0.2747 | 3.61 | Q | . | . | . | . |
| 1.117 | 0.2797 | 3.62 | Q | . | . | . | . |
| 1.133 | 0.2847 | 3.62 | Q | . | . | . | . |
| 1.150 | 0.2897 | 3.62 | Q | . | . | . | . |
| 1.167 | 0.2947 | 3.63 | Q | . | . | . | . |
| 1.183 | 0.2997 | 3.63 | Q | . | . | . | . |
| 1.200 | 0.3047 | 3.63 | Q | . | . | . | . |
| 1.217 | 0.3097 | 3.64 | Q | . | . | . | . |
| 1.233 | 0.3147 | 3.64 | Q | . | . | . | . |
| 1.250 | 0.3197 | 3.64 | Q | . | . | . | . |
| 1.267 | 0.3248 | 3.65 | Q | . | . | . | . |
| 1.283 | 0.3298 | 3.65 | Q | . | . | . | . |
| 1.300 | 0.3348 | 3.65 | Q | . | . | . | . |
| 1.317 | 0.3398 | 3.66 | Q | . | . | . | . |
| 1.333 | 0.3449 | 3.66 | Q | . | . | . | . |
| 1.350 | 0.3499 | 3.66 | Q | . | . | . | . |
| 1.367 | 0.3550 | 3.66 | Q | . | . | . | . |
| 1.383 | 0.3600 | 3.66 | Q | . | . | . | . |
| 1.400 | 0.3651 | 3.67 | Q | . | . | . | . |
| 1.417 | 0.3701 | 3.67 | Q | . | . | . | . |
| 1.433 | 0.3752 | 3.67 | Q | . | . | . | . |
| 1.450 | 0.3802 | 3.67 | Q | . | . | . | . |
| 1.467 | 0.3853 | 3.67 | Q | . | . | . | . |
| 1.483 | 0.3904 | 3.67 | Q | . | . | . | . |
| 1.500 | 0.3954 | 3.68 | Q | . | . | . | . |
| 1.517 | 0.4005 | 3.68 | Q | . | . | . | . |
| 1.533 | 0.4055 | 3.68 | Q | . | . | . | . |
| 1.550 | 0.4106 | 3.68 | Q | . | . | . | . |
| 1.567 | 0.4157 | 3.68 | Q | . | . | . | . |
| 1.583 | 0.4208 | 3.68 | Q | . | . | . | . |
| 1.600 | 0.4258 | 3.69 | Q | . | . | . | . |
| 1.617 | 0.4309 | 3.69 | Q | . | . | . | . |
| 1.633 | 0.4360 | 3.69 | Q | . | . | . | . |
| 1.650 | 0.4411 | 3.69 | Q | . | . | . | . |
| 1.667 | 0.4462 | 3.70 | Q | . | . | . | . |
| 1.683 | 0.4513 | 3.70 | Q | . | . | . | . |
| 1.700 | 0.4564 | 3.70 | Q | . | . | . | . |
| 1.717 | 0.4615 | 3.71 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 0.4666 | 3.71 | Q | . | . | . | . |
| 1.750 | 0.4717 | 3.71 | Q | . | . | . | . |
| 1.767 | 0.4768 | 3.72 | Q | . | . | . | . |
| 1.783 | 0.4820 | 3.72 | Q | . | . | . | . |
| 1.800 | 0.4871 | 3.72 | Q | . | . | . | . |
| 1.817 | 0.4922 | 3.73 | Q | . | . | . | . |
| 1.833 | 0.4974 | 3.73 | Q | . | . | . | . |
| 1.850 | 0.5025 | 3.74 | QV | . | . | . | . |
| 1.867 | 0.5077 | 3.74 | QV | . | . | . | . |
| 1.883 | 0.5128 | 3.74 | QV | . | . | . | . |
| 1.900 | 0.5180 | 3.75 | QV | . | . | . | . |
| 1.917 | 0.5231 | 3.75 | QV | . | . | . | . |
| 1.933 | 0.5283 | 3.75 | QV | . | . | . | . |
| 1.950 | 0.5335 | 3.76 | QV | . | . | . | . |
| 1.967 | 0.5387 | 3.76 | QV | . | . | . | . |
| 1.983 | 0.5439 | 3.76 | QV | . | . | . | . |
| 2.000 | 0.5490 | 3.76 | QV | . | . | . | . |
| 2.017 | 0.5542 | 3.77 | QV | . | . | . | . |
| 2.033 | 0.5594 | 3.77 | QV | . | . | . | . |
| 2.050 | 0.5646 | 3.77 | QV | . | . | . | . |
| 2.067 | 0.5698 | 3.77 | QV | . | . | . | . |
| 2.083 | 0.5750 | 3.77 | QV | . | . | . | . |
| 2.100 | 0.5802 | 3.78 | QV | . | . | . | . |
| 2.117 | 0.5854 | 3.78 | QV | . | . | . | . |
| 2.133 | 0.5906 | 3.78 | QV | . | . | . | . |
| 2.150 | 0.5958 | 3.78 | QV | . | . | . | . |
| 2.167 | 0.6010 | 3.78 | QV | . | . | . | . |
| 2.183 | 0.6063 | 3.79 | QV | . | . | . | . |
| 2.200 | 0.6115 | 3.79 | QV | . | . | . | . |
| 2.217 | 0.6167 | 3.79 | QV | . | . | . | . |
| 2.233 | 0.6219 | 3.79 | QV | . | . | . | . |
| 2.250 | 0.6271 | 3.79 | QV | . | . | . | . |
| 2.267 | 0.6324 | 3.79 | QV | . | . | . | . |
| 2.283 | 0.6376 | 3.80 | QV | . | . | . | . |
| 2.300 | 0.6428 | 3.80 | QV | . | . | . | . |
| 2.317 | 0.6481 | 3.80 | QV | . | . | . | . |
| 2.333 | 0.6533 | 3.81 | QV | . | . | . | . |
| 2.350 | 0.6586 | 3.81 | QV | . | . | . | . |
| 2.367 | 0.6638 | 3.81 | QV | . | . | . | . |
| 2.383 | 0.6691 | 3.82 | QV | . | . | . | . |
| 2.400 | 0.6743 | 3.82 | QV | . | . | . | . |
| 2.417 | 0.6796 | 3.83 | QV | . | . | . | . |
| 2.433 | 0.6849 | 3.83 | QV | . | . | . | . |
| 2.450 | 0.6902 | 3.83 | QV | . | . | . | . |
| 2.467 | 0.6955 | 3.84 | QV | . | . | . | . |
| 2.483 | 0.7007 | 3.84 | QV | . | . | . | . |
| 2.500 | 0.7060 | 3.85 | QV | . | . | . | . |
| 2.517 | 0.7113 | 3.85 | QV | . | . | . | . |
| 2.533 | 0.7167 | 3.85 | QV | . | . | . | . |
| 2.550 | 0.7220 | 3.86 | QV | . | . | . | . |
| 2.567 | 0.7273 | 3.86 | QV | . | . | . | . |
| 2.583 | 0.7326 | 3.87 | QV | . | . | . | . |
| 2.600 | 0.7379 | 3.87 | QV | . | . | . | . |
| 2.617 | 0.7433 | 3.87 | QV | . | . | . | . |
| 2.633 | 0.7486 | 3.88 | QV | . | . | . | . |
| 2.650 | 0.7540 | 3.88 | QV | . | . | . | . |
| 2.667 | 0.7593 | 3.88 | QV | . | . | . | . |
| 2.683 | 0.7646 | 3.88 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 2.700 | 0.7700 | 3.88 | QV | . | . | . | . |
| 2.717 | 0.7753 | 3.89 | QV | . | . | . | . |
| 2.733 | 0.7807 | 3.89 | QV | . | . | . | . |
| 2.750 | 0.7861 | 3.89 | QV | . | . | . | . |
| 2.767 | 0.7914 | 3.89 | QV | . | . | . | . |
| 2.783 | 0.7968 | 3.89 | QV | . | . | . | . |
| 2.800 | 0.8022 | 3.90 | QV | . | . | . | . |
| 2.817 | 0.8075 | 3.90 | QV | . | . | . | . |
| 2.833 | 0.8129 | 3.90 | QV | . | . | . | . |
| 2.850 | 0.8183 | 3.90 | QV | . | . | . | . |
| 2.867 | 0.8236 | 3.90 | QV | . | . | . | . |
| 2.883 | 0.8290 | 3.91 | QV | . | . | . | . |
| 2.900 | 0.8344 | 3.91 | QV | . | . | . | . |
| 2.917 | 0.8398 | 3.91 | QV | . | . | . | . |
| 2.933 | 0.8452 | 3.91 | QV | . | . | . | . |
| 2.950 | 0.8506 | 3.91 | QV | . | . | . | . |
| 2.967 | 0.8560 | 3.92 | QV | . | . | . | . |
| 2.983 | 0.8614 | 3.92 | QV | . | . | . | . |
| 3.000 | 0.8668 | 3.93 | QV | . | . | . | . |
| 3.017 | 0.8722 | 3.93 | QV | . | . | . | . |
| 3.033 | 0.8776 | 3.94 | QV | . | . | . | . |
| 3.050 | 0.8830 | 3.94 | QV | . | . | . | . |
| 3.067 | 0.8885 | 3.94 | .Q | . | . | . | . |
| 3.083 | 0.8939 | 3.95 | .Q | . | . | . | . |
| 3.100 | 0.8994 | 3.95 | .Q | . | . | . | . |
| 3.117 | 0.9048 | 3.96 | .Q | . | . | . | . |
| 3.133 | 0.9103 | 3.96 | .Q | . | . | . | . |
| 3.150 | 0.9157 | 3.96 | .Q | . | . | . | . |
| 3.167 | 0.9212 | 3.97 | .Q | . | . | . | . |
| 3.183 | 0.9267 | 3.97 | .Q | . | . | . | . |
| 3.200 | 0.9321 | 3.98 | .Q | . | . | . | . |
| 3.217 | 0.9376 | 3.98 | .Q | . | . | . | . |
| 3.233 | 0.9431 | 3.99 | .Q | . | . | . | . |
| 3.250 | 0.9486 | 3.99 | .Q | . | . | . | . |
| 3.267 | 0.9541 | 3.99 | .Q | . | . | . | . |
| 3.283 | 0.9596 | 4.00 | .Q | . | . | . | . |
| 3.300 | 0.9651 | 4.00 | .Q | . | . | . | . |
| 3.317 | 0.9706 | 4.00 | .Q | . | . | . | . |
| 3.333 | 0.9762 | 4.00 | .Q | . | . | . | . |
| 3.350 | 0.9817 | 4.01 | .Q | . | . | . | . |
| 3.367 | 0.9872 | 4.01 | .Q | . | . | . | . |
| 3.383 | 0.9927 | 4.01 | .Q | . | . | . | . |
| 3.400 | 0.9982 | 4.01 | .Q | . | . | . | . |
| 3.417 | 1.0038 | 4.01 | .Q | . | . | . | . |
| 3.433 | 1.0093 | 4.02 | .QV | . | . | . | . |
| 3.450 | 1.0148 | 4.02 | .QV | . | . | . | . |
| 3.467 | 1.0204 | 4.02 | .QV | . | . | . | . |
| 3.483 | 1.0259 | 4.02 | .QV | . | . | . | . |
| 3.500 | 1.0315 | 4.03 | .QV | . | . | . | . |
| 3.517 | 1.0370 | 4.03 | .QV | . | . | . | . |
| 3.533 | 1.0426 | 4.03 | .QV | . | . | . | . |
| 3.550 | 1.0481 | 4.03 | .QV | . | . | . | . |
| 3.567 | 1.0537 | 4.03 | .QV | . | . | . | . |
| 3.583 | 1.0592 | 4.04 | .QV | . | . | . | . |
| 3.600 | 1.0648 | 4.04 | .QV | . | . | . | . |
| 3.617 | 1.0704 | 4.04 | .QV | . | . | . | . |
| 3.633 | 1.0760 | 4.05 | .QV | . | . | . | . |
| 3.650 | 1.0815 | 4.05 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 3.667 | 1.0871 | 4.06 | .QV | . | . | . | . |
| 3.683 | 1.0927 | 4.06 | .QV | . | . | . | . |
| 3.700 | 1.0983 | 4.07 | .QV | . | . | . | . |
| 3.717 | 1.1039 | 4.07 | .QV | . | . | . | . |
| 3.733 | 1.1095 | 4.08 | .QV | . | . | . | . |
| 3.750 | 1.1152 | 4.08 | .QV | . | . | . | . |
| 3.767 | 1.1208 | 4.08 | .QV | . | . | . | . |
| 3.783 | 1.1264 | 4.09 | .QV | . | . | . | . |
| 3.800 | 1.1321 | 4.09 | .QV | . | . | . | . |
| 3.817 | 1.1377 | 4.10 | .QV | . | . | . | . |
| 3.833 | 1.1434 | 4.10 | .QV | . | . | . | . |
| 3.850 | 1.1490 | 4.11 | .QV | . | . | . | . |
| 3.867 | 1.1547 | 4.11 | .QV | . | . | . | . |
| 3.883 | 1.1603 | 4.12 | .QV | . | . | . | . |
| 3.900 | 1.1660 | 4.12 | .QV | . | . | . | . |
| 3.917 | 1.1717 | 4.13 | .QV | . | . | . | . |
| 3.933 | 1.1774 | 4.13 | .QV | . | . | . | . |
| 3.950 | 1.1831 | 4.13 | .QV | . | . | . | . |
| 3.967 | 1.1888 | 4.13 | .QV | . | . | . | . |
| 3.983 | 1.1945 | 4.14 | .QV | . | . | . | . |
| 4.000 | 1.2002 | 4.14 | .QV | . | . | . | . |
| 4.017 | 1.2059 | 4.14 | .QV | . | . | . | . |
| 4.033 | 1.2116 | 4.14 | .QV | . | . | . | . |
| 4.050 | 1.2173 | 4.15 | .QV | . | . | . | . |
| 4.067 | 1.2230 | 4.15 | .QV | . | . | . | . |
| 4.083 | 1.2287 | 4.15 | .QV | . | . | . | . |
| 4.100 | 1.2345 | 4.15 | .QV | . | . | . | . |
| 4.117 | 1.2402 | 4.16 | .QV | . | . | . | . |
| 4.133 | 1.2459 | 4.16 | .QV | . | . | . | . |
| 4.150 | 1.2516 | 4.16 | .QV | . | . | . | . |
| 4.167 | 1.2574 | 4.16 | .QV | . | . | . | . |
| 4.183 | 1.2631 | 4.17 | .QV | . | . | . | . |
| 4.200 | 1.2689 | 4.17 | .QV | . | . | . | . |
| 4.217 | 1.2746 | 4.17 | .QV | . | . | . | . |
| 4.233 | 1.2803 | 4.17 | .QV | . | . | . | . |
| 4.250 | 1.2861 | 4.18 | .QV | . | . | . | . |
| 4.267 | 1.2919 | 4.18 | .QV | . | . | . | . |
| 4.283 | 1.2976 | 4.18 | .QV | . | . | . | . |
| 4.300 | 1.3034 | 4.19 | .QV | . | . | . | . |
| 4.317 | 1.3092 | 4.19 | .QV | . | . | . | . |
| 4.333 | 1.3149 | 4.20 | .QV | . | . | . | . |
| 4.350 | 1.3207 | 4.20 | .QV | . | . | . | . |
| 4.367 | 1.3265 | 4.21 | .QV | . | . | . | . |
| 4.383 | 1.3323 | 4.21 | .QV | . | . | . | . |
| 4.400 | 1.3382 | 4.22 | .QV | . | . | . | . |
| 4.417 | 1.3440 | 4.22 | .QV | . | . | . | . |
| 4.433 | 1.3498 | 4.23 | .QV | . | . | . | . |
| 4.450 | 1.3556 | 4.23 | .QV | . | . | . | . |
| 4.467 | 1.3615 | 4.24 | .QV | . | . | . | . |
| 4.483 | 1.3673 | 4.24 | .QV | . | . | . | . |
| 4.500 | 1.3732 | 4.25 | .QV | . | . | . | . |
| 4.517 | 1.3790 | 4.25 | .QV | . | . | . | . |
| 4.533 | 1.3849 | 4.26 | .QV | . | . | . | . |
| 4.550 | 1.3908 | 4.26 | .QV | . | . | . | . |
| 4.567 | 1.3966 | 4.27 | .QV | . | . | . | . |
| 4.583 | 1.4025 | 4.27 | .QV | . | . | . | . |
| 4.600 | 1.4084 | 4.28 | .QV | . | . | . | . |
| 4.617 | 1.4143 | 4.28 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|------|---|---|---|---|
| 4.633 | 1.4202 | 4.28 | .QV | . | . | . | . |
| 4.650 | 1.4261 | 4.28 | .QV | . | . | . | . |
| 4.667 | 1.4320 | 4.29 | .QV | . | . | . | . |
| 4.683 | 1.4379 | 4.29 | .QV | . | . | . | . |
| 4.700 | 1.4438 | 4.29 | .QV | . | . | . | . |
| 4.717 | 1.4498 | 4.29 | .QV | . | . | . | . |
| 4.733 | 1.4557 | 4.30 | .QV | . | . | . | . |
| 4.750 | 1.4616 | 4.30 | .QV | . | . | . | . |
| 4.767 | 1.4675 | 4.30 | .QV | . | . | . | . |
| 4.783 | 1.4735 | 4.31 | .QV | . | . | . | . |
| 4.800 | 1.4794 | 4.31 | .QV | . | . | . | . |
| 4.817 | 1.4853 | 4.31 | .QV | . | . | . | . |
| 4.833 | 1.4913 | 4.31 | .QV | . | . | . | . |
| 4.850 | 1.4972 | 4.32 | .QV | . | . | . | . |
| 4.867 | 1.5032 | 4.32 | .QV | . | . | . | . |
| 4.883 | 1.5091 | 4.32 | .Q V | . | . | . | . |
| 4.900 | 1.5151 | 4.32 | .Q V | . | . | . | . |
| 4.917 | 1.5210 | 4.33 | .Q V | . | . | . | . |
| 4.933 | 1.5270 | 4.33 | .Q V | . | . | . | . |
| 4.950 | 1.5330 | 4.34 | .Q V | . | . | . | . |
| 4.967 | 1.5390 | 4.34 | .Q V | . | . | . | . |
| 4.983 | 1.5449 | 4.35 | .Q V | . | . | . | . |
| 5.000 | 1.5509 | 4.35 | .Q V | . | . | . | . |
| 5.017 | 1.5569 | 4.36 | .Q V | . | . | . | . |
| 5.033 | 1.5630 | 4.37 | .Q V | . | . | . | . |
| 5.050 | 1.5690 | 4.37 | .Q V | . | . | . | . |
| 5.067 | 1.5750 | 4.38 | .Q V | . | . | . | . |
| 5.083 | 1.5810 | 4.38 | .Q V | . | . | . | . |
| 5.100 | 1.5871 | 4.39 | .Q V | . | . | . | . |
| 5.117 | 1.5931 | 4.39 | .Q V | . | . | . | . |
| 5.133 | 1.5992 | 4.40 | .Q V | . | . | . | . |
| 5.150 | 1.6053 | 4.40 | .Q V | . | . | . | . |
| 5.167 | 1.6113 | 4.41 | .Q V | . | . | . | . |
| 5.183 | 1.6174 | 4.42 | .Q V | . | . | . | . |
| 5.200 | 1.6235 | 4.42 | .Q V | . | . | . | . |
| 5.217 | 1.6296 | 4.43 | .Q V | . | . | . | . |
| 5.233 | 1.6357 | 4.43 | .Q V | . | . | . | . |
| 5.250 | 1.6418 | 4.43 | .Q V | . | . | . | . |
| 5.267 | 1.6479 | 4.44 | .Q V | . | . | . | . |
| 5.283 | 1.6540 | 4.44 | .Q V | . | . | . | . |
| 5.300 | 1.6602 | 4.44 | .Q V | . | . | . | . |
| 5.317 | 1.6663 | 4.45 | .Q V | . | . | . | . |
| 5.333 | 1.6724 | 4.45 | .Q V | . | . | . | . |
| 5.350 | 1.6785 | 4.45 | .Q V | . | . | . | . |
| 5.367 | 1.6847 | 4.45 | .Q V | . | . | . | . |
| 5.383 | 1.6908 | 4.46 | .Q V | . | . | . | . |
| 5.400 | 1.6970 | 4.46 | .Q V | . | . | . | . |
| 5.417 | 1.7031 | 4.46 | .Q V | . | . | . | . |
| 5.433 | 1.7093 | 4.47 | .Q V | . | . | . | . |
| 5.450 | 1.7154 | 4.47 | .Q V | . | . | . | . |
| 5.467 | 1.7216 | 4.47 | .Q V | . | . | . | . |
| 5.483 | 1.7277 | 4.47 | .Q V | . | . | . | . |
| 5.500 | 1.7339 | 4.48 | .Q V | . | . | . | . |
| 5.517 | 1.7401 | 4.48 | .Q V | . | . | . | . |
| 5.533 | 1.7463 | 4.48 | .Q V | . | . | . | . |
| 5.550 | 1.7524 | 4.49 | .Q V | . | . | . | . |
| 5.567 | 1.7586 | 4.49 | .Q V | . | . | . | . |
| 5.583 | 1.7648 | 4.50 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 5.600 | 1.7710 | 4.50 | .Q | V | . | . | . | . |
| 5.617 | 1.7772 | 4.51 | .Q | V | . | . | . | . |
| 5.633 | 1.7834 | 4.51 | .Q | V | . | . | . | . |
| 5.650 | 1.7897 | 4.52 | .Q | V | . | . | . | . |
| 5.667 | 1.7959 | 4.53 | .Q | V | . | . | . | . |
| 5.683 | 1.8021 | 4.53 | .Q | V | . | . | . | . |
| 5.700 | 1.8084 | 4.54 | .Q | V | . | . | . | . |
| 5.717 | 1.8147 | 4.54 | .Q | V | . | . | . | . |
| 5.733 | 1.8209 | 4.55 | .Q | V | . | . | . | . |
| 5.750 | 1.8272 | 4.56 | .Q | V | . | . | . | . |
| 5.767 | 1.8335 | 4.56 | .Q | V | . | . | . | . |
| 5.783 | 1.8398 | 4.57 | .Q | V | . | . | . | . |
| 5.800 | 1.8461 | 4.57 | .Q | V | . | . | . | . |
| 5.817 | 1.8524 | 4.58 | .Q | V | . | . | . | . |
| 5.833 | 1.8587 | 4.59 | .Q | V | . | . | . | . |
| 5.850 | 1.8650 | 4.59 | .Q | V | . | . | . | . |
| 5.867 | 1.8714 | 4.60 | .Q | V | . | . | . | . |
| 5.883 | 1.8777 | 4.60 | .Q | V | . | . | . | . |
| 5.900 | 1.8841 | 4.61 | .Q | V | . | . | . | . |
| 5.917 | 1.8904 | 4.61 | .Q | V | . | . | . | . |
| 5.933 | 1.8968 | 4.62 | .Q | V | . | . | . | . |
| 5.950 | 1.9031 | 4.62 | .Q | V | . | . | . | . |
| 5.967 | 1.9095 | 4.62 | .Q | V | . | . | . | . |
| 5.983 | 1.9159 | 4.62 | .Q | V | . | . | . | . |
| 6.000 | 1.9222 | 4.63 | .Q | V | . | . | . | . |
| 6.017 | 1.9286 | 4.63 | .Q | V | . | . | . | . |
| 6.033 | 1.9350 | 4.63 | .Q | V | . | . | . | . |
| 6.050 | 1.9414 | 4.64 | .Q | V | . | . | . | . |
| 6.067 | 1.9478 | 4.64 | .Q | V | . | . | . | . |
| 6.083 | 1.9542 | 4.64 | .Q | V | . | . | . | . |
| 6.100 | 1.9606 | 4.65 | .Q | V | . | . | . | . |
| 6.117 | 1.9670 | 4.65 | .Q | V | . | . | . | . |
| 6.133 | 1.9734 | 4.65 | .Q | V | . | . | . | . |
| 6.150 | 1.9798 | 4.66 | .Q | V | . | . | . | . |
| 6.167 | 1.9862 | 4.66 | .Q | V | . | . | . | . |
| 6.183 | 1.9926 | 4.66 | .Q | V | . | . | . | . |
| 6.200 | 1.9991 | 4.67 | .Q | V | . | . | . | . |
| 6.217 | 2.0055 | 4.67 | .Q | V | . | . | . | . |
| 6.233 | 2.0119 | 4.68 | .Q | V | . | . | . | . |
| 6.250 | 2.0184 | 4.68 | .Q | V | . | . | . | . |
| 6.267 | 2.0249 | 4.69 | .Q | V | . | . | . | . |
| 6.283 | 2.0313 | 4.70 | .Q | V | . | . | . | . |
| 6.300 | 2.0378 | 4.70 | .Q | V | . | . | . | . |
| 6.317 | 2.0443 | 4.71 | .Q | V | . | . | . | . |
| 6.333 | 2.0508 | 4.72 | .Q | V | . | . | . | . |
| 6.350 | 2.0573 | 4.72 | .Q | V | . | . | . | . |
| 6.367 | 2.0638 | 4.73 | .Q | V | . | . | . | . |
| 6.383 | 2.0703 | 4.74 | .Q | V | . | . | . | . |
| 6.400 | 2.0769 | 4.74 | .Q | V | . | . | . | . |
| 6.417 | 2.0834 | 4.75 | .Q | V | . | . | . | . |
| 6.433 | 2.0900 | 4.76 | .Q | V | . | . | . | . |
| 6.450 | 2.0965 | 4.76 | .Q | V | . | . | . | . |
| 6.467 | 2.1031 | 4.77 | .Q | V | . | . | . | . |
| 6.483 | 2.1097 | 4.78 | .Q | V | . | . | . | . |
| 6.500 | 2.1163 | 4.78 | .Q | V | . | . | . | . |
| 6.517 | 2.1229 | 4.79 | .Q | V | . | . | . | . |
| 6.533 | 2.1295 | 4.80 | .Q | V | . | . | . | . |
| 6.550 | 2.1361 | 4.80 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 6.567 | 2.1427 | 4.81 | .Q | V | . | . | . | . |
| 6.583 | 2.1493 | 4.81 | .Q | V | . | . | . | . |
| 6.600 | 2.1559 | 4.81 | .Q | V | . | . | . | . |
| 6.617 | 2.1626 | 4.82 | .Q | V | . | . | . | . |
| 6.633 | 2.1692 | 4.82 | .Q | V | . | . | . | . |
| 6.650 | 2.1759 | 4.82 | .Q | V | . | . | . | . |
| 6.667 | 2.1825 | 4.83 | .Q | V | . | . | . | . |
| 6.683 | 2.1892 | 4.83 | .Q | V | . | . | . | . |
| 6.700 | 2.1958 | 4.83 | .Q | V | . | . | . | . |
| 6.717 | 2.2025 | 4.84 | .Q | V | . | . | . | . |
| 6.733 | 2.2092 | 4.84 | .Q | V | . | . | . | . |
| 6.750 | 2.2158 | 4.84 | .Q | V | . | . | . | . |
| 6.767 | 2.2225 | 4.85 | .Q | V | . | . | . | . |
| 6.783 | 2.2292 | 4.85 | .Q | V | . | . | . | . |
| 6.800 | 2.2359 | 4.85 | .Q | V | . | . | . | . |
| 6.817 | 2.2426 | 4.86 | .Q | V | . | . | . | . |
| 6.833 | 2.2493 | 4.86 | .Q | V | . | . | . | . |
| 6.850 | 2.2560 | 4.87 | .Q | V | . | . | . | . |
| 6.867 | 2.2627 | 4.87 | .Q | V | . | . | . | . |
| 6.883 | 2.2694 | 4.88 | .Q | V | . | . | . | . |
| 6.900 | 2.2761 | 4.88 | .Q | V | . | . | . | . |
| 6.917 | 2.2828 | 4.89 | .Q | V | . | . | . | . |
| 6.933 | 2.2896 | 4.90 | .Q | V | . | . | . | . |
| 6.950 | 2.2964 | 4.91 | .Q | V | . | . | . | . |
| 6.967 | 2.3031 | 4.91 | .Q | V | . | . | . | . |
| 6.983 | 2.3099 | 4.92 | .Q | V | . | . | . | . |
| 7.000 | 2.3167 | 4.93 | .Q | V | . | . | . | . |
| 7.017 | 2.3235 | 4.94 | .Q | V | . | . | . | . |
| 7.033 | 2.3303 | 4.94 | .Q | V | . | . | . | . |
| 7.050 | 2.3371 | 4.95 | .Q | V | . | . | . | . |
| 7.067 | 2.3439 | 4.96 | .Q | V | . | . | . | . |
| 7.083 | 2.3508 | 4.97 | .Q | V | . | . | . | . |
| 7.100 | 2.3576 | 4.97 | .Q | V | . | . | . | . |
| 7.117 | 2.3645 | 4.98 | .Q | V | . | . | . | . |
| 7.133 | 2.3714 | 4.99 | .Q | V | . | . | . | . |
| 7.150 | 2.3783 | 5.00 | .Q | V | . | . | . | . |
| 7.167 | 2.3851 | 5.00 | .Q | V | . | . | . | . |
| 7.183 | 2.3920 | 5.01 | .Q | V | . | . | . | . |
| 7.200 | 2.3990 | 5.02 | .Q | V | . | . | . | . |
| 7.217 | 2.4059 | 5.02 | .Q | V | . | . | . | . |
| 7.233 | 2.4128 | 5.03 | .Q | V | . | . | . | . |
| 7.250 | 2.4197 | 5.03 | .Q | V | . | . | . | . |
| 7.267 | 2.4267 | 5.03 | .Q | V | . | . | . | . |
| 7.283 | 2.4336 | 5.04 | .Q | V | . | . | . | . |
| 7.300 | 2.4405 | 5.04 | .Q | V | . | . | . | . |
| 7.317 | 2.4475 | 5.04 | .Q | V | . | . | . | . |
| 7.333 | 2.4544 | 5.05 | .Q | V | . | . | . | . |
| 7.350 | 2.4614 | 5.05 | .Q | V | . | . | . | . |
| 7.367 | 2.4684 | 5.06 | .Q | V | . | . | . | . |
| 7.383 | 2.4753 | 5.06 | .Q | V | . | . | . | . |
| 7.400 | 2.4823 | 5.06 | .Q | V | . | . | . | . |
| 7.417 | 2.4893 | 5.07 | .Q | V | . | . | . | . |
| 7.433 | 2.4963 | 5.07 | .Q | V | . | . | . | . |
| 7.450 | 2.5033 | 5.08 | .Q | V | . | . | . | . |
| 7.467 | 2.5103 | 5.08 | .Q | V | . | . | . | . |
| 7.483 | 2.5173 | 5.08 | .Q | V | . | . | . | . |
| 7.500 | 2.5243 | 5.09 | .Q | V | . | . | . | . |
| 7.517 | 2.5313 | 5.09 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 7.533 | 2.5383 | 5.10 | .Q | V | . | . | . | . |
| 7.550 | 2.5454 | 5.11 | .Q | V | . | . | . | . |
| 7.567 | 2.5524 | 5.12 | .Q | V | . | . | . | . |
| 7.583 | 2.5595 | 5.13 | .Q | V | . | . | . | . |
| 7.600 | 2.5665 | 5.13 | .Q | V | . | . | . | . |
| 7.617 | 2.5736 | 5.14 | .Q | V | . | . | . | . |
| 7.633 | 2.5807 | 5.15 | .Q | V | . | . | . | . |
| 7.650 | 2.5878 | 5.16 | .Q | V | . | . | . | . |
| 7.667 | 2.5949 | 5.17 | .Q | V | . | . | . | . |
| 7.683 | 2.6021 | 5.18 | .Q | V | . | . | . | . |
| 7.700 | 2.6092 | 5.18 | .Q | V | . | . | . | . |
| 7.717 | 2.6164 | 5.19 | .Q | V | . | . | . | . |
| 7.733 | 2.6235 | 5.20 | .Q | V | . | . | . | . |
| 7.750 | 2.6307 | 5.21 | .Q | V | . | . | . | . |
| 7.767 | 2.6379 | 5.22 | .Q | V | . | . | . | . |
| 7.783 | 2.6451 | 5.23 | .Q | V | . | . | . | . |
| 7.800 | 2.6523 | 5.24 | .Q | V | . | . | . | . |
| 7.817 | 2.6595 | 5.24 | .Q | V | . | . | . | . |
| 7.833 | 2.6668 | 5.25 | .Q | V | . | . | . | . |
| 7.850 | 2.6740 | 5.26 | .Q | V | . | . | . | . |
| 7.867 | 2.6813 | 5.26 | .Q | V | . | . | . | . |
| 7.883 | 2.6885 | 5.27 | .Q | V | . | . | . | . |
| 7.900 | 2.6958 | 5.27 | .Q | V | . | . | . | . |
| 7.917 | 2.7030 | 5.28 | .Q | V | . | . | . | . |
| 7.933 | 2.7103 | 5.28 | .Q | V | . | . | . | . |
| 7.950 | 2.7176 | 5.29 | .Q | V | . | . | . | . |
| 7.967 | 2.7249 | 5.29 | .Q | V | . | . | . | . |
| 7.983 | 2.7322 | 5.30 | .Q | V | . | . | . | . |
| 8.000 | 2.7395 | 5.30 | .Q | V | . | . | . | . |
| 8.017 | 2.7468 | 5.30 | .Q | V | . | . | . | . |
| 8.033 | 2.7541 | 5.31 | .Q | V | . | . | . | . |
| 8.050 | 2.7614 | 5.31 | .Q | V | . | . | . | . |
| 8.067 | 2.7687 | 5.32 | .Q | V | . | . | . | . |
| 8.083 | 2.7761 | 5.32 | .Q | V | . | . | . | . |
| 8.100 | 2.7834 | 5.33 | .Q | V | . | . | . | . |
| 8.117 | 2.7908 | 5.33 | .Q | V | . | . | . | . |
| 8.133 | 2.7981 | 5.34 | .Q | V | . | . | . | . |
| 8.150 | 2.8055 | 5.34 | .Q | V | . | . | . | . |
| 8.167 | 2.8128 | 5.34 | .Q | V | . | . | . | . |
| 8.183 | 2.8202 | 5.35 | .Q | V | . | . | . | . |
| 8.200 | 2.8276 | 5.36 | .Q | V | . | . | . | . |
| 8.217 | 2.8350 | 5.37 | .Q | V | . | . | . | . |
| 8.233 | 2.8424 | 5.38 | .Q | V | . | . | . | . |
| 8.250 | 2.8498 | 5.39 | .Q | V | . | . | . | . |
| 8.267 | 2.8573 | 5.40 | .Q | V | . | . | . | . |
| 8.283 | 2.8647 | 5.41 | .Q | V | . | . | . | . |
| 8.300 | 2.8722 | 5.42 | .Q | V | . | . | . | . |
| 8.317 | 2.8797 | 5.43 | .Q | V | . | . | . | . |
| 8.333 | 2.8871 | 5.44 | .Q | V | . | . | . | . |
| 8.350 | 2.8946 | 5.45 | .Q | V | . | . | . | . |
| 8.367 | 2.9022 | 5.46 | .Q | V | . | . | . | . |
| 8.383 | 2.9097 | 5.47 | .Q | V | . | . | . | . |
| 8.400 | 2.9172 | 5.48 | .Q | V | . | . | . | . |
| 8.417 | 2.9248 | 5.49 | .Q | V | . | . | . | . |
| 8.433 | 2.9324 | 5.50 | .Q | V | . | . | . | . |
| 8.450 | 2.9400 | 5.51 | .Q | V | . | . | . | . |
| 8.467 | 2.9476 | 5.52 | .Q | V | . | . | . | . |
| 8.483 | 2.9552 | 5.53 | .Q | V | . | . | . | . |

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|-------|--------|------|----|---|---|---|---|---|
| 8.500 | 2.9628 | 5.53 | .Q | V | . | . | . | . |
| 8.517 | 2.9704 | 5.54 | .Q | V | . | . | . | . |
| 8.533 | 2.9781 | 5.54 | .Q | V | . | . | . | . |
| 8.550 | 2.9857 | 5.55 | .Q | V | . | . | . | . |
| 8.567 | 2.9934 | 5.56 | .Q | V | . | . | . | . |
| 8.583 | 3.0010 | 5.56 | .Q | V | . | . | . | . |
| 8.600 | 3.0087 | 5.57 | .Q | V | . | . | . | . |
| 8.617 | 3.0163 | 5.57 | .Q | V | . | . | . | . |
| 8.633 | 3.0240 | 5.58 | .Q | V | . | . | . | . |
| 8.650 | 3.0317 | 5.58 | .Q | V | . | . | . | . |
| 8.667 | 3.0394 | 5.59 | .Q | V | . | . | . | . |
| 8.683 | 3.0471 | 5.59 | .Q | V | . | . | . | . |
| 8.700 | 3.0548 | 5.60 | .Q | V | . | . | . | . |
| 8.717 | 3.0625 | 5.60 | .Q | V | . | . | . | . |
| 8.733 | 3.0703 | 5.61 | .Q | V | . | . | . | . |
| 8.750 | 3.0780 | 5.61 | .Q | V | . | . | . | . |
| 8.767 | 3.0857 | 5.62 | .Q | V | . | . | . | . |
| 8.783 | 3.0935 | 5.62 | .Q | V | . | . | . | . |
| 8.800 | 3.1012 | 5.63 | .Q | V | . | . | . | . |
| 8.817 | 3.1090 | 5.63 | .Q | V | . | . | . | . |
| 8.833 | 3.1167 | 5.64 | .Q | V | . | . | . | . |
| 8.850 | 3.1245 | 5.65 | .Q | V | . | . | . | . |
| 8.867 | 3.1323 | 5.66 | .Q | V | . | . | . | . |
| 8.883 | 3.1401 | 5.67 | .Q | V | . | . | . | . |
| 8.900 | 3.1480 | 5.68 | .Q | V | . | . | . | . |
| 8.917 | 3.1558 | 5.70 | .Q | V | . | . | . | . |
| 8.933 | 3.1637 | 5.71 | .Q | V | . | . | . | . |
| 8.950 | 3.1716 | 5.72 | .Q | V | . | . | . | . |
| 8.967 | 3.1794 | 5.73 | .Q | V | . | . | . | . |
| 8.983 | 3.1873 | 5.74 | .Q | V | . | . | . | . |
| 9.000 | 3.1953 | 5.75 | .Q | V | . | . | . | . |
| 9.017 | 3.2032 | 5.76 | .Q | V | . | . | . | . |
| 9.033 | 3.2112 | 5.77 | .Q | V | . | . | . | . |
| 9.050 | 3.2191 | 5.78 | .Q | V | . | . | . | . |
| 9.067 | 3.2271 | 5.79 | .Q | V | . | . | . | . |
| 9.083 | 3.2351 | 5.81 | .Q | V | . | . | . | . |
| 9.100 | 3.2431 | 5.82 | .Q | V | . | . | . | . |
| 9.117 | 3.2511 | 5.83 | .Q | V | . | . | . | . |
| 9.133 | 3.2592 | 5.84 | .Q | V | . | . | . | . |
| 9.150 | 3.2672 | 5.85 | .Q | V | . | . | . | . |
| 9.167 | 3.2753 | 5.86 | .Q | V | . | . | . | . |
| 9.183 | 3.2834 | 5.86 | .Q | V | . | . | . | . |
| 9.200 | 3.2915 | 5.87 | .Q | V | . | . | . | . |
| 9.217 | 3.2996 | 5.87 | .Q | V | . | . | . | . |
| 9.233 | 3.3077 | 5.88 | .Q | V | . | . | . | . |
| 9.250 | 3.3158 | 5.89 | .Q | V | . | . | . | . |
| 9.267 | 3.3239 | 5.89 | .Q | V | . | . | . | . |
| 9.283 | 3.3320 | 5.90 | .Q | V | . | . | . | . |
| 9.300 | 3.3401 | 5.90 | .Q | V | . | . | . | . |
| 9.317 | 3.3483 | 5.91 | .Q | V | . | . | . | . |
| 9.333 | 3.3564 | 5.92 | .Q | V | . | . | . | . |
| 9.350 | 3.3646 | 5.92 | .Q | V | . | . | . | . |
| 9.367 | 3.3727 | 5.93 | .Q | V | . | . | . | . |
| 9.383 | 3.3809 | 5.93 | .Q | V | . | . | . | . |
| 9.400 | 3.3891 | 5.94 | .Q | V | . | . | . | . |
| 9.417 | 3.3973 | 5.95 | .Q | V | . | . | . | . |
| 9.433 | 3.4055 | 5.95 | .Q | V | . | . | . | . |
| 9.450 | 3.4137 | 5.96 | .Q | V | . | . | . | . |

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|--------|--------|------|----|---|---|---|---|---|
| 9.467 | 3.4219 | 5.96 | .Q | V | . | . | . | . |
| 9.483 | 3.4301 | 5.97 | .Q | V | . | . | . | . |
| 9.500 | 3.4384 | 5.98 | .Q | V | . | . | . | . |
| 9.517 | 3.4466 | 6.00 | .Q | V | . | . | . | . |
| 9.533 | 3.4549 | 6.01 | .Q | V | . | . | . | . |
| 9.550 | 3.4632 | 6.02 | .Q | V | . | . | . | . |
| 9.567 | 3.4715 | 6.04 | .Q | V | . | . | . | . |
| 9.583 | 3.4799 | 6.05 | .Q | V | . | . | . | . |
| 9.600 | 3.4882 | 6.06 | .Q | V | . | . | . | . |
| 9.617 | 3.4966 | 6.07 | .Q | V | . | . | . | . |
| 9.633 | 3.5050 | 6.09 | .Q | V | . | . | . | . |
| 9.650 | 3.5134 | 6.10 | .Q | V | . | . | . | . |
| 9.667 | 3.5218 | 6.11 | .Q | V | . | . | . | . |
| 9.683 | 3.5302 | 6.13 | .Q | V | . | . | . | . |
| 9.700 | 3.5387 | 6.14 | .Q | V | . | . | . | . |
| 9.717 | 3.5471 | 6.15 | .Q | V | . | . | . | . |
| 9.733 | 3.5556 | 6.16 | .Q | V | . | . | . | . |
| 9.750 | 3.5641 | 6.18 | .Q | V | . | . | . | . |
| 9.767 | 3.5727 | 6.19 | .Q | V | . | . | . | . |
| 9.783 | 3.5812 | 6.20 | .Q | V | . | . | . | . |
| 9.800 | 3.5898 | 6.22 | .Q | V | . | . | . | . |
| 9.817 | 3.5983 | 6.22 | .Q | V | . | . | . | . |
| 9.833 | 3.6069 | 6.23 | .Q | V | . | . | . | . |
| 9.850 | 3.6155 | 6.24 | .Q | V | . | . | . | . |
| 9.867 | 3.6241 | 6.25 | .Q | V | . | . | . | . |
| 9.883 | 3.6327 | 6.25 | .Q | V | . | . | . | . |
| 9.900 | 3.6414 | 6.26 | .Q | V | . | . | . | . |
| 9.917 | 3.6500 | 6.27 | .Q | V | . | . | . | . |
| 9.933 | 3.6586 | 6.27 | .Q | V | . | . | . | . |
| 9.950 | 3.6673 | 6.28 | .Q | V | . | . | . | . |
| 9.967 | 3.6759 | 6.29 | .Q | V | . | . | . | . |
| 9.983 | 3.6846 | 6.29 | .Q | V | . | . | . | . |
| 10.000 | 3.6933 | 6.30 | .Q | V | . | . | . | . |
| 10.017 | 3.7020 | 6.31 | .Q | V | . | . | . | . |
| 10.033 | 3.7107 | 6.32 | .Q | V | . | . | . | . |
| 10.050 | 3.7194 | 6.32 | .Q | V | . | . | . | . |
| 10.067 | 3.7281 | 6.33 | .Q | V | . | . | . | . |
| 10.083 | 3.7368 | 6.34 | .Q | V | . | . | . | . |
| 10.100 | 3.7456 | 6.34 | .Q | V | . | . | . | . |
| 10.117 | 3.7543 | 6.35 | .Q | V | . | . | . | . |
| 10.133 | 3.7631 | 6.36 | .Q | V | . | . | . | . |
| 10.150 | 3.7718 | 6.37 | .Q | V | . | . | . | . |
| 10.167 | 3.7806 | 6.39 | .Q | V | . | . | . | . |
| 10.183 | 3.7895 | 6.40 | .Q | V | . | . | . | . |
| 10.200 | 3.7983 | 6.42 | .Q | V | . | . | . | . |
| 10.217 | 3.8072 | 6.43 | .Q | V | . | . | . | . |
| 10.233 | 3.8161 | 6.45 | .Q | V | . | . | . | . |
| 10.250 | 3.8250 | 6.46 | .Q | V | . | . | . | . |
| 10.267 | 3.8339 | 6.48 | .Q | V | . | . | . | . |
| 10.283 | 3.8428 | 6.50 | .Q | V | . | . | . | . |
| 10.300 | 3.8518 | 6.51 | .Q | V | . | . | . | . |
| 10.317 | 3.8608 | 6.53 | .Q | V | . | . | . | . |
| 10.333 | 3.8698 | 6.54 | .Q | V | . | . | . | . |
| 10.350 | 3.8788 | 6.56 | .Q | V | . | . | . | . |
| 10.367 | 3.8879 | 6.57 | .Q | V | . | . | . | . |
| 10.383 | 3.8969 | 6.59 | .Q | V | . | . | . | . |
| 10.400 | 3.9060 | 6.60 | .Q | V | . | . | . | . |
| 10.417 | 3.9152 | 6.62 | .Q | V | . | . | . | . |

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|--------|--------|------|----|---|---|---|---|---|
| 10.433 | 3.9243 | 6.63 | .Q | V | . | . | . | . |
| 10.450 | 3.9334 | 6.65 | .Q | V | . | . | . | . |
| 10.467 | 3.9426 | 6.66 | .Q | V | . | . | . | . |
| 10.483 | 3.9518 | 6.67 | .Q | V | . | . | . | . |
| 10.500 | 3.9610 | 6.68 | .Q | V | . | . | . | . |
| 10.517 | 3.9702 | 6.68 | .Q | V | . | . | . | . |
| 10.533 | 3.9794 | 6.69 | .Q | V | . | . | . | . |
| 10.550 | 3.9887 | 6.70 | .Q | V | . | . | . | . |
| 10.567 | 3.9979 | 6.71 | .Q | V | . | . | . | . |
| 10.583 | 4.0071 | 6.72 | .Q | V | . | . | . | . |
| 10.600 | 4.0164 | 6.73 | .Q | V | . | . | . | . |
| 10.617 | 4.0257 | 6.73 | .Q | V | . | . | . | . |
| 10.633 | 4.0350 | 6.74 | .Q | V | . | . | . | . |
| 10.650 | 4.0443 | 6.75 | .Q | V | . | . | . | . |
| 10.667 | 4.0536 | 6.76 | .Q | V | . | . | . | . |
| 10.683 | 4.0629 | 6.77 | .Q | V | . | . | . | . |
| 10.700 | 4.0722 | 6.78 | .Q | V | . | . | . | . |
| 10.717 | 4.0816 | 6.78 | .Q | V | . | . | . | . |
| 10.733 | 4.0909 | 6.79 | .Q | V | . | . | . | . |
| 10.750 | 4.1003 | 6.80 | .Q | V | . | . | . | . |
| 10.767 | 4.1097 | 6.81 | .Q | V | . | . | . | . |
| 10.783 | 4.1191 | 6.82 | .Q | V | . | . | . | . |
| 10.800 | 4.1285 | 6.84 | .Q | V | . | . | . | . |
| 10.817 | 4.1379 | 6.85 | .Q | V | . | . | . | . |
| 10.833 | 4.1474 | 6.87 | .Q | V | . | . | . | . |
| 10.850 | 4.1569 | 6.89 | .Q | V | . | . | . | . |
| 10.867 | 4.1664 | 6.91 | .Q | V | . | . | . | . |
| 10.883 | 4.1759 | 6.93 | .Q | V | . | . | . | . |
| 10.900 | 4.1855 | 6.95 | .Q | V | . | . | . | . |
| 10.917 | 4.1951 | 6.96 | .Q | V | . | . | . | . |
| 10.933 | 4.2047 | 6.98 | .Q | V | . | . | . | . |
| 10.950 | 4.2144 | 7.00 | .Q | V | . | . | . | . |
| 10.967 | 4.2240 | 7.02 | .Q | V | . | . | . | . |
| 10.983 | 4.2337 | 7.04 | .Q | V | . | . | . | . |
| 11.000 | 4.2434 | 7.06 | .Q | V | . | . | . | . |
| 11.017 | 4.2532 | 7.07 | .Q | V | . | . | . | . |
| 11.033 | 4.2630 | 7.09 | .Q | V | . | . | . | . |
| 11.050 | 4.2728 | 7.11 | .Q | V | . | . | . | . |
| 11.067 | 4.2826 | 7.13 | .Q | V | . | . | . | . |
| 11.083 | 4.2924 | 7.15 | .Q | V | . | . | . | . |
| 11.100 | 4.3023 | 7.17 | .Q | V | . | . | . | . |
| 11.117 | 4.3122 | 7.18 | .Q | V | . | . | . | . |
| 11.133 | 4.3221 | 7.19 | .Q | V | . | . | . | . |
| 11.150 | 4.3320 | 7.20 | .Q | V | . | . | . | . |
| 11.167 | 4.3419 | 7.21 | .Q | V | . | . | . | . |
| 11.183 | 4.3519 | 7.22 | .Q | V | . | . | . | . |
| 11.200 | 4.3619 | 7.23 | .Q | V | . | . | . | . |
| 11.217 | 4.3718 | 7.24 | .Q | V | . | . | . | . |
| 11.233 | 4.3818 | 7.25 | .Q | V | . | . | . | . |
| 11.250 | 4.3918 | 7.26 | .Q | V | . | . | . | . |
| 11.267 | 4.4018 | 7.27 | .Q | V | . | . | . | . |
| 11.283 | 4.4119 | 7.28 | .Q | V | . | . | . | . |
| 11.300 | 4.4219 | 7.29 | .Q | V | . | . | . | . |
| 11.317 | 4.4320 | 7.30 | .Q | V | . | . | . | . |
| 11.333 | 4.4421 | 7.31 | .Q | V | . | . | . | . |
| 11.350 | 4.4521 | 7.32 | .Q | V | . | . | . | . |
| 11.367 | 4.4622 | 7.33 | .Q | V | . | . | . | . |
| 11.383 | 4.4724 | 7.34 | .Q | V | . | . | . | . |

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|--------|--------|-------|----|---|---|---|---|
| 11.400 | 4.4825 | 7.35 | .Q | V | . | . | . |
| 11.417 | 4.4926 | 7.37 | .Q | V | . | . | . |
| 11.433 | 4.5028 | 7.38 | .Q | V | . | . | . |
| 11.450 | 4.5130 | 7.40 | .Q | V | . | . | . |
| 11.467 | 4.5232 | 7.42 | .Q | V | . | . | . |
| 11.483 | 4.5335 | 7.44 | .Q | V | . | . | . |
| 11.500 | 4.5437 | 7.46 | .Q | V | . | . | . |
| 11.517 | 4.5540 | 7.49 | .Q | V | . | . | . |
| 11.533 | 4.5644 | 7.51 | .Q | V | . | . | . |
| 11.550 | 4.5748 | 7.53 | .Q | V | . | . | . |
| 11.567 | 4.5852 | 7.55 | .Q | V | . | . | . |
| 11.583 | 4.5956 | 7.58 | .Q | V | . | . | . |
| 11.600 | 4.6061 | 7.60 | .Q | V | . | . | . |
| 11.617 | 4.6166 | 7.62 | .Q | V | . | . | . |
| 11.633 | 4.6271 | 7.65 | .Q | V | . | . | . |
| 11.650 | 4.6377 | 7.67 | .Q | V | . | . | . |
| 11.667 | 4.6483 | 7.69 | .Q | V | . | . | . |
| 11.683 | 4.6589 | 7.71 | .Q | V | . | . | . |
| 11.700 | 4.6695 | 7.74 | .Q | V | . | . | . |
| 11.717 | 4.6802 | 7.76 | .Q | V | . | . | . |
| 11.733 | 4.6909 | 7.78 | .Q | V | . | . | . |
| 11.750 | 4.7017 | 7.80 | .Q | V | . | . | . |
| 11.767 | 4.7125 | 7.83 | .Q | V | . | . | . |
| 11.783 | 4.7233 | 7.84 | .Q | V | . | . | . |
| 11.800 | 4.7341 | 7.85 | .Q | V | . | . | . |
| 11.817 | 4.7449 | 7.86 | .Q | V | . | . | . |
| 11.833 | 4.7558 | 7.88 | .Q | V | . | . | . |
| 11.850 | 4.7666 | 7.89 | .Q | V | . | . | . |
| 11.867 | 4.7775 | 7.90 | .Q | V | . | . | . |
| 11.883 | 4.7884 | 7.92 | .Q | V | . | . | . |
| 11.900 | 4.7993 | 7.93 | .Q | V | . | . | . |
| 11.917 | 4.8103 | 7.94 | .Q | V | . | . | . |
| 11.933 | 4.8212 | 7.95 | .Q | V | . | . | . |
| 11.950 | 4.8322 | 7.97 | .Q | V | . | . | . |
| 11.967 | 4.8432 | 7.98 | .Q | V | . | . | . |
| 11.983 | 4.8542 | 7.99 | .Q | V | . | . | . |
| 12.000 | 4.8652 | 8.01 | .Q | V | . | . | . |
| 12.017 | 4.8763 | 8.02 | .Q | V | . | . | . |
| 12.033 | 4.8873 | 8.03 | .Q | V | . | . | . |
| 12.050 | 4.8984 | 8.04 | .Q | V | . | . | . |
| 12.067 | 4.9095 | 8.06 | .Q | V | . | . | . |
| 12.083 | 4.9206 | 8.07 | .Q | V | . | . | . |
| 12.100 | 4.9319 | 8.16 | .Q | V | . | . | . |
| 12.117 | 4.9433 | 8.30 | .Q | V | . | . | . |
| 12.133 | 4.9549 | 8.44 | .Q | V | . | . | . |
| 12.150 | 4.9667 | 8.58 | .Q | V | . | . | . |
| 12.167 | 4.9787 | 8.72 | .Q | V | . | . | . |
| 12.183 | 4.9909 | 8.86 | .Q | V | . | . | . |
| 12.200 | 5.0033 | 9.00 | .Q | V | . | . | . |
| 12.217 | 5.0159 | 9.14 | .Q | V | . | . | . |
| 12.233 | 5.0287 | 9.28 | .Q | V | . | . | . |
| 12.250 | 5.0417 | 9.42 | .Q | V | . | . | . |
| 12.267 | 5.0549 | 9.56 | .Q | V | . | . | . |
| 12.283 | 5.0682 | 9.70 | .Q | V | . | . | . |
| 12.300 | 5.0818 | 9.84 | .Q | V | . | . | . |
| 12.317 | 5.0955 | 9.98 | .Q | V | . | . | . |
| 12.333 | 5.1095 | 10.12 | .Q | V | . | . | . |
| 12.350 | 5.1236 | 10.26 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|----|---|---|---|
| 12.367 | 5.1379 | 10.40 | .Q | V | . | . | . |
| 12.383 | 5.1525 | 10.54 | .Q | V | . | . | . |
| 12.400 | 5.1672 | 10.69 | .Q | V | . | . | . |
| 12.417 | 5.1821 | 10.81 | .Q | V | . | . | . |
| 12.433 | 5.1970 | 10.84 | .Q | V | . | . | . |
| 12.450 | 5.2120 | 10.86 | .Q | V | . | . | . |
| 12.467 | 5.2270 | 10.88 | .Q | V | . | . | . |
| 12.483 | 5.2420 | 10.90 | .Q | V | . | . | . |
| 12.500 | 5.2570 | 10.92 | .Q | V | . | . | . |
| 12.517 | 5.2721 | 10.93 | .Q | V | . | . | . |
| 12.533 | 5.2872 | 10.95 | .Q | V | . | . | . |
| 12.550 | 5.3023 | 10.97 | .Q | V | . | . | . |
| 12.567 | 5.3174 | 10.99 | .Q | V | . | . | . |
| 12.583 | 5.3326 | 11.00 | .Q | V | . | . | . |
| 12.600 | 5.3477 | 11.02 | .Q | V | . | . | . |
| 12.617 | 5.3629 | 11.04 | .Q | V | . | . | . |
| 12.633 | 5.3782 | 11.06 | .Q | V | . | . | . |
| 12.650 | 5.3934 | 11.07 | .Q | V | . | . | . |
| 12.667 | 5.4087 | 11.09 | .Q | V | . | . | . |
| 12.683 | 5.4240 | 11.11 | .Q | V | . | . | . |
| 12.700 | 5.4393 | 11.13 | .Q | V | . | . | . |
| 12.717 | 5.4547 | 11.15 | .Q | V | . | . | . |
| 12.733 | 5.4701 | 11.16 | .Q | V | . | . | . |
| 12.750 | 5.4855 | 11.19 | .Q | V | . | . | . |
| 12.767 | 5.5009 | 11.23 | .Q | V | . | . | . |
| 12.783 | 5.5165 | 11.27 | .Q | V | . | . | . |
| 12.800 | 5.5321 | 11.31 | .Q | .V | . | . | . |
| 12.817 | 5.5477 | 11.35 | .Q | .V | . | . | . |
| 12.833 | 5.5634 | 11.39 | .Q | .V | . | . | . |
| 12.850 | 5.5791 | 11.44 | .Q | .V | . | . | . |
| 12.867 | 5.5949 | 11.48 | .Q | .V | . | . | . |
| 12.883 | 5.6108 | 11.52 | .Q | .V | . | . | . |
| 12.900 | 5.6267 | 11.56 | .Q | .V | . | . | . |
| 12.917 | 5.6427 | 11.60 | .Q | .V | . | . | . |
| 12.933 | 5.6587 | 11.64 | .Q | .V | . | . | . |
| 12.950 | 5.6748 | 11.68 | .Q | .V | . | . | . |
| 12.967 | 5.6910 | 11.72 | .Q | .V | . | . | . |
| 12.983 | 5.7072 | 11.76 | .Q | .V | . | . | . |
| 13.000 | 5.7234 | 11.80 | .Q | .V | . | . | . |
| 13.017 | 5.7397 | 11.84 | .Q | .V | . | . | . |
| 13.033 | 5.7561 | 11.88 | .Q | .V | . | . | . |
| 13.050 | 5.7725 | 11.93 | .Q | .V | . | . | . |
| 13.067 | 5.7890 | 11.97 | .Q | .V | . | . | . |
| 13.083 | 5.8055 | 11.99 | .Q | .V | . | . | . |
| 13.100 | 5.8221 | 12.02 | .Q | .V | . | . | . |
| 13.117 | 5.8387 | 12.04 | .Q | .V | . | . | . |
| 13.133 | 5.8553 | 12.06 | .Q | .V | . | . | . |
| 13.150 | 5.8719 | 12.09 | .Q | .V | . | . | . |
| 13.167 | 5.8886 | 12.11 | .Q | .V | . | . | . |
| 13.183 | 5.9053 | 12.14 | .Q | .V | . | . | . |
| 13.200 | 5.9221 | 12.16 | .Q | .V | . | . | . |
| 13.217 | 5.9389 | 12.18 | .Q | .V | . | . | . |
| 13.233 | 5.9557 | 12.21 | .Q | .V | . | . | . |
| 13.250 | 5.9725 | 12.23 | .Q | .V | . | . | . |
| 13.267 | 5.9894 | 12.26 | .Q | .V | . | . | . |
| 13.283 | 6.0063 | 12.28 | .Q | .V | . | . | . |
| 13.300 | 6.0233 | 12.30 | .Q | .V | . | . | . |
| 13.317 | 6.0403 | 12.33 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|--------|-------|-----|-----|---|---|---|
| 13.333 | 6.0573 | 12.35 | . Q | . V | . | . | . |
| 13.350 | 6.0743 | 12.37 | . Q | . V | . | . | . |
| 13.367 | 6.0914 | 12.40 | . Q | . V | . | . | . |
| 13.383 | 6.1085 | 12.42 | . Q | . V | . | . | . |
| 13.400 | 6.1257 | 12.45 | . Q | . V | . | . | . |
| 13.417 | 6.1429 | 12.51 | . Q | . V | . | . | . |
| 13.433 | 6.1602 | 12.57 | . Q | . V | . | . | . |
| 13.450 | 6.1776 | 12.62 | . Q | . V | . | . | . |
| 13.467 | 6.1951 | 12.68 | . Q | . V | . | . | . |
| 13.483 | 6.2126 | 12.74 | . Q | . V | . | . | . |
| 13.500 | 6.2302 | 12.79 | . Q | . V | . | . | . |
| 13.517 | 6.2479 | 12.85 | . Q | . V | . | . | . |
| 13.533 | 6.2657 | 12.91 | . Q | . V | . | . | . |
| 13.550 | 6.2836 | 12.97 | . Q | . V | . | . | . |
| 13.567 | 6.3015 | 13.02 | . Q | . V | . | . | . |
| 13.583 | 6.3195 | 13.08 | . Q | . V | . | . | . |
| 13.600 | 6.3376 | 13.14 | . Q | . V | . | . | . |
| 13.617 | 6.3558 | 13.19 | . Q | . V | . | . | . |
| 13.633 | 6.3740 | 13.25 | . Q | . V | . | . | . |
| 13.650 | 6.3924 | 13.31 | . Q | . V | . | . | . |
| 13.667 | 6.4108 | 13.36 | . Q | . V | . | . | . |
| 13.683 | 6.4293 | 13.42 | . Q | . V | . | . | . |
| 13.700 | 6.4478 | 13.48 | . Q | . V | . | . | . |
| 13.717 | 6.4665 | 13.53 | . Q | . V | . | . | . |
| 13.733 | 6.4852 | 13.58 | . Q | . V | . | . | . |
| 13.750 | 6.5039 | 13.61 | . Q | . V | . | . | . |
| 13.767 | 6.5227 | 13.65 | . Q | . V | . | . | . |
| 13.783 | 6.5416 | 13.68 | . Q | . V | . | . | . |
| 13.800 | 6.5604 | 13.72 | . Q | . V | . | . | . |
| 13.817 | 6.5794 | 13.75 | . Q | . V | . | . | . |
| 13.833 | 6.5984 | 13.78 | . Q | . V | . | . | . |
| 13.850 | 6.6174 | 13.82 | . Q | . V | . | . | . |
| 13.867 | 6.6365 | 13.85 | . Q | . V | . | . | . |
| 13.883 | 6.6556 | 13.89 | . Q | . V | . | . | . |
| 13.900 | 6.6748 | 13.92 | . Q | . V | . | . | . |
| 13.917 | 6.6940 | 13.96 | . Q | . V | . | . | . |
| 13.933 | 6.7133 | 13.99 | . Q | . V | . | . | . |
| 13.950 | 6.7326 | 14.03 | . Q | . V | . | . | . |
| 13.967 | 6.7520 | 14.06 | . Q | . V | . | . | . |
| 13.983 | 6.7714 | 14.10 | . Q | . V | . | . | . |
| 14.000 | 6.7909 | 14.13 | . Q | . V | . | . | . |
| 14.017 | 6.8104 | 14.16 | . Q | . V | . | . | . |
| 14.033 | 6.8299 | 14.20 | . Q | . V | . | . | . |
| 14.050 | 6.8495 | 14.24 | . Q | . V | . | . | . |
| 14.067 | 6.8693 | 14.33 | . Q | . V | . | . | . |
| 14.083 | 6.8891 | 14.42 | . Q | . V | . | . | . |
| 14.100 | 6.9091 | 14.51 | . Q | . V | . | . | . |
| 14.117 | 6.9293 | 14.61 | . Q | . V | . | . | . |
| 14.133 | 6.9495 | 14.70 | . Q | . V | . | . | . |
| 14.150 | 6.9699 | 14.79 | . Q | . V | . | . | . |
| 14.167 | 6.9904 | 14.88 | . Q | . V | . | . | . |
| 14.183 | 7.0110 | 14.98 | . Q | . V | . | . | . |
| 14.200 | 7.0317 | 15.07 | . Q | . V | . | . | . |
| 14.217 | 7.0526 | 15.16 | . Q | . V | . | . | . |
| 14.233 | 7.0736 | 15.25 | . Q | . V | . | . | . |
| 14.250 | 7.0948 | 15.34 | . Q | . V | . | . | . |
| 14.267 | 7.1160 | 15.44 | . Q | . V | . | . | . |
| 14.283 | 7.1374 | 15.53 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|--------|-------|-----|-----|---|---|---|
| 14.300 | 7.1589 | 15.62 | . Q | . V | . | . | . |
| 14.317 | 7.1806 | 15.71 | . Q | . V | . | . | . |
| 14.333 | 7.2024 | 15.81 | . Q | . V | . | . | . |
| 14.350 | 7.2243 | 15.90 | . Q | . V | . | . | . |
| 14.367 | 7.2463 | 15.99 | . Q | . V | . | . | . |
| 14.383 | 7.2684 | 16.07 | . Q | . V | . | . | . |
| 14.400 | 7.2906 | 16.12 | . Q | . V | . | . | . |
| 14.417 | 7.3129 | 16.18 | . Q | . V | . | . | . |
| 14.433 | 7.3353 | 16.24 | . Q | . V | . | . | . |
| 14.450 | 7.3577 | 16.29 | . Q | . V | . | . | . |
| 14.467 | 7.3802 | 16.35 | . Q | . V | . | . | . |
| 14.483 | 7.4028 | 16.41 | . Q | . V | . | . | . |
| 14.500 | 7.4255 | 16.46 | . Q | . V | . | . | . |
| 14.517 | 7.4483 | 16.52 | . Q | . V | . | . | . |
| 14.533 | 7.4711 | 16.58 | . Q | . V | . | . | . |
| 14.550 | 7.4940 | 16.63 | . Q | . V | . | . | . |
| 14.567 | 7.5170 | 16.69 | . Q | . V | . | . | . |
| 14.583 | 7.5401 | 16.75 | . Q | . V | . | . | . |
| 14.600 | 7.5632 | 16.80 | . Q | . V | . | . | . |
| 14.617 | 7.5864 | 16.86 | . Q | . V | . | . | . |
| 14.633 | 7.6097 | 16.91 | . Q | . V | . | . | . |
| 14.650 | 7.6331 | 16.97 | . Q | . V | . | . | . |
| 14.667 | 7.6566 | 17.03 | . Q | . V | . | . | . |
| 14.683 | 7.6801 | 17.08 | . Q | . V | . | . | . |
| 14.700 | 7.7037 | 17.15 | . Q | . V | . | . | . |
| 14.717 | 7.7275 | 17.28 | . Q | . V | . | . | . |
| 14.733 | 7.7515 | 17.44 | . Q | . V | . | . | . |
| 14.750 | 7.7758 | 17.60 | . Q | . V | . | . | . |
| 14.767 | 7.8002 | 17.76 | . Q | . V | . | . | . |
| 14.783 | 7.8249 | 17.91 | . Q | . V | . | . | . |
| 14.800 | 7.8498 | 18.07 | . Q | . V | . | . | . |
| 14.817 | 7.8749 | 18.23 | . Q | . V | . | . | . |
| 14.833 | 7.9002 | 18.39 | . Q | . V | . | . | . |
| 14.850 | 7.9258 | 18.54 | . Q | . V | . | . | . |
| 14.867 | 7.9515 | 18.70 | . Q | . V | . | . | . |
| 14.883 | 7.9775 | 18.86 | . Q | . V | . | . | . |
| 14.900 | 8.0037 | 19.02 | . Q | . V | . | . | . |
| 14.917 | 8.0301 | 19.17 | . Q | . V | . | . | . |
| 14.933 | 8.0567 | 19.33 | . Q | . V | . | . | . |
| 14.950 | 8.0836 | 19.49 | . Q | . V | . | . | . |
| 14.967 | 8.1106 | 19.65 | . Q | . V | . | . | . |
| 14.983 | 8.1379 | 19.80 | . Q | . V | . | . | . |
| 15.000 | 8.1654 | 19.96 | . Q | . V | . | . | . |
| 15.017 | 8.1931 | 20.12 | . Q | . V | . | . | . |
| 15.033 | 8.2210 | 20.26 | . Q | . V | . | . | . |
| 15.050 | 8.2491 | 20.38 | . Q | . V | . | . | . |
| 15.067 | 8.2773 | 20.50 | . Q | . V | . | . | . |
| 15.083 | 8.3057 | 20.62 | . Q | . V | . | . | . |
| 15.100 | 8.3343 | 20.73 | . Q | . V | . | . | . |
| 15.117 | 8.3630 | 20.85 | . Q | . V | . | . | . |
| 15.133 | 8.3919 | 20.97 | . Q | . V | . | . | . |
| 15.150 | 8.4209 | 21.08 | . Q | . V | . | . | . |
| 15.167 | 8.4501 | 21.20 | . Q | . V | . | . | . |
| 15.183 | 8.4795 | 21.32 | . Q | . V | . | . | . |
| 15.200 | 8.5090 | 21.43 | . Q | . V | . | . | . |
| 15.217 | 8.5387 | 21.55 | . Q | . V | . | . | . |
| 15.233 | 8.5686 | 21.67 | . Q | . V | . | . | . |
| 15.250 | 8.5986 | 21.79 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|----|---|---|---|
| 15.267 | 8.6287 | 21.90 | . | Q | . | V | . | . | . |
| 15.283 | 8.6591 | 22.02 | . | Q | . | V | . | . | . |
| 15.300 | 8.6896 | 22.14 | . | Q | . | V | . | . | . |
| 15.317 | 8.7202 | 22.25 | . | Q | . | V | . | . | . |
| 15.333 | 8.7510 | 22.37 | . | Q | . | V | . | . | . |
| 15.350 | 8.7820 | 22.49 | . | Q | . | V | . | . | . |
| 15.367 | 8.8133 | 22.72 | . | Q | . | V | . | . | . |
| 15.383 | 8.8450 | 23.01 | . | Q | . | V | . | . | . |
| 15.400 | 8.8771 | 23.31 | . | Q | . | V | . | . | . |
| 15.417 | 8.9096 | 23.60 | . | Q | . | V | . | . | . |
| 15.433 | 8.9425 | 23.89 | . | Q | . | V | . | . | . |
| 15.450 | 8.9758 | 24.18 | . | Q | . | V | . | . | . |
| 15.467 | 9.0095 | 24.47 | . | Q | . | V | . | . | . |
| 15.483 | 9.0436 | 24.77 | . | Q | . | V | . | . | . |
| 15.500 | 9.0782 | 25.06 | . | Q | . | V | . | . | . |
| 15.517 | 9.1131 | 25.35 | . | Q | . | V | . | . | . |
| 15.533 | 9.1484 | 25.64 | . | Q | . | V | . | . | . |
| 15.550 | 9.1841 | 25.93 | . | Q | . | V | . | . | . |
| 15.567 | 9.2202 | 26.23 | . | Q | . | V | . | . | . |
| 15.583 | 9.2568 | 26.52 | . | Q | . | V | . | . | . |
| 15.600 | 9.2937 | 26.81 | . | Q | . | V | . | . | . |
| 15.617 | 9.3310 | 27.10 | . | Q | . | V | . | . | . |
| 15.633 | 9.3688 | 27.39 | . | Q | . | V | . | . | . |
| 15.650 | 9.4069 | 27.69 | . | Q | . | V | . | . | . |
| 15.667 | 9.4454 | 27.98 | . | Q | . | V | . | . | . |
| 15.683 | 9.4844 | 28.32 | . | Q | . | V | . | . | . |
| 15.700 | 9.5242 | 28.90 | . | Q | . | V | . | . | . |
| 15.717 | 9.5649 | 29.50 | . | Q | . | V | . | . | . |
| 15.733 | 9.6063 | 30.10 | . | Q | . | V | . | . | . |
| 15.750 | 9.6486 | 30.71 | . | Q | . | V | . | . | . |
| 15.767 | 9.6918 | 31.31 | . | Q | . | V | . | . | . |
| 15.783 | 9.7357 | 31.91 | . | Q | . | V | . | . | . |
| 15.800 | 9.7805 | 32.51 | . | Q | . | V | . | . | . |
| 15.817 | 9.8261 | 33.11 | . | Q | . | V | . | . | . |
| 15.833 | 9.8725 | 33.72 | . | Q | . | V | . | . | . |
| 15.850 | 9.9198 | 34.32 | . | Q | . | V | . | . | . |
| 15.867 | 9.9679 | 34.92 | . | Q | . | V | . | . | . |
| 15.883 | 10.0168 | 35.52 | . | Q | . | V | . | . | . |
| 15.900 | 10.0666 | 36.12 | . | Q | . | V | . | . | . |
| 15.917 | 10.1172 | 36.73 | . | Q | . | V | . | . | . |
| 15.933 | 10.1686 | 37.33 | . | Q | . | V | . | . | . |
| 15.950 | 10.2208 | 37.93 | . | Q | . | V | . | . | . |
| 15.967 | 10.2739 | 38.53 | . | Q | . | V | . | . | . |
| 15.983 | 10.3278 | 39.13 | . | Q | . | V | . | . | . |
| 16.000 | 10.3826 | 39.74 | . | Q | . | V | . | . | . |
| 16.017 | 10.4418 | 43.04 | . | Q | . | V | . | . | . |
| 16.033 | 10.5094 | 49.04 | . | . | Q | V | . | . | . |
| 16.050 | 10.5852 | 55.04 | . | . | Q | .V | . | . | . |
| 16.067 | 10.6693 | 61.04 | . | . | Q | .V | . | . | . |
| 16.083 | 10.7616 | 67.04 | . | . | Q | .V | . | . | . |
| 16.100 | 10.8622 | 73.04 | . | . | Q | .V | . | . | . |
| 16.117 | 10.9711 | 79.05 | . | . | Q | V | . | . | . |
| 16.133 | 11.0883 | 85.05 | . | . | Q | V | . | . | . |
| 16.150 | 11.2137 | 91.05 | . | . | Q | V | . | . | . |
| 16.167 | 11.3473 | 97.05 | . | . | Q | V | . | . | . |
| 16.183 | 11.4893 | 103.05 | . | . | Q | V | . | . | . |
| 16.200 | 11.6395 | 109.05 | . | . | Q | V | . | . | . |
| 16.217 | 11.7980 | 115.05 | . | . | Q | V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|----|---|---|
| 16.233 | 11.9647 | 121.06 | . | . | . | V | Q | . | . |
| 16.250 | 12.1397 | 127.06 | . | . | . | V | .Q | . | . |
| 16.267 | 12.3230 | 133.06 | . | . | . | V | .Q | . | . |
| 16.283 | 12.5145 | 139.06 | . | . | . | V | .Q | . | . |
| 16.300 | 12.7144 | 145.06 | . | . | . | V | .Q | . | . |
| 16.317 | 12.9224 | 151.06 | . | . | . | V | .Q | . | . |
| 16.333 | 13.1395 | 157.60 | . | . | . | V | .Q | . | . |
| 16.350 | 13.3481 | 151.47 | . | . | . | V | .Q | . | . |
| 16.367 | 13.5475 | 144.73 | . | . | . | V | .Q | . | . |
| 16.383 | 13.7376 | 138.00 | . | . | . | V | .Q | . | . |
| 16.400 | 13.9184 | 131.26 | . | . | . | V | .Q | . | . |
| 16.417 | 14.0899 | 124.52 | . | . | . | V | .Q | . | . |
| 16.433 | 14.2521 | 117.78 | . | . | . | V | .Q | . | . |
| 16.450 | 14.4051 | 111.04 | . | . | . | V | .Q | . | . |
| 16.467 | 14.5488 | 104.31 | . | . | . | V | .Q | . | . |
| 16.483 | 14.6831 | 97.57 | . | . | . | V | .Q | . | . |
| 16.500 | 14.8083 | 90.83 | . | . | . | V | .Q | . | . |
| 16.517 | 14.9241 | 84.09 | . | . | . | V | .Q | . | . |
| 16.533 | 15.0306 | 77.36 | . | . | . | V | .Q | . | . |
| 16.550 | 15.1279 | 70.62 | . | . | . | V | .Q | . | . |
| 16.567 | 15.2159 | 63.88 | . | . | . | V | .Q | . | . |
| 16.583 | 15.2946 | 57.14 | . | . | . | V | .Q | . | . |
| 16.600 | 15.3640 | 50.40 | . | . | . | V | .Q | . | . |
| 16.617 | 15.4242 | 43.67 | . | . | . | V | .Q | . | . |
| 16.633 | 15.4750 | 36.93 | . | . | . | V | .Q | . | . |
| 16.650 | 15.5166 | 30.19 | . | . | . | V | .Q | . | . |
| 16.667 | 15.5519 | 25.60 | . | . | . | V | .Q | . | . |
| 16.683 | 15.5865 | 25.13 | . | . | . | V | .Q | . | . |
| 16.700 | 15.6206 | 24.77 | . | . | . | V | .Q | . | . |
| 16.717 | 15.6542 | 24.41 | . | . | . | V | .Q | . | . |
| 16.733 | 15.6873 | 24.04 | . | . | . | V | .Q | . | . |
| 16.750 | 15.7200 | 23.68 | . | . | . | V | .Q | . | . |
| 16.767 | 15.7521 | 23.32 | . | . | . | V | .Q | . | . |
| 16.783 | 15.7837 | 22.96 | . | . | . | V | .Q | . | . |
| 16.800 | 15.8148 | 22.59 | . | . | . | V | .Q | . | . |
| 16.817 | 15.8454 | 22.23 | . | . | . | V | .Q | . | . |
| 16.833 | 15.8756 | 21.87 | . | . | . | V | .Q | . | . |
| 16.850 | 15.9052 | 21.51 | . | . | . | V | .Q | . | . |
| 16.867 | 15.9343 | 21.14 | . | . | . | V | .Q | . | . |
| 16.883 | 15.9629 | 20.78 | . | . | . | V | .Q | . | . |
| 16.900 | 15.9910 | 20.42 | . | . | . | V | .Q | . | . |
| 16.917 | 16.0187 | 20.06 | . | . | . | V | .Q | . | . |
| 16.933 | 16.0458 | 19.69 | . | . | . | V | .Q | . | . |
| 16.950 | 16.0724 | 19.33 | . | . | . | V | .Q | . | . |
| 16.967 | 16.0986 | 18.97 | . | . | . | V | .Q | . | . |
| 16.983 | 16.1242 | 18.61 | . | . | . | V | .Q | . | . |
| 17.000 | 16.1495 | 18.38 | . | . | . | V | .Q | . | . |
| 17.017 | 16.1746 | 18.20 | . | . | . | V | .Q | . | . |
| 17.033 | 16.1994 | 18.02 | . | . | . | V | .Q | . | . |
| 17.050 | 16.2240 | 17.85 | . | . | . | V | .Q | . | . |
| 17.067 | 16.2483 | 17.67 | . | . | . | V | .Q | . | . |
| 17.083 | 16.2724 | 17.49 | . | . | . | V | .Q | . | . |
| 17.100 | 16.2963 | 17.31 | . | . | . | V | .Q | . | . |
| 17.117 | 16.3199 | 17.14 | . | . | . | V | .Q | . | . |
| 17.133 | 16.3432 | 16.96 | . | . | . | V | .Q | . | . |
| 17.150 | 16.3663 | 16.78 | . | . | . | V | .Q | . | . |
| 17.167 | 16.3892 | 16.61 | . | . | . | V | .Q | . | . |
| 17.183 | 16.4118 | 16.43 | . | . | . | V | .Q | . | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|
| 17.200 | 16.4342 | 16.25 | . | Q | . | . | . | V | . |
| 17.217 | 16.4564 | 16.07 | . | Q | . | . | . | V | . |
| 17.233 | 16.4783 | 15.90 | . | Q | . | . | . | V | . |
| 17.250 | 16.4999 | 15.72 | . | Q | . | . | . | V | . |
| 17.267 | 16.5213 | 15.54 | . | Q | . | . | . | V | . |
| 17.283 | 16.5425 | 15.37 | . | Q | . | . | . | V | . |
| 17.300 | 16.5634 | 15.19 | . | Q | . | . | . | V | . |
| 17.317 | 16.5841 | 15.03 | . | Q | . | . | . | V | . |
| 17.333 | 16.6047 | 14.91 | . | Q | . | . | . | V | . |
| 17.350 | 16.6251 | 14.81 | . | Q | . | . | . | V | . |
| 17.367 | 16.6453 | 14.70 | . | Q | . | . | . | V | . |
| 17.383 | 16.6654 | 14.60 | . | Q | . | . | . | V | . |
| 17.400 | 16.6854 | 14.49 | . | Q | . | . | . | V | . |
| 17.417 | 16.7052 | 14.39 | . | Q | . | . | . | V | . |
| 17.433 | 16.7249 | 14.28 | . | Q | . | . | . | V | . |
| 17.450 | 16.7444 | 14.17 | . | Q | . | . | . | V | . |
| 17.467 | 16.7638 | 14.07 | . | Q | . | . | . | V | . |
| 17.483 | 16.7830 | 13.96 | . | Q | . | . | . | V | . |
| 17.500 | 16.8021 | 13.86 | . | Q | . | . | . | V | . |
| 17.517 | 16.8210 | 13.75 | . | Q | . | . | . | V | . |
| 17.533 | 16.8398 | 13.65 | . | Q | . | . | . | V | . |
| 17.550 | 16.8585 | 13.54 | . | Q | . | . | . | V | . |
| 17.567 | 16.8770 | 13.43 | . | Q | . | . | . | V | . |
| 17.583 | 16.8953 | 13.33 | . | Q | . | . | . | V | . |
| 17.600 | 16.9135 | 13.22 | . | Q | . | . | . | V | . |
| 17.617 | 16.9316 | 13.12 | . | Q | . | . | . | V | . |
| 17.633 | 16.9495 | 13.01 | . | Q | . | . | . | V | . |
| 17.650 | 16.9673 | 12.92 | . | Q | . | . | . | V | . |
| 17.667 | 16.9850 | 12.85 | . | Q | . | . | . | V | . |
| 17.683 | 17.0026 | 12.78 | . | Q | . | . | . | V | . |
| 17.700 | 17.0201 | 12.71 | . | Q | . | . | . | V | . |
| 17.717 | 17.0375 | 12.64 | . | Q | . | . | . | V | . |
| 17.733 | 17.0549 | 12.56 | . | Q | . | . | . | V | . |
| 17.750 | 17.0721 | 12.49 | . | Q | . | . | . | V | . |
| 17.767 | 17.0892 | 12.42 | . | Q | . | . | . | V | . |
| 17.783 | 17.1062 | 12.35 | . | Q | . | . | . | V | . |
| 17.800 | 17.1231 | 12.28 | . | Q | . | . | . | V | . |
| 17.817 | 17.1399 | 12.20 | . | Q | . | . | . | V | . |
| 17.833 | 17.1566 | 12.13 | . | Q | . | . | . | V | . |
| 17.850 | 17.1732 | 12.06 | . | Q | . | . | . | V | . |
| 17.867 | 17.1897 | 11.99 | . | Q | . | . | . | V | . |
| 17.883 | 17.2062 | 11.92 | . | Q | . | . | . | V | . |
| 17.900 | 17.2225 | 11.84 | . | Q | . | . | . | V | . |
| 17.917 | 17.2387 | 11.77 | . | Q | . | . | . | V | . |
| 17.933 | 17.2548 | 11.70 | . | Q | . | . | . | V | . |
| 17.950 | 17.2708 | 11.63 | . | Q | . | . | . | V | . |
| 17.967 | 17.2867 | 11.55 | . | Q | . | . | . | V | . |
| 17.983 | 17.3025 | 11.44 | . | Q | . | . | . | V | . |
| 18.000 | 17.3181 | 11.31 | . | Q | . | . | . | V | . |
| 18.017 | 17.3335 | 11.19 | . | Q | . | . | . | V | . |
| 18.033 | 17.3487 | 11.07 | . | Q | . | . | . | V | . |
| 18.050 | 17.3638 | 10.95 | . | Q | . | . | . | V | . |
| 18.067 | 17.3787 | 10.83 | . | Q | . | . | . | V | . |
| 18.083 | 17.3935 | 10.70 | . | Q | . | . | . | V | . |
| 18.100 | 17.4081 | 10.58 | . | Q | . | . | . | V | . |
| 18.117 | 17.4225 | 10.46 | . | Q | . | . | . | V | . |
| 18.133 | 17.4367 | 10.34 | . | Q | . | . | . | V | . |
| 18.150 | 17.4508 | 10.22 | . | Q | . | . | . | V | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|
| 18.167 | 17.4647 | 10.09 | . | Q | . | . | . | V | . |
| 18.183 | 17.4784 | 9.97 | . | Q | . | . | . | V | . |
| 18.200 | 17.4920 | 9.85 | . | Q | . | . | . | V | . |
| 18.217 | 17.5054 | 9.73 | . | Q | . | . | . | V | . |
| 18.233 | 17.5186 | 9.61 | . | Q | . | . | . | V | . |
| 18.250 | 17.5317 | 9.49 | . | Q | . | . | . | V | . |
| 18.267 | 17.5446 | 9.36 | . | Q | . | . | . | V | . |
| 18.283 | 17.5573 | 9.24 | . | Q | . | . | . | V | . |
| 18.300 | 17.5699 | 9.13 | . | Q | . | . | . | V | . |
| 18.317 | 17.5824 | 9.05 | . | Q | . | . | . | V | . |
| 18.333 | 17.5947 | 8.97 | . | Q | . | . | . | V | . |
| 18.350 | 17.6070 | 8.89 | . | Q | . | . | . | V | . |
| 18.367 | 17.6191 | 8.81 | . | Q | . | . | . | V | . |
| 18.383 | 17.6312 | 8.73 | . | Q | . | . | . | V | . |
| 18.400 | 17.6431 | 8.65 | . | Q | . | . | . | V | . |
| 18.417 | 17.6549 | 8.57 | . | Q | . | . | . | V | . |
| 18.433 | 17.6666 | 8.49 | . | Q | . | . | . | V | . |
| 18.450 | 17.6782 | 8.41 | . | Q | . | . | . | V | . |
| 18.467 | 17.6896 | 8.33 | . | Q | . | . | . | V | . |
| 18.483 | 17.7010 | 8.25 | . | Q | . | . | . | V | . |
| 18.500 | 17.7123 | 8.17 | . | Q | . | . | . | V | . |
| 18.517 | 17.7234 | 8.09 | . | Q | . | . | . | V | . |
| 18.533 | 17.7344 | 8.01 | . | Q | . | . | . | V | . |
| 18.550 | 17.7454 | 7.93 | . | Q | . | . | . | V | . |
| 18.567 | 17.7562 | 7.85 | . | Q | . | . | . | V | . |
| 18.583 | 17.7669 | 7.77 | . | Q | . | . | . | V | . |
| 18.600 | 17.7775 | 7.69 | . | Q | . | . | . | V | . |
| 18.617 | 17.7880 | 7.61 | . | Q | . | . | . | V | . |
| 18.633 | 17.7984 | 7.57 | . | Q | . | . | . | V | . |
| 18.650 | 17.8088 | 7.54 | . | Q | . | . | . | V | . |
| 18.667 | 17.8191 | 7.51 | . | Q | . | . | . | V | . |
| 18.683 | 17.8294 | 7.48 | . | Q | . | . | . | V | . |
| 18.700 | 17.8397 | 7.45 | . | Q | . | . | . | V | . |
| 18.717 | 17.8499 | 7.42 | . | Q | . | . | . | V | . |
| 18.733 | 17.8600 | 7.38 | . | Q | . | . | . | V | . |
| 18.750 | 17.8702 | 7.35 | . | Q | . | . | . | V | . |
| 18.767 | 17.8803 | 7.32 | . | Q | . | . | . | V | . |
| 18.783 | 17.8903 | 7.29 | . | Q | . | . | . | V | . |
| 18.800 | 17.9003 | 7.26 | . | Q | . | . | . | V | . |
| 18.817 | 17.9103 | 7.23 | . | Q | . | . | . | V | . |
| 18.833 | 17.9202 | 7.20 | . | Q | . | . | . | V | . |
| 18.850 | 17.9301 | 7.17 | . | Q | . | . | . | V | . |
| 18.867 | 17.9399 | 7.14 | . | Q | . | . | . | V | . |
| 18.883 | 17.9497 | 7.11 | . | Q | . | . | . | V | . |
| 18.900 | 17.9594 | 7.08 | . | Q | . | . | . | V | . |
| 18.917 | 17.9691 | 7.05 | . | Q | . | . | . | V | . |
| 18.933 | 17.9788 | 7.02 | . | Q | . | . | . | V | . |
| 18.950 | 17.9884 | 6.99 | . | Q | . | . | . | V | . |
| 18.967 | 17.9980 | 6.96 | . | Q | . | . | . | V | . |
| 18.983 | 18.0076 | 6.94 | . | Q | . | . | . | V | . |
| 19.000 | 18.0171 | 6.91 | . | Q | . | . | . | V | . |
| 19.017 | 18.0266 | 6.89 | . | Q | . | . | . | V | . |
| 19.033 | 18.0360 | 6.86 | . | Q | . | . | . | V | . |
| 19.050 | 18.0455 | 6.84 | . | Q | . | . | . | V | . |
| 19.067 | 18.0548 | 6.81 | . | Q | . | . | . | V | . |
| 19.083 | 18.0642 | 6.79 | . | Q | . | . | . | V | . |
| 19.100 | 18.0735 | 6.76 | . | Q | . | . | . | V | . |
| 19.117 | 18.0828 | 6.74 | . | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 19.133 | 18.0920 | 6.71 | .Q | . | . | . | V | . |
| 19.150 | 18.1012 | 6.69 | .Q | . | . | . | V | . |
| 19.167 | 18.1104 | 6.66 | .Q | . | . | . | V | . |
| 19.183 | 18.1196 | 6.64 | .Q | . | . | . | V | . |
| 19.200 | 18.1287 | 6.61 | .Q | . | . | . | V | . |
| 19.217 | 18.1377 | 6.59 | .Q | . | . | . | V | . |
| 19.233 | 18.1468 | 6.56 | .Q | . | . | . | V | . |
| 19.250 | 18.1558 | 6.54 | .Q | . | . | . | V | . |
| 19.267 | 18.1647 | 6.51 | .Q | . | . | . | V | . |
| 19.283 | 18.1737 | 6.49 | .Q | . | . | . | V | . |
| 19.300 | 18.1826 | 6.47 | .Q | . | . | . | V | . |
| 19.317 | 18.1915 | 6.45 | .Q | . | . | . | V | . |
| 19.333 | 18.2003 | 6.43 | .Q | . | . | . | V | . |
| 19.350 | 18.2091 | 6.40 | .Q | . | . | . | V | . |
| 19.367 | 18.2179 | 6.38 | .Q | . | . | . | V | . |
| 19.383 | 18.2267 | 6.36 | .Q | . | . | . | V | . |
| 19.400 | 18.2354 | 6.34 | .Q | . | . | . | V | . |
| 19.417 | 18.2441 | 6.32 | .Q | . | . | . | V | . |
| 19.433 | 18.2528 | 6.30 | .Q | . | . | . | V | . |
| 19.450 | 18.2615 | 6.28 | .Q | . | . | . | V | . |
| 19.467 | 18.2701 | 6.26 | .Q | . | . | . | V | . |
| 19.483 | 18.2787 | 6.24 | .Q | . | . | . | V | . |
| 19.500 | 18.2872 | 6.22 | .Q | . | . | . | V | . |
| 19.517 | 18.2958 | 6.19 | .Q | . | . | . | V | . |
| 19.533 | 18.3043 | 6.17 | .Q | . | . | . | V | . |
| 19.550 | 18.3127 | 6.15 | .Q | . | . | . | V | . |
| 19.567 | 18.3212 | 6.13 | .Q | . | . | . | V | . |
| 19.583 | 18.3296 | 6.11 | .Q | . | . | . | V | . |
| 19.600 | 18.3380 | 6.09 | .Q | . | . | . | V | . |
| 19.617 | 18.3464 | 6.07 | .Q | . | . | . | V | . |
| 19.633 | 18.3547 | 6.05 | .Q | . | . | . | V | . |
| 19.650 | 18.3630 | 6.04 | .Q | . | . | . | V | . |
| 19.667 | 18.3713 | 6.02 | .Q | . | . | . | V | . |
| 19.683 | 18.3796 | 6.00 | .Q | . | . | . | V | . |
| 19.700 | 18.3878 | 5.98 | .Q | . | . | . | V | . |
| 19.717 | 18.3960 | 5.96 | .Q | . | . | . | V | . |
| 19.733 | 18.4042 | 5.95 | .Q | . | . | . | V | . |
| 19.750 | 18.4124 | 5.93 | .Q | . | . | . | V | . |
| 19.767 | 18.4205 | 5.91 | .Q | . | . | . | V | . |
| 19.783 | 18.4286 | 5.89 | .Q | . | . | . | V | . |
| 19.800 | 18.4367 | 5.88 | .Q | . | . | . | V | . |
| 19.817 | 18.4448 | 5.86 | .Q | . | . | . | V | . |
| 19.833 | 18.4528 | 5.84 | .Q | . | . | . | V | . |
| 19.850 | 18.4609 | 5.82 | .Q | . | . | . | V | . |
| 19.867 | 18.4689 | 5.80 | .Q | . | . | . | V | . |
| 19.883 | 18.4768 | 5.79 | .Q | . | . | . | V | . |
| 19.900 | 18.4848 | 5.77 | .Q | . | . | . | V | . |
| 19.917 | 18.4927 | 5.75 | .Q | . | . | . | V | . |
| 19.933 | 18.5006 | 5.73 | .Q | . | . | . | V | . |
| 19.950 | 18.5085 | 5.72 | .Q | . | . | . | V | . |
| 19.967 | 18.5163 | 5.70 | .Q | . | . | . | V | . |
| 19.983 | 18.5242 | 5.69 | .Q | . | . | . | V | . |
| 20.000 | 18.5320 | 5.67 | .Q | . | . | . | V | . |
| 20.017 | 18.5398 | 5.66 | .Q | . | . | . | V | . |
| 20.033 | 18.5475 | 5.64 | .Q | . | . | . | V | . |
| 20.050 | 18.5553 | 5.63 | .Q | . | . | . | V | . |
| 20.067 | 18.5630 | 5.61 | .Q | . | . | . | V | . |
| 20.083 | 18.5707 | 5.60 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 20.100 | 18.5784 | 5.58 | .Q | . | . | . | V | . |
| 20.117 | 18.5861 | 5.56 | .Q | . | . | . | V | . |
| 20.133 | 18.5937 | 5.55 | .Q | . | . | . | V | . |
| 20.150 | 18.6013 | 5.53 | .Q | . | . | . | V | . |
| 20.167 | 18.6089 | 5.52 | .Q | . | . | . | V | . |
| 20.183 | 18.6165 | 5.50 | .Q | . | . | . | V | . |
| 20.200 | 18.6241 | 5.49 | .Q | . | . | . | V | . |
| 20.217 | 18.6316 | 5.47 | .Q | . | . | . | V | . |
| 20.233 | 18.6391 | 5.46 | .Q | . | . | . | V | . |
| 20.250 | 18.6466 | 5.44 | .Q | . | . | . | V | . |
| 20.267 | 18.6541 | 5.43 | .Q | . | . | . | V | . |
| 20.283 | 18.6616 | 5.41 | .Q | . | . | . | V | . |
| 20.300 | 18.6690 | 5.40 | .Q | . | . | . | V | . |
| 20.317 | 18.6764 | 5.39 | .Q | . | . | . | V | . |
| 20.333 | 18.6838 | 5.37 | .Q | . | . | . | V | . |
| 20.350 | 18.6912 | 5.36 | .Q | . | . | . | V | . |
| 20.367 | 18.6986 | 5.35 | .Q | . | . | . | V | . |
| 20.383 | 18.7059 | 5.33 | .Q | . | . | . | V | . |
| 20.400 | 18.7132 | 5.32 | .Q | . | . | . | V | . |
| 20.417 | 18.7205 | 5.31 | .Q | . | . | . | V | . |
| 20.433 | 18.7278 | 5.29 | .Q | . | . | . | V | . |
| 20.450 | 18.7351 | 5.28 | .Q | . | . | . | V | . |
| 20.467 | 18.7423 | 5.27 | .Q | . | . | . | V | . |
| 20.483 | 18.7496 | 5.25 | .Q | . | . | . | V | . |
| 20.500 | 18.7568 | 5.24 | .Q | . | . | . | V | . |
| 20.517 | 18.7640 | 5.22 | .Q | . | . | . | V | . |
| 20.533 | 18.7712 | 5.21 | .Q | . | . | . | V | . |
| 20.550 | 18.7783 | 5.20 | .Q | . | . | . | V | . |
| 20.567 | 18.7855 | 5.18 | .Q | . | . | . | V | . |
| 20.583 | 18.7926 | 5.17 | .Q | . | . | . | V | . |
| 20.600 | 18.7997 | 5.16 | .Q | . | . | . | V | . |
| 20.617 | 18.8068 | 5.15 | .Q | . | . | . | V | . |
| 20.633 | 18.8139 | 5.14 | .Q | . | . | . | V | . |
| 20.650 | 18.8209 | 5.12 | .Q | . | . | . | V | . |
| 20.667 | 18.8280 | 5.11 | .Q | . | . | . | V | . |
| 20.683 | 18.8350 | 5.10 | .Q | . | . | . | V | . |
| 20.700 | 18.8420 | 5.09 | .Q | . | . | . | V | . |
| 20.717 | 18.8490 | 5.08 | .Q | . | . | . | V | . |
| 20.733 | 18.8560 | 5.06 | .Q | . | . | . | V | . |
| 20.750 | 18.8629 | 5.05 | .Q | . | . | . | V | . |
| 20.767 | 18.8699 | 5.04 | .Q | . | . | . | V | . |
| 20.783 | 18.8768 | 5.03 | .Q | . | . | . | V | . |
| 20.800 | 18.8837 | 5.02 | .Q | . | . | . | V | . |
| 20.817 | 18.8906 | 5.00 | .Q | . | . | . | V | . |
| 20.833 | 18.8975 | 4.99 | .Q | . | . | . | V | . |
| 20.850 | 18.9043 | 4.98 | .Q | . | . | . | V | . |
| 20.867 | 18.9112 | 4.97 | .Q | . | . | . | V | . |
| 20.883 | 18.9180 | 4.96 | .Q | . | . | . | V | . |
| 20.900 | 18.9248 | 4.94 | .Q | . | . | . | V | . |
| 20.917 | 18.9316 | 4.93 | .Q | . | . | . | V | . |
| 20.933 | 18.9384 | 4.92 | .Q | . | . | . | V | . |
| 20.950 | 18.9452 | 4.91 | .Q | . | . | . | V | . |
| 20.967 | 18.9519 | 4.90 | .Q | . | . | . | V | . |
| 20.983 | 18.9586 | 4.89 | .Q | . | . | . | V | . |
| 21.000 | 18.9654 | 4.88 | .Q | . | . | . | V | . |
| 21.017 | 18.9721 | 4.87 | .Q | . | . | . | V | . |
| 21.033 | 18.9788 | 4.86 | .Q | . | . | . | V | . |
| 21.050 | 18.9854 | 4.85 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 21.067 | 18.9921 | 4.84 | .Q | . | . | . | V | . |
| 21.083 | 18.9988 | 4.83 | .Q | . | . | . | V | . |
| 21.100 | 19.0054 | 4.82 | .Q | . | . | . | V | . |
| 21.117 | 19.0120 | 4.81 | .Q | . | . | . | V | . |
| 21.133 | 19.0186 | 4.80 | .Q | . | . | . | V | . |
| 21.150 | 19.0252 | 4.79 | .Q | . | . | . | V | . |
| 21.167 | 19.0318 | 4.77 | .Q | . | . | . | V | . |
| 21.183 | 19.0384 | 4.76 | .Q | . | . | . | V | . |
| 21.200 | 19.0449 | 4.75 | .Q | . | . | . | V | . |
| 21.217 | 19.0514 | 4.74 | .Q | . | . | . | V | . |
| 21.233 | 19.0579 | 4.73 | .Q | . | . | . | V | . |
| 21.250 | 19.0645 | 4.72 | .Q | . | . | . | V | . |
| 21.267 | 19.0709 | 4.71 | .Q | . | . | . | V | . |
| 21.283 | 19.0774 | 4.70 | .Q | . | . | . | V | . |
| 21.300 | 19.0839 | 4.69 | .Q | . | . | . | V | . |
| 21.317 | 19.0903 | 4.68 | .Q | . | . | . | V | . |
| 21.333 | 19.0968 | 4.67 | .Q | . | . | . | V | . |
| 21.350 | 19.1032 | 4.67 | .Q | . | . | . | V | . |
| 21.367 | 19.1096 | 4.66 | .Q | . | . | . | V | . |
| 21.383 | 19.1160 | 4.65 | .Q | . | . | . | V | . |
| 21.400 | 19.1224 | 4.64 | .Q | . | . | . | V | . |
| 21.417 | 19.1288 | 4.63 | .Q | . | . | . | V | . |
| 21.433 | 19.1351 | 4.62 | .Q | . | . | . | V | . |
| 21.450 | 19.1415 | 4.61 | .Q | . | . | . | V | . |
| 21.467 | 19.1478 | 4.60 | .Q | . | . | . | V | . |
| 21.483 | 19.1541 | 4.59 | .Q | . | . | . | V | . |
| 21.500 | 19.1605 | 4.58 | .Q | . | . | . | V | . |
| 21.517 | 19.1667 | 4.57 | .Q | . | . | . | V | . |
| 21.533 | 19.1730 | 4.56 | .Q | . | . | . | V | . |
| 21.550 | 19.1793 | 4.55 | .Q | . | . | . | V | . |
| 21.567 | 19.1856 | 4.54 | .Q | . | . | . | V | . |
| 21.583 | 19.1918 | 4.53 | .Q | . | . | . | V | . |
| 21.600 | 19.1980 | 4.52 | .Q | . | . | . | V | . |
| 21.617 | 19.2043 | 4.52 | .Q | . | . | . | V | . |
| 21.633 | 19.2105 | 4.51 | .Q | . | . | . | V | . |
| 21.650 | 19.2167 | 4.50 | .Q | . | . | . | V | . |
| 21.667 | 19.2228 | 4.49 | .Q | . | . | . | V | . |
| 21.683 | 19.2290 | 4.48 | .Q | . | . | . | V | . |
| 21.700 | 19.2352 | 4.47 | .Q | . | . | . | V | . |
| 21.717 | 19.2413 | 4.46 | .Q | . | . | . | V | . |
| 21.733 | 19.2475 | 4.46 | .Q | . | . | . | V | . |
| 21.750 | 19.2536 | 4.45 | .Q | . | . | . | V | . |
| 21.767 | 19.2597 | 4.44 | .Q | . | . | . | V | . |
| 21.783 | 19.2658 | 4.43 | .Q | . | . | . | V | . |
| 21.800 | 19.2719 | 4.42 | .Q | . | . | . | V | . |
| 21.817 | 19.2780 | 4.41 | .Q | . | . | . | V | . |
| 21.833 | 19.2840 | 4.40 | .Q | . | . | . | V | . |
| 21.850 | 19.2901 | 4.40 | .Q | . | . | . | V | . |
| 21.867 | 19.2961 | 4.39 | .Q | . | . | . | V | . |
| 21.883 | 19.3022 | 4.38 | .Q | . | . | . | V | . |
| 21.900 | 19.3082 | 4.37 | .Q | . | . | . | V | . |
| 21.917 | 19.3142 | 4.36 | .Q | . | . | . | V | . |
| 21.933 | 19.3202 | 4.35 | .Q | . | . | . | V | . |
| 21.950 | 19.3262 | 4.35 | .Q | . | . | . | V | . |
| 21.967 | 19.3322 | 4.34 | .Q | . | . | . | V | . |
| 21.983 | 19.3381 | 4.33 | .Q | . | . | . | V | . |
| 22.000 | 19.3441 | 4.32 | .Q | . | . | . | V | . |
| 22.017 | 19.3500 | 4.32 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 22.033 | 19.3560 | 4.31 | .Q | . | . | . | V | . |
| 22.050 | 19.3619 | 4.30 | .Q | . | . | . | V | . |
| 22.067 | 19.3678 | 4.29 | .Q | . | . | . | V | . |
| 22.083 | 19.3737 | 4.28 | .Q | . | . | . | V | . |
| 22.100 | 19.3796 | 4.28 | .Q | . | . | . | V | . |
| 22.117 | 19.3855 | 4.27 | .Q | . | . | . | V | . |
| 22.133 | 19.3913 | 4.26 | .Q | . | . | . | V | . |
| 22.150 | 19.3972 | 4.25 | .Q | . | . | . | V | . |
| 22.167 | 19.4030 | 4.24 | .Q | . | . | . | V | . |
| 22.183 | 19.4089 | 4.24 | .Q | . | . | . | V | . |
| 22.200 | 19.4147 | 4.23 | .Q | . | . | . | V | . |
| 22.217 | 19.4205 | 4.22 | .Q | . | . | . | V | . |
| 22.233 | 19.4263 | 4.21 | .Q | . | . | . | V | . |
| 22.250 | 19.4321 | 4.21 | .Q | . | . | . | V | . |
| 22.267 | 19.4379 | 4.20 | .Q | . | . | . | V | . |
| 22.283 | 19.4437 | 4.19 | .Q | . | . | . | V | . |
| 22.300 | 19.4494 | 4.19 | .Q | . | . | . | V | . |
| 22.317 | 19.4552 | 4.18 | .Q | . | . | . | V | . |
| 22.333 | 19.4609 | 4.17 | .Q | . | . | . | V | . |
| 22.350 | 19.4667 | 4.16 | .Q | . | . | . | V | . |
| 22.367 | 19.4724 | 4.16 | .Q | . | . | . | V | . |
| 22.383 | 19.4781 | 4.15 | .Q | . | . | . | V | . |
| 22.400 | 19.4838 | 4.14 | .Q | . | . | . | V | . |
| 22.417 | 19.4895 | 4.14 | .Q | . | . | . | V | . |
| 22.433 | 19.4952 | 4.13 | .Q | . | . | . | V | . |
| 22.450 | 19.5009 | 4.12 | .Q | . | . | . | V | . |
| 22.467 | 19.5065 | 4.11 | .Q | . | . | . | V | . |
| 22.483 | 19.5122 | 4.11 | .Q | . | . | . | V | . |
| 22.500 | 19.5178 | 4.10 | .Q | . | . | . | V | . |
| 22.517 | 19.5235 | 4.09 | .Q | . | . | . | V | . |
| 22.533 | 19.5291 | 4.09 | .Q | . | . | . | V | . |
| 22.550 | 19.5347 | 4.08 | .Q | . | . | . | V | . |
| 22.567 | 19.5403 | 4.07 | .Q | . | . | . | V | . |
| 22.583 | 19.5459 | 4.07 | .Q | . | . | . | V | . |
| 22.600 | 19.5515 | 4.06 | .Q | . | . | . | V | . |
| 22.617 | 19.5571 | 4.05 | .Q | . | . | . | V | . |
| 22.633 | 19.5627 | 4.05 | .Q | . | . | . | V | . |
| 22.650 | 19.5682 | 4.04 | .Q | . | . | . | V | . |
| 22.667 | 19.5738 | 4.03 | .Q | . | . | . | V | . |
| 22.683 | 19.5793 | 4.03 | .Q | . | . | . | V | . |
| 22.700 | 19.5849 | 4.02 | .Q | . | . | . | V | . |
| 22.717 | 19.5904 | 4.01 | .Q | . | . | . | V | . |
| 22.733 | 19.5959 | 4.01 | .Q | . | . | . | V | . |
| 22.750 | 19.6014 | 4.00 | .Q | . | . | . | V | . |
| 22.767 | 19.6069 | 3.99 | .Q | . | . | . | V | . |
| 22.783 | 19.6124 | 3.99 | .Q | . | . | . | V | . |
| 22.800 | 19.6179 | 3.98 | .Q | . | . | . | V | . |
| 22.817 | 19.6234 | 3.97 | .Q | . | . | . | V | . |
| 22.833 | 19.6289 | 3.97 | .Q | . | . | . | V | . |
| 22.850 | 19.6343 | 3.96 | .Q | . | . | . | V | . |
| 22.867 | 19.6398 | 3.95 | .Q | . | . | . | V | . |
| 22.883 | 19.6452 | 3.95 | .Q | . | . | . | V | . |
| 22.900 | 19.6506 | 3.94 | .Q | . | . | . | V | . |
| 22.917 | 19.6560 | 3.94 | Q | . | . | . | V | . |
| 22.933 | 19.6615 | 3.93 | Q | . | . | . | V | . |
| 22.950 | 19.6669 | 3.92 | Q | . | . | . | V | . |
| 22.967 | 19.6723 | 3.92 | Q | . | . | . | V | . |
| 22.983 | 19.6776 | 3.91 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.000 | 19.6830 | 3.91 | Q | . | . | . | V. |
| 23.017 | 19.6884 | 3.90 | Q | . | . | . | V. |
| 23.033 | 19.6938 | 3.89 | Q | . | . | . | V. |
| 23.050 | 19.6991 | 3.89 | Q | . | . | . | V. |
| 23.067 | 19.7045 | 3.88 | Q | . | . | . | V. |
| 23.083 | 19.7098 | 3.88 | Q | . | . | . | V. |
| 23.100 | 19.7151 | 3.87 | Q | . | . | . | V. |
| 23.117 | 19.7204 | 3.86 | Q | . | . | . | V. |
| 23.133 | 19.7258 | 3.86 | Q | . | . | . | V. |
| 23.150 | 19.7311 | 3.85 | Q | . | . | . | V. |
| 23.167 | 19.7364 | 3.84 | Q | . | . | . | V. |
| 23.183 | 19.7416 | 3.84 | Q | . | . | . | V. |
| 23.200 | 19.7469 | 3.83 | Q | . | . | . | V. |
| 23.217 | 19.7522 | 3.83 | Q | . | . | . | V. |
| 23.233 | 19.7575 | 3.82 | Q | . | . | . | V. |
| 23.250 | 19.7627 | 3.82 | Q | . | . | . | V. |
| 23.267 | 19.7680 | 3.81 | Q | . | . | . | V. |
| 23.283 | 19.7732 | 3.80 | Q | . | . | . | V. |
| 23.300 | 19.7784 | 3.80 | Q | . | . | . | V. |
| 23.317 | 19.7837 | 3.79 | Q | . | . | . | V. |
| 23.333 | 19.7889 | 3.79 | Q | . | . | . | V. |
| 23.350 | 19.7941 | 3.78 | Q | . | . | . | V. |
| 23.367 | 19.7993 | 3.78 | Q | . | . | . | V. |
| 23.383 | 19.8045 | 3.77 | Q | . | . | . | V. |
| 23.400 | 19.8097 | 3.77 | Q | . | . | . | V. |
| 23.417 | 19.8149 | 3.76 | Q | . | . | . | V. |
| 23.433 | 19.8200 | 3.75 | Q | . | . | . | V. |
| 23.450 | 19.8252 | 3.75 | Q | . | . | . | V. |
| 23.467 | 19.8303 | 3.74 | Q | . | . | . | V. |
| 23.483 | 19.8355 | 3.74 | Q | . | . | . | V. |
| 23.500 | 19.8406 | 3.73 | Q | . | . | . | V. |
| 23.517 | 19.8458 | 3.73 | Q | . | . | . | V. |
| 23.533 | 19.8509 | 3.72 | Q | . | . | . | V. |
| 23.550 | 19.8560 | 3.72 | Q | . | . | . | V. |
| 23.567 | 19.8611 | 3.71 | Q | . | . | . | V. |
| 23.583 | 19.8662 | 3.71 | Q | . | . | . | V. |
| 23.600 | 19.8713 | 3.70 | Q | . | . | . | V. |
| 23.617 | 19.8764 | 3.69 | Q | . | . | . | V. |
| 23.633 | 19.8815 | 3.69 | Q | . | . | . | V. |
| 23.650 | 19.8866 | 3.68 | Q | . | . | . | V. |
| 23.667 | 19.8916 | 3.68 | Q | . | . | . | V. |
| 23.683 | 19.8967 | 3.67 | Q | . | . | . | V. |
| 23.700 | 19.9017 | 3.67 | Q | . | . | . | V. |
| 23.717 | 19.9068 | 3.66 | Q | . | . | . | V. |
| 23.733 | 19.9118 | 3.66 | Q | . | . | . | V. |
| 23.750 | 19.9169 | 3.65 | Q | . | . | . | V. |
| 23.767 | 19.9219 | 3.65 | Q | . | . | . | V. |
| 23.783 | 19.9269 | 3.64 | Q | . | . | . | V. |
| 23.800 | 19.9319 | 3.64 | Q | . | . | . | V. |
| 23.817 | 19.9369 | 3.63 | Q | . | . | . | V. |
| 23.833 | 19.9419 | 3.63 | Q | . | . | . | V. |
| 23.850 | 19.9469 | 3.62 | Q | . | . | . | V. |
| 23.867 | 19.9519 | 3.62 | Q | . | . | . | V. |
| 23.883 | 19.9569 | 3.61 | Q | . | . | . | V. |
| 23.900 | 19.9618 | 3.61 | Q | . | . | . | V. |
| 23.917 | 19.9668 | 3.60 | Q | . | . | . | V. |
| 23.933 | 19.9717 | 3.60 | Q | . | . | . | V. |
| 23.950 | 19.9767 | 3.59 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.967 | 19.9816 | 3.59 | Q | . | . | . | V. |
| 23.983 | 19.9866 | 3.58 | Q | . | . | . | V. |
| 24.000 | 19.9915 | 3.58 | Q | . | . | . | V. |
| 24.017 | 19.9964 | 3.57 | Q | . | . | . | V. |
| 24.033 | 20.0013 | 3.57 | Q | . | . | . | V. |
| 24.050 | 20.0062 | 3.56 | Q | . | . | . | V. |
| 24.067 | 20.0111 | 3.56 | Q | . | . | . | V. |
| 24.083 | 20.0160 | 3.55 | Q | . | . | . | V. |
| 24.100 | 20.0209 | 3.55 | Q | . | . | . | V. |
| 24.117 | 20.0258 | 3.54 | Q | . | . | . | V. |
| 24.133 | 20.0307 | 3.54 | Q | . | . | . | V. |
| 24.150 | 20.0356 | 3.53 | Q | . | . | . | V. |
| 24.167 | 20.0404 | 3.52 | Q | . | . | . | V. |
| 24.183 | 20.0451 | 3.39 | Q | . | . | . | V. |
| 24.200 | 20.0495 | 3.21 | Q | . | . | . | V. |
| 24.217 | 20.0537 | 3.03 | Q | . | . | . | V. |
| 24.233 | 20.0576 | 2.85 | Q | . | . | . | V. |
| 24.250 | 20.0613 | 2.67 | Q | . | . | . | V. |
| 24.267 | 20.0647 | 2.49 | Q | . | . | . | V. |
| 24.283 | 20.0679 | 2.31 | Q | . | . | . | V. |
| 24.300 | 20.0708 | 2.13 | Q | . | . | . | V. |
| 24.317 | 20.0735 | 1.95 | Q | . | . | . | V. |
| 24.333 | 20.0760 | 1.77 | Q | . | . | . | V. |
| 24.350 | 20.0782 | 1.59 | Q | . | . | . | V. |
| 24.367 | 20.0801 | 1.41 | Q | . | . | . | V. |
| 24.383 | 20.0818 | 1.23 | Q | . | . | . | V. |
| 24.400 | 20.0833 | 1.05 | Q | . | . | . | V. |
| 24.417 | 20.0845 | 0.87 | Q | . | . | . | V. |
| 24.433 | 20.0854 | 0.69 | Q | . | . | . | V. |
| 24.450 | 20.0861 | 0.51 | Q | . | . | . | V. |
| 24.467 | 20.0866 | 0.33 | Q | . | . | . | V. |
| 24.483 | 20.0868 | 0.15 | 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% | 1469.0 |
| 10% | 875.0 |
| 20% | 260.0 |
| 30% | 175.0 |
| 40% | 150.0 |
| 50% | 125.0 |
| 60% | 100.0 |
| 70% | 75.0 |
| 80% | 50.0 |
| 90% | 25.0 |

=====

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1237

Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED B *
* SMALL AREA HYDROGRAPH - SINGLE AREA MODEL *
* 10-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3B10EVS.DAT
TIME/DATE OF STUDY: 15:42 07/14/2022

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 210.00 TO NODE 231.00 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) = 213.70
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.128
LOW LOSS FRACTION = 0.388
TIME OF CONCENTRATION (MIN.) = 20.59
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.26
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.59
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.78
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.31
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.81
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.03

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 32.28

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 21.68

=====

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. | 63.4 | 126.9 | 190.3 | 253.8 |
|------------|-------------|---------|----|------|-------|-------|-------|
| 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 | 0.0002 | 0.17 | Q | . | . | . | . |
| 0.250 | 0.0009 | 0.45 | Q | . | . | . | . |
| 0.267 | 0.0018 | 0.72 | Q | . | . | . | . |
| 0.283 | 0.0032 | 0.99 | Q | . | . | . | . |
| 0.300 | 0.0049 | 1.26 | Q | . | . | . | . |
| 0.317 | 0.0071 | 1.53 | Q | . | . | . | . |
| 0.333 | 0.0095 | 1.80 | Q | . | . | . | . |
| 0.350 | 0.0124 | 2.08 | Q | . | . | . | . |
| 0.367 | 0.0156 | 2.35 | Q | . | . | . | . |
| 0.383 | 0.0192 | 2.62 | Q | . | . | . | . |
| 0.400 | 0.0232 | 2.89 | Q | . | . | . | . |
| 0.417 | 0.0276 | 3.16 | Q | . | . | . | . |
| 0.433 | 0.0323 | 3.44 | Q | . | . | . | . |
| 0.450 | 0.0374 | 3.71 | Q | . | . | . | . |
| 0.467 | 0.0429 | 3.98 | Q | . | . | . | . |
| 0.483 | 0.0488 | 4.25 | Q | . | . | . | . |
| 0.500 | 0.0550 | 4.52 | Q | . | . | . | . |
| 0.517 | 0.0616 | 4.79 | Q | . | . | . | . |
| 0.533 | 0.0686 | 5.07 | Q | . | . | . | . |
| 0.550 | 0.0759 | 5.34 | Q | . | . | . | . |
| 0.567 | 0.0836 | 5.57 | Q | . | . | . | . |
| 0.583 | 0.0913 | 5.60 | Q | . | . | . | . |
| 0.600 | 0.0990 | 5.60 | Q | . | . | . | . |
| 0.617 | 0.1067 | 5.60 | Q | . | . | . | . |
| 0.633 | 0.1145 | 5.61 | Q | . | . | . | . |
| 0.650 | 0.1222 | 5.61 | Q | . | . | . | . |
| 0.667 | 0.1299 | 5.61 | Q | . | . | . | . |
| 0.683 | 0.1376 | 5.61 | Q | . | . | . | . |
| 0.700 | 0.1454 | 5.62 | Q | . | . | . | . |
| 0.717 | 0.1531 | 5.62 | Q | . | . | . | . |
| 0.733 | 0.1609 | 5.62 | Q | . | . | . | . |
| 0.750 | 0.1686 | 5.62 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|---|---|---|---|---|
| 0.767 | 0.1764 | 5.63 | Q | . | . | . | . |
| 0.783 | 0.1841 | 5.63 | Q | . | . | . | . |
| 0.800 | 0.1919 | 5.63 | Q | . | . | . | . |
| 0.817 | 0.1996 | 5.63 | Q | . | . | . | . |
| 0.833 | 0.2074 | 5.64 | Q | . | . | . | . |
| 0.850 | 0.2152 | 5.64 | Q | . | . | . | . |
| 0.867 | 0.2229 | 5.64 | Q | . | . | . | . |
| 0.883 | 0.2307 | 5.64 | Q | . | . | . | . |
| 0.900 | 0.2385 | 5.65 | Q | . | . | . | . |
| 0.917 | 0.2463 | 5.65 | Q | . | . | . | . |
| 0.933 | 0.2540 | 5.66 | Q | . | . | . | . |
| 0.950 | 0.2618 | 5.66 | Q | . | . | . | . |
| 0.967 | 0.2696 | 5.67 | Q | . | . | . | . |
| 0.983 | 0.2775 | 5.67 | Q | . | . | . | . |
| 1.000 | 0.2853 | 5.68 | Q | . | . | . | . |
| 1.017 | 0.2931 | 5.68 | Q | . | . | . | . |
| 1.033 | 0.3009 | 5.69 | Q | . | . | . | . |
| 1.050 | 0.3088 | 5.69 | Q | . | . | . | . |
| 1.067 | 0.3166 | 5.70 | Q | . | . | . | . |
| 1.083 | 0.3245 | 5.70 | Q | . | . | . | . |
| 1.100 | 0.3323 | 5.71 | Q | . | . | . | . |
| 1.117 | 0.3402 | 5.71 | Q | . | . | . | . |
| 1.133 | 0.3481 | 5.72 | Q | . | . | . | . |
| 1.150 | 0.3560 | 5.72 | Q | . | . | . | . |
| 1.167 | 0.3639 | 5.73 | Q | . | . | . | . |
| 1.183 | 0.3717 | 5.73 | Q | . | . | . | . |
| 1.200 | 0.3797 | 5.74 | Q | . | . | . | . |
| 1.217 | 0.3876 | 5.74 | Q | . | . | . | . |
| 1.233 | 0.3955 | 5.75 | Q | . | . | . | . |
| 1.250 | 0.4034 | 5.75 | Q | . | . | . | . |
| 1.267 | 0.4113 | 5.76 | Q | . | . | . | . |
| 1.283 | 0.4193 | 5.76 | Q | . | . | . | . |
| 1.300 | 0.4272 | 5.76 | Q | . | . | . | . |
| 1.317 | 0.4352 | 5.77 | Q | . | . | . | . |
| 1.333 | 0.4431 | 5.77 | Q | . | . | . | . |
| 1.350 | 0.4511 | 5.77 | Q | . | . | . | . |
| 1.367 | 0.4590 | 5.77 | Q | . | . | . | . |
| 1.383 | 0.4670 | 5.78 | Q | . | . | . | . |
| 1.400 | 0.4749 | 5.78 | Q | . | . | . | . |
| 1.417 | 0.4829 | 5.78 | Q | . | . | . | . |
| 1.433 | 0.4909 | 5.78 | Q | . | . | . | . |
| 1.450 | 0.4988 | 5.79 | Q | . | . | . | . |
| 1.467 | 0.5068 | 5.79 | Q | . | . | . | . |
| 1.483 | 0.5148 | 5.79 | Q | . | . | . | . |
| 1.500 | 0.5228 | 5.80 | Q | . | . | . | . |
| 1.517 | 0.5308 | 5.80 | Q | . | . | . | . |
| 1.533 | 0.5387 | 5.80 | Q | . | . | . | . |
| 1.550 | 0.5467 | 5.80 | Q | . | . | . | . |
| 1.567 | 0.5547 | 5.81 | Q | . | . | . | . |
| 1.583 | 0.5627 | 5.81 | Q | . | . | . | . |
| 1.600 | 0.5707 | 5.81 | Q | . | . | . | . |
| 1.617 | 0.5788 | 5.82 | Q | . | . | . | . |
| 1.633 | 0.5868 | 5.82 | Q | . | . | . | . |
| 1.650 | 0.5948 | 5.83 | Q | . | . | . | . |
| 1.667 | 0.6028 | 5.84 | Q | . | . | . | . |
| 1.683 | 0.6109 | 5.84 | Q | . | . | . | . |
| 1.700 | 0.6189 | 5.85 | Q | . | . | . | . |
| 1.717 | 0.6270 | 5.85 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 0.6351 | 5.86 | Q | . | . | . | . |
| 1.750 | 0.6432 | 5.86 | Q | . | . | . | . |
| 1.767 | 0.6512 | 5.87 | Q | . | . | . | . |
| 1.783 | 0.6593 | 5.87 | Q | . | . | . | . |
| 1.800 | 0.6674 | 5.88 | Q | . | . | . | . |
| 1.817 | 0.6755 | 5.89 | Q | . | . | . | . |
| 1.833 | 0.6837 | 5.89 | Q | . | . | . | . |
| 1.850 | 0.6918 | 5.90 | Q | . | . | . | . |
| 1.867 | 0.6999 | 5.90 | Q | . | . | . | . |
| 1.883 | 0.7080 | 5.91 | Q | . | . | . | . |
| 1.900 | 0.7162 | 5.91 | Q | . | . | . | . |
| 1.917 | 0.7243 | 5.92 | Q | . | . | . | . |
| 1.933 | 0.7325 | 5.93 | Q | . | . | . | . |
| 1.950 | 0.7407 | 5.93 | Q | . | . | . | . |
| 1.967 | 0.7488 | 5.93 | Q | . | . | . | . |
| 1.983 | 0.7570 | 5.94 | Q | . | . | . | . |
| 2.000 | 0.7652 | 5.94 | Q | . | . | . | . |
| 2.017 | 0.7734 | 5.94 | Q | . | . | . | . |
| 2.033 | 0.7816 | 5.94 | Q | . | . | . | . |
| 2.050 | 0.7898 | 5.95 | Q | . | . | . | . |
| 2.067 | 0.7980 | 5.95 | Q | . | . | . | . |
| 2.083 | 0.8062 | 5.95 | Q | . | . | . | . |
| 2.100 | 0.8144 | 5.96 | QV | . | . | . | . |
| 2.117 | 0.8226 | 5.96 | QV | . | . | . | . |
| 2.133 | 0.8308 | 5.96 | QV | . | . | . | . |
| 2.150 | 0.8390 | 5.96 | QV | . | . | . | . |
| 2.167 | 0.8472 | 5.97 | QV | . | . | . | . |
| 2.183 | 0.8554 | 5.97 | QV | . | . | . | . |
| 2.200 | 0.8637 | 5.97 | QV | . | . | . | . |
| 2.217 | 0.8719 | 5.98 | QV | . | . | . | . |
| 2.233 | 0.8801 | 5.98 | QV | . | . | . | . |
| 2.250 | 0.8884 | 5.98 | QV | . | . | . | . |
| 2.267 | 0.8966 | 5.98 | QV | . | . | . | . |
| 2.283 | 0.9049 | 5.99 | QV | . | . | . | . |
| 2.300 | 0.9131 | 5.99 | QV | . | . | . | . |
| 2.317 | 0.9214 | 6.00 | QV | . | . | . | . |
| 2.333 | 0.9297 | 6.01 | QV | . | . | . | . |
| 2.350 | 0.9379 | 6.01 | QV | . | . | . | . |
| 2.367 | 0.9462 | 6.02 | QV | . | . | . | . |
| 2.383 | 0.9545 | 6.02 | QV | . | . | . | . |
| 2.400 | 0.9628 | 6.03 | QV | . | . | . | . |
| 2.417 | 0.9712 | 6.04 | QV | . | . | . | . |
| 2.433 | 0.9795 | 6.04 | QV | . | . | . | . |
| 2.450 | 0.9878 | 6.05 | QV | . | . | . | . |
| 2.467 | 0.9962 | 6.06 | QV | . | . | . | . |
| 2.483 | 1.0045 | 6.06 | QV | . | . | . | . |
| 2.500 | 1.0129 | 6.07 | QV | . | . | . | . |
| 2.517 | 1.0212 | 6.07 | QV | . | . | . | . |
| 2.533 | 1.0296 | 6.08 | QV | . | . | . | . |
| 2.550 | 1.0380 | 6.09 | QV | . | . | . | . |
| 2.567 | 1.0464 | 6.09 | QV | . | . | . | . |
| 2.583 | 1.0548 | 6.10 | QV | . | . | . | . |
| 2.600 | 1.0632 | 6.10 | QV | . | . | . | . |
| 2.617 | 1.0716 | 6.11 | QV | . | . | . | . |
| 2.633 | 1.0800 | 6.12 | QV | . | . | . | . |
| 2.650 | 1.0885 | 6.12 | QV | . | . | . | . |
| 2.667 | 1.0969 | 6.12 | QV | . | . | . | . |
| 2.683 | 1.1053 | 6.12 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 2.700 | 1.1138 | 6.13 | QV | . | . | . | . |
| 2.717 | 1.1222 | 6.13 | QV | . | . | . | . |
| 2.733 | 1.1307 | 6.13 | QV | . | . | . | . |
| 2.750 | 1.1391 | 6.14 | QV | . | . | . | . |
| 2.767 | 1.1476 | 6.14 | QV | . | . | . | . |
| 2.783 | 1.1560 | 6.14 | QV | . | . | . | . |
| 2.800 | 1.1645 | 6.15 | QV | . | . | . | . |
| 2.817 | 1.1730 | 6.15 | QV | . | . | . | . |
| 2.833 | 1.1814 | 6.15 | QV | . | . | . | . |
| 2.850 | 1.1899 | 6.16 | QV | . | . | . | . |
| 2.867 | 1.1984 | 6.16 | QV | . | . | . | . |
| 2.883 | 1.2069 | 6.16 | QV | . | . | . | . |
| 2.900 | 1.2154 | 6.17 | QV | . | . | . | . |
| 2.917 | 1.2239 | 6.17 | QV | . | . | . | . |
| 2.933 | 1.2324 | 6.17 | QV | . | . | . | . |
| 2.950 | 1.2409 | 6.18 | QV | . | . | . | . |
| 2.967 | 1.2494 | 6.18 | QV | . | . | . | . |
| 2.983 | 1.2579 | 6.18 | QV | . | . | . | . |
| 3.000 | 1.2665 | 6.19 | QV | . | . | . | . |
| 3.017 | 1.2750 | 6.20 | QV | . | . | . | . |
| 3.033 | 1.2835 | 6.20 | QV | . | . | . | . |
| 3.050 | 1.2921 | 6.21 | QV | . | . | . | . |
| 3.067 | 1.3007 | 6.22 | QV | . | . | . | . |
| 3.083 | 1.3092 | 6.22 | QV | . | . | . | . |
| 3.100 | 1.3178 | 6.23 | QV | . | . | . | . |
| 3.117 | 1.3264 | 6.24 | QV | . | . | . | . |
| 3.133 | 1.3350 | 6.24 | QV | . | . | . | . |
| 3.150 | 1.3436 | 6.25 | QV | . | . | . | . |
| 3.167 | 1.3522 | 6.26 | QV | . | . | . | . |
| 3.183 | 1.3609 | 6.26 | QV | . | . | . | . |
| 3.200 | 1.3695 | 6.27 | QV | . | . | . | . |
| 3.217 | 1.3782 | 6.28 | QV | . | . | . | . |
| 3.233 | 1.3868 | 6.28 | QV | . | . | . | . |
| 3.250 | 1.3955 | 6.29 | QV | . | . | . | . |
| 3.267 | 1.4041 | 6.30 | QV | . | . | . | . |
| 3.283 | 1.4128 | 6.30 | QV | . | . | . | . |
| 3.300 | 1.4215 | 6.31 | QV | . | . | . | . |
| 3.317 | 1.4302 | 6.32 | QV | . | . | . | . |
| 3.333 | 1.4389 | 6.32 | QV | . | . | . | . |
| 3.350 | 1.4476 | 6.32 | QV | . | . | . | . |
| 3.367 | 1.4564 | 6.33 | QV | . | . | . | . |
| 3.383 | 1.4651 | 6.33 | QV | . | . | . | . |
| 3.400 | 1.4738 | 6.33 | QV | . | . | . | . |
| 3.417 | 1.4825 | 6.34 | QV | . | . | . | . |
| 3.433 | 1.4913 | 6.34 | QV | . | . | . | . |
| 3.450 | 1.5000 | 6.34 | .Q | . | . | . | . |
| 3.467 | 1.5087 | 6.35 | .Q | . | . | . | . |
| 3.483 | 1.5175 | 6.35 | .Q | . | . | . | . |
| 3.500 | 1.5262 | 6.35 | .Q | . | . | . | . |
| 3.517 | 1.5350 | 6.36 | .Q | . | . | . | . |
| 3.533 | 1.5438 | 6.36 | .Q | . | . | . | . |
| 3.550 | 1.5525 | 6.37 | .Q | . | . | . | . |
| 3.567 | 1.5613 | 6.37 | .Q | . | . | . | . |
| 3.583 | 1.5701 | 6.37 | .Q | . | . | . | . |
| 3.600 | 1.5789 | 6.38 | .Q | . | . | . | . |
| 3.617 | 1.5877 | 6.38 | .Q | . | . | . | . |
| 3.633 | 1.5964 | 6.38 | .Q | . | . | . | . |
| 3.650 | 1.6052 | 6.39 | .Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 3.667 | 1.6140 | 6.39 | .Q | . | . | . | . |
| 3.683 | 1.6229 | 6.40 | .QV | . | . | . | . |
| 3.700 | 1.6317 | 6.41 | .QV | . | . | . | . |
| 3.717 | 1.6405 | 6.41 | .QV | . | . | . | . |
| 3.733 | 1.6494 | 6.42 | .QV | . | . | . | . |
| 3.750 | 1.6582 | 6.43 | .QV | . | . | . | . |
| 3.767 | 1.6671 | 6.44 | .QV | . | . | . | . |
| 3.783 | 1.6760 | 6.44 | .QV | . | . | . | . |
| 3.800 | 1.6848 | 6.45 | .QV | . | . | . | . |
| 3.817 | 1.6937 | 6.46 | .QV | . | . | . | . |
| 3.833 | 1.7026 | 6.46 | .QV | . | . | . | . |
| 3.850 | 1.7116 | 6.47 | .QV | . | . | . | . |
| 3.867 | 1.7205 | 6.48 | .QV | . | . | . | . |
| 3.883 | 1.7294 | 6.49 | .QV | . | . | . | . |
| 3.900 | 1.7384 | 6.49 | .QV | . | . | . | . |
| 3.917 | 1.7473 | 6.50 | .QV | . | . | . | . |
| 3.933 | 1.7563 | 6.51 | .QV | . | . | . | . |
| 3.950 | 1.7652 | 6.52 | .QV | . | . | . | . |
| 3.967 | 1.7742 | 6.52 | .QV | . | . | . | . |
| 3.983 | 1.7832 | 6.53 | .QV | . | . | . | . |
| 4.000 | 1.7922 | 6.54 | .QV | . | . | . | . |
| 4.017 | 1.8012 | 6.54 | .QV | . | . | . | . |
| 4.033 | 1.8102 | 6.54 | .QV | . | . | . | . |
| 4.050 | 1.8193 | 6.55 | .QV | . | . | . | . |
| 4.067 | 1.8283 | 6.55 | .QV | . | . | . | . |
| 4.083 | 1.8373 | 6.56 | .QV | . | . | . | . |
| 4.100 | 1.8464 | 6.56 | .QV | . | . | . | . |
| 4.117 | 1.8554 | 6.56 | .QV | . | . | . | . |
| 4.133 | 1.8644 | 6.57 | .QV | . | . | . | . |
| 4.150 | 1.8735 | 6.57 | .QV | . | . | . | . |
| 4.167 | 1.8825 | 6.57 | .QV | . | . | . | . |
| 4.183 | 1.8916 | 6.58 | .QV | . | . | . | . |
| 4.200 | 1.9007 | 6.58 | .QV | . | . | . | . |
| 4.217 | 1.9097 | 6.59 | .QV | . | . | . | . |
| 4.233 | 1.9188 | 6.59 | .QV | . | . | . | . |
| 4.250 | 1.9279 | 6.59 | .QV | . | . | . | . |
| 4.267 | 1.9370 | 6.60 | .QV | . | . | . | . |
| 4.283 | 1.9461 | 6.60 | .QV | . | . | . | . |
| 4.300 | 1.9552 | 6.60 | .QV | . | . | . | . |
| 4.317 | 1.9643 | 6.61 | .QV | . | . | . | . |
| 4.333 | 1.9734 | 6.61 | .QV | . | . | . | . |
| 4.350 | 1.9825 | 6.62 | .QV | . | . | . | . |
| 4.367 | 1.9916 | 6.63 | .QV | . | . | . | . |
| 4.383 | 2.0008 | 6.63 | .QV | . | . | . | . |
| 4.400 | 2.0099 | 6.64 | .QV | . | . | . | . |
| 4.417 | 2.0191 | 6.65 | .QV | . | . | . | . |
| 4.433 | 2.0282 | 6.66 | .QV | . | . | . | . |
| 4.450 | 2.0374 | 6.67 | .QV | . | . | . | . |
| 4.467 | 2.0466 | 6.67 | .QV | . | . | . | . |
| 4.483 | 2.0558 | 6.68 | .QV | . | . | . | . |
| 4.500 | 2.0650 | 6.69 | .QV | . | . | . | . |
| 4.517 | 2.0743 | 6.70 | .QV | . | . | . | . |
| 4.533 | 2.0835 | 6.71 | .QV | . | . | . | . |
| 4.550 | 2.0927 | 6.71 | .QV | . | . | . | . |
| 4.567 | 2.1020 | 6.72 | .QV | . | . | . | . |
| 4.583 | 2.1113 | 6.73 | .QV | . | . | . | . |
| 4.600 | 2.1206 | 6.74 | .QV | . | . | . | . |
| 4.617 | 2.1298 | 6.75 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|------|---|---|---|---|
| 4.633 | 2.1391 | 6.75 | .QV | . | . | . | . |
| 4.650 | 2.1485 | 6.76 | .QV | . | . | . | . |
| 4.667 | 2.1578 | 6.77 | .QV | . | . | . | . |
| 4.683 | 2.1671 | 6.78 | .QV | . | . | . | . |
| 4.700 | 2.1765 | 6.78 | .QV | . | . | . | . |
| 4.717 | 2.1858 | 6.79 | .QV | . | . | . | . |
| 4.733 | 2.1952 | 6.79 | .QV | . | . | . | . |
| 4.750 | 2.2045 | 6.79 | .QV | . | . | . | . |
| 4.767 | 2.2139 | 6.80 | .QV | . | . | . | . |
| 4.783 | 2.2232 | 6.80 | .QV | . | . | . | . |
| 4.800 | 2.2326 | 6.81 | .QV | . | . | . | . |
| 4.817 | 2.2420 | 6.81 | .QV | . | . | . | . |
| 4.833 | 2.2514 | 6.81 | .QV | . | . | . | . |
| 4.850 | 2.2608 | 6.82 | .QV | . | . | . | . |
| 4.867 | 2.2702 | 6.82 | .QV | . | . | . | . |
| 4.883 | 2.2796 | 6.83 | .QV | . | . | . | . |
| 4.900 | 2.2890 | 6.83 | .QV | . | . | . | . |
| 4.917 | 2.2984 | 6.84 | .QV | . | . | . | . |
| 4.933 | 2.3078 | 6.84 | .QV | . | . | . | . |
| 4.950 | 2.3172 | 6.84 | .QV | . | . | . | . |
| 4.967 | 2.3267 | 6.85 | .QV | . | . | . | . |
| 4.983 | 2.3361 | 6.85 | .QV | . | . | . | . |
| 5.000 | 2.3456 | 6.86 | .QV | . | . | . | . |
| 5.017 | 2.3550 | 6.86 | .QV | . | . | . | . |
| 5.033 | 2.3645 | 6.87 | .QV | . | . | . | . |
| 5.050 | 2.3739 | 6.87 | .QV | . | . | . | . |
| 5.067 | 2.3834 | 6.88 | .QV | . | . | . | . |
| 5.083 | 2.3929 | 6.89 | .QV | . | . | . | . |
| 5.100 | 2.4024 | 6.90 | .QV | . | . | . | . |
| 5.117 | 2.4119 | 6.91 | .QV | . | . | . | . |
| 5.133 | 2.4215 | 6.92 | .Q V | . | . | . | . |
| 5.150 | 2.4310 | 6.93 | .Q V | . | . | . | . |
| 5.167 | 2.4406 | 6.94 | .Q V | . | . | . | . |
| 5.183 | 2.4501 | 6.94 | .Q V | . | . | . | . |
| 5.200 | 2.4597 | 6.95 | .Q V | . | . | . | . |
| 5.217 | 2.4693 | 6.96 | .Q V | . | . | . | . |
| 5.233 | 2.4789 | 6.97 | .Q V | . | . | . | . |
| 5.250 | 2.4885 | 6.98 | .Q V | . | . | . | . |
| 5.267 | 2.4981 | 6.99 | .Q V | . | . | . | . |
| 5.283 | 2.5078 | 7.00 | .Q V | . | . | . | . |
| 5.300 | 2.5174 | 7.01 | .Q V | . | . | . | . |
| 5.317 | 2.5271 | 7.01 | .Q V | . | . | . | . |
| 5.333 | 2.5368 | 7.02 | .Q V | . | . | . | . |
| 5.350 | 2.5465 | 7.03 | .Q V | . | . | . | . |
| 5.367 | 2.5561 | 7.04 | .Q V | . | . | . | . |
| 5.383 | 2.5659 | 7.05 | .Q V | . | . | . | . |
| 5.400 | 2.5756 | 7.05 | .Q V | . | . | . | . |
| 5.417 | 2.5853 | 7.06 | .Q V | . | . | . | . |
| 5.433 | 2.5950 | 7.06 | .Q V | . | . | . | . |
| 5.450 | 2.6047 | 7.07 | .Q V | . | . | . | . |
| 5.467 | 2.6145 | 7.07 | .Q V | . | . | . | . |
| 5.483 | 2.6242 | 7.07 | .Q V | . | . | . | . |
| 5.500 | 2.6340 | 7.08 | .Q V | . | . | . | . |
| 5.517 | 2.6437 | 7.08 | .Q V | . | . | . | . |
| 5.533 | 2.6535 | 7.09 | .Q V | . | . | . | . |
| 5.550 | 2.6633 | 7.09 | .Q V | . | . | . | . |
| 5.567 | 2.6730 | 7.10 | .Q V | . | . | . | . |
| 5.583 | 2.6828 | 7.10 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 5.600 | 2.6926 | 7.11 | .Q | V | . | . | . | . |
| 5.617 | 2.7024 | 7.11 | .Q | V | . | . | . | . |
| 5.633 | 2.7122 | 7.12 | .Q | V | . | . | . | . |
| 5.650 | 2.7220 | 7.12 | .Q | V | . | . | . | . |
| 5.667 | 2.7318 | 7.12 | .Q | V | . | . | . | . |
| 5.683 | 2.7416 | 7.13 | .Q | V | . | . | . | . |
| 5.700 | 2.7515 | 7.13 | .Q | V | . | . | . | . |
| 5.717 | 2.7613 | 7.14 | .Q | V | . | . | . | . |
| 5.733 | 2.7712 | 7.15 | .Q | V | . | . | . | . |
| 5.750 | 2.7810 | 7.16 | .Q | V | . | . | . | . |
| 5.767 | 2.7909 | 7.17 | .Q | V | . | . | . | . |
| 5.783 | 2.8008 | 7.18 | .Q | V | . | . | . | . |
| 5.800 | 2.8107 | 7.19 | .Q | V | . | . | . | . |
| 5.817 | 2.8206 | 7.20 | .Q | V | . | . | . | . |
| 5.833 | 2.8305 | 7.21 | .Q | V | . | . | . | . |
| 5.850 | 2.8405 | 7.22 | .Q | V | . | . | . | . |
| 5.867 | 2.8504 | 7.23 | .Q | V | . | . | . | . |
| 5.883 | 2.8604 | 7.24 | .Q | V | . | . | . | . |
| 5.900 | 2.8704 | 7.25 | .Q | V | . | . | . | . |
| 5.917 | 2.8804 | 7.26 | .Q | V | . | . | . | . |
| 5.933 | 2.8904 | 7.27 | .Q | V | . | . | . | . |
| 5.950 | 2.9004 | 7.28 | .Q | V | . | . | . | . |
| 5.967 | 2.9104 | 7.29 | .Q | V | . | . | . | . |
| 5.983 | 2.9205 | 7.30 | .Q | V | . | . | . | . |
| 6.000 | 2.9305 | 7.30 | .Q | V | . | . | . | . |
| 6.017 | 2.9406 | 7.31 | .Q | V | . | . | . | . |
| 6.033 | 2.9507 | 7.32 | .Q | V | . | . | . | . |
| 6.050 | 2.9608 | 7.33 | .Q | V | . | . | . | . |
| 6.067 | 2.9709 | 7.34 | .Q | V | . | . | . | . |
| 6.083 | 2.9810 | 7.35 | .Q | V | . | . | . | . |
| 6.100 | 2.9912 | 7.35 | .Q | V | . | . | . | . |
| 6.117 | 3.0013 | 7.36 | .Q | V | . | . | . | . |
| 6.133 | 3.0114 | 7.36 | .Q | V | . | . | . | . |
| 6.150 | 3.0216 | 7.37 | .Q | V | . | . | . | . |
| 6.167 | 3.0317 | 7.37 | .Q | V | . | . | . | . |
| 6.183 | 3.0419 | 7.38 | .Q | V | . | . | . | . |
| 6.200 | 3.0521 | 7.38 | .Q | V | . | . | . | . |
| 6.217 | 3.0622 | 7.39 | .Q | V | . | . | . | . |
| 6.233 | 3.0724 | 7.39 | .Q | V | . | . | . | . |
| 6.250 | 3.0826 | 7.40 | .Q | V | . | . | . | . |
| 6.267 | 3.0928 | 7.40 | .Q | V | . | . | . | . |
| 6.283 | 3.1030 | 7.41 | .Q | V | . | . | . | . |
| 6.300 | 3.1132 | 7.41 | .Q | V | . | . | . | . |
| 6.317 | 3.1234 | 7.42 | .Q | V | . | . | . | . |
| 6.333 | 3.1337 | 7.42 | .Q | V | . | . | . | . |
| 6.350 | 3.1439 | 7.43 | .Q | V | . | . | . | . |
| 6.367 | 3.1541 | 7.43 | .Q | V | . | . | . | . |
| 6.383 | 3.1644 | 7.44 | .Q | V | . | . | . | . |
| 6.400 | 3.1746 | 7.44 | .Q | V | . | . | . | . |
| 6.417 | 3.1849 | 7.45 | .Q | V | . | . | . | . |
| 6.433 | 3.1952 | 7.47 | .Q | V | . | . | . | . |
| 6.450 | 3.2055 | 7.48 | .Q | V | . | . | . | . |
| 6.467 | 3.2158 | 7.49 | .Q | V | . | . | . | . |
| 6.483 | 3.2261 | 7.50 | .Q | V | . | . | . | . |
| 6.500 | 3.2365 | 7.51 | .Q | V | . | . | . | . |
| 6.517 | 3.2468 | 7.52 | .Q | V | . | . | . | . |
| 6.533 | 3.2572 | 7.53 | .Q | V | . | . | . | . |
| 6.550 | 3.2676 | 7.54 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 6.567 | 3.2780 | 7.55 | .Q | V | . | . | . | . |
| 6.583 | 3.2884 | 7.56 | .Q | V | . | . | . | . |
| 6.600 | 3.2988 | 7.57 | .Q | V | . | . | . | . |
| 6.617 | 3.3093 | 7.58 | .Q | V | . | . | . | . |
| 6.633 | 3.3197 | 7.60 | .Q | V | . | . | . | . |
| 6.650 | 3.3302 | 7.61 | .Q | V | . | . | . | . |
| 6.667 | 3.3407 | 7.62 | .Q | V | . | . | . | . |
| 6.683 | 3.3512 | 7.63 | .Q | V | . | . | . | . |
| 6.700 | 3.3617 | 7.64 | .Q | V | . | . | . | . |
| 6.717 | 3.3723 | 7.65 | .Q | V | . | . | . | . |
| 6.733 | 3.3828 | 7.66 | .Q | V | . | . | . | . |
| 6.750 | 3.3934 | 7.67 | .Q | V | . | . | . | . |
| 6.767 | 3.4040 | 7.67 | .Q | V | . | . | . | . |
| 6.783 | 3.4145 | 7.68 | .Q | V | . | . | . | . |
| 6.800 | 3.4251 | 7.69 | .Q | V | . | . | . | . |
| 6.817 | 3.4357 | 7.69 | .Q | V | . | . | . | . |
| 6.833 | 3.4463 | 7.70 | .Q | V | . | . | . | . |
| 6.850 | 3.4569 | 7.70 | .Q | V | . | . | . | . |
| 6.867 | 3.4676 | 7.71 | .Q | V | . | . | . | . |
| 6.883 | 3.4782 | 7.72 | .Q | V | . | . | . | . |
| 6.900 | 3.4888 | 7.72 | .Q | V | . | . | . | . |
| 6.917 | 3.4995 | 7.73 | .Q | V | . | . | . | . |
| 6.933 | 3.5101 | 7.73 | .Q | V | . | . | . | . |
| 6.950 | 3.5208 | 7.74 | .Q | V | . | . | . | . |
| 6.967 | 3.5314 | 7.74 | .Q | V | . | . | . | . |
| 6.983 | 3.5421 | 7.75 | .Q | V | . | . | . | . |
| 7.000 | 3.5528 | 7.76 | .Q | V | . | . | . | . |
| 7.017 | 3.5635 | 7.76 | .Q | V | . | . | . | . |
| 7.033 | 3.5742 | 7.77 | .Q | V | . | . | . | . |
| 7.050 | 3.5849 | 7.77 | .Q | V | . | . | . | . |
| 7.067 | 3.5956 | 7.78 | .Q | V | . | . | . | . |
| 7.083 | 3.6063 | 7.78 | .Q | V | . | . | . | . |
| 7.100 | 3.6171 | 7.80 | .Q | V | . | . | . | . |
| 7.117 | 3.6278 | 7.81 | .Q | V | . | . | . | . |
| 7.133 | 3.6386 | 7.82 | .Q | V | . | . | . | . |
| 7.150 | 3.6494 | 7.83 | .Q | V | . | . | . | . |
| 7.167 | 3.6602 | 7.84 | .Q | V | . | . | . | . |
| 7.183 | 3.6710 | 7.86 | .Q | V | . | . | . | . |
| 7.200 | 3.6818 | 7.87 | .Q | V | . | . | . | . |
| 7.217 | 3.6927 | 7.88 | .Q | V | . | . | . | . |
| 7.233 | 3.7036 | 7.89 | .Q | V | . | . | . | . |
| 7.250 | 3.7145 | 7.91 | .Q | V | . | . | . | . |
| 7.267 | 3.7254 | 7.92 | .Q | V | . | . | . | . |
| 7.283 | 3.7363 | 7.93 | .Q | V | . | . | . | . |
| 7.300 | 3.7472 | 7.94 | .Q | V | . | . | . | . |
| 7.317 | 3.7582 | 7.95 | .Q | V | . | . | . | . |
| 7.333 | 3.7691 | 7.97 | .Q | V | . | . | . | . |
| 7.350 | 3.7801 | 7.98 | .Q | V | . | . | . | . |
| 7.367 | 3.7911 | 7.99 | .Q | V | . | . | . | . |
| 7.383 | 3.8022 | 8.00 | .Q | V | . | . | . | . |
| 7.400 | 3.8132 | 8.02 | .Q | V | . | . | . | . |
| 7.417 | 3.8243 | 8.03 | .Q | V | . | . | . | . |
| 7.433 | 3.8353 | 8.04 | .Q | V | . | . | . | . |
| 7.450 | 3.8464 | 8.04 | .Q | V | . | . | . | . |
| 7.467 | 3.8575 | 8.05 | .Q | V | . | . | . | . |
| 7.483 | 3.8686 | 8.06 | .Q | V | . | . | . | . |
| 7.500 | 3.8797 | 8.06 | .Q | V | . | . | . | . |
| 7.517 | 3.8908 | 8.07 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|------|----|---|---|---|---|---|
| 7.533 | 3.9020 | 8.08 | .Q | V | . | . | . | . |
| 7.550 | 3.9131 | 8.08 | .Q | V | . | . | . | . |
| 7.567 | 3.9242 | 8.09 | .Q | V | . | . | . | . |
| 7.583 | 3.9354 | 8.10 | .Q | V | . | . | . | . |
| 7.600 | 3.9466 | 8.10 | .Q | V | . | . | . | . |
| 7.617 | 3.9577 | 8.11 | .Q | V | . | . | . | . |
| 7.633 | 3.9689 | 8.12 | .Q | V | . | . | . | . |
| 7.650 | 3.9801 | 8.12 | .Q | V | . | . | . | . |
| 7.667 | 3.9913 | 8.13 | .Q | V | . | . | . | . |
| 7.683 | 4.0025 | 8.14 | .Q | V | . | . | . | . |
| 7.700 | 4.0137 | 8.14 | .Q | V | . | . | . | . |
| 7.717 | 4.0249 | 8.15 | .Q | V | . | . | . | . |
| 7.733 | 4.0362 | 8.16 | .Q | V | . | . | . | . |
| 7.750 | 4.0474 | 8.16 | .Q | V | . | . | . | . |
| 7.767 | 4.0587 | 8.17 | .Q | V | . | . | . | . |
| 7.783 | 4.0699 | 8.18 | .Q | V | . | . | . | . |
| 7.800 | 4.0812 | 8.19 | .Q | V | . | . | . | . |
| 7.817 | 4.0925 | 8.21 | .Q | V | . | . | . | . |
| 7.833 | 4.1039 | 8.22 | .Q | V | . | . | . | . |
| 7.850 | 4.1152 | 8.24 | .Q | V | . | . | . | . |
| 7.867 | 4.1266 | 8.25 | .Q | V | . | . | . | . |
| 7.883 | 4.1379 | 8.26 | .Q | V | . | . | . | . |
| 7.900 | 4.1493 | 8.28 | .Q | V | . | . | . | . |
| 7.917 | 4.1608 | 8.29 | .Q | V | . | . | . | . |
| 7.933 | 4.1722 | 8.31 | .Q | V | . | . | . | . |
| 7.950 | 4.1837 | 8.32 | .Q | V | . | . | . | . |
| 7.967 | 4.1951 | 8.33 | .Q | V | . | . | . | . |
| 7.983 | 4.2066 | 8.35 | .Q | V | . | . | . | . |
| 8.000 | 4.2182 | 8.36 | .Q | V | . | . | . | . |
| 8.017 | 4.2297 | 8.37 | .Q | V | . | . | . | . |
| 8.033 | 4.2412 | 8.39 | .Q | V | . | . | . | . |
| 8.050 | 4.2528 | 8.40 | .Q | V | . | . | . | . |
| 8.067 | 4.2644 | 8.42 | .Q | V | . | . | . | . |
| 8.083 | 4.2760 | 8.43 | .Q | V | . | . | . | . |
| 8.100 | 4.2877 | 8.44 | .Q | V | . | . | . | . |
| 8.117 | 4.2993 | 8.46 | .Q | V | . | . | . | . |
| 8.133 | 4.3110 | 8.47 | .Q | V | . | . | . | . |
| 8.150 | 4.3226 | 8.47 | .Q | V | . | . | . | . |
| 8.167 | 4.3343 | 8.48 | .Q | V | . | . | . | . |
| 8.183 | 4.3460 | 8.49 | .Q | V | . | . | . | . |
| 8.200 | 4.3577 | 8.49 | .Q | V | . | . | . | . |
| 8.217 | 4.3694 | 8.50 | .Q | V | . | . | . | . |
| 8.233 | 4.3811 | 8.51 | .Q | V | . | . | . | . |
| 8.250 | 4.3929 | 8.52 | .Q | V | . | . | . | . |
| 8.267 | 4.4046 | 8.52 | .Q | V | . | . | . | . |
| 8.283 | 4.4164 | 8.53 | .Q | V | . | . | . | . |
| 8.300 | 4.4281 | 8.54 | .Q | V | . | . | . | . |
| 8.317 | 4.4399 | 8.55 | .Q | V | . | . | . | . |
| 8.333 | 4.4517 | 8.55 | .Q | V | . | . | . | . |
| 8.350 | 4.4635 | 8.56 | .Q | V | . | . | . | . |
| 8.367 | 4.4753 | 8.57 | .Q | V | . | . | . | . |
| 8.383 | 4.4871 | 8.58 | .Q | V | . | . | . | . |
| 8.400 | 4.4989 | 8.58 | .Q | V | . | . | . | . |
| 8.417 | 4.5108 | 8.59 | .Q | V | . | . | . | . |
| 8.433 | 4.5226 | 8.60 | .Q | V | . | . | . | . |
| 8.450 | 4.5345 | 8.61 | .Q | V | . | . | . | . |
| 8.467 | 4.5463 | 8.62 | .Q | V | . | . | . | . |
| 8.483 | 4.5582 | 8.63 | .Q | V | . | . | . | . |

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|-------|--------|------|----|---|---|---|---|---|
| 8.500 | 4.5701 | 8.65 | .Q | V | . | . | . | . |
| 8.517 | 4.5821 | 8.67 | .Q | V | . | . | . | . |
| 8.533 | 4.5940 | 8.68 | .Q | V | . | . | . | . |
| 8.550 | 4.6060 | 8.70 | .Q | V | . | . | . | . |
| 8.567 | 4.6180 | 8.71 | .Q | V | . | . | . | . |
| 8.583 | 4.6300 | 8.73 | .Q | V | . | . | . | . |
| 8.600 | 4.6421 | 8.75 | .Q | V | . | . | . | . |
| 8.617 | 4.6541 | 8.76 | .Q | V | . | . | . | . |
| 8.633 | 4.6662 | 8.78 | .Q | V | . | . | . | . |
| 8.650 | 4.6784 | 8.79 | .Q | V | . | . | . | . |
| 8.667 | 4.6905 | 8.81 | .Q | V | . | . | . | . |
| 8.683 | 4.7026 | 8.83 | .Q | V | . | . | . | . |
| 8.700 | 4.7148 | 8.84 | .Q | V | . | . | . | . |
| 8.717 | 4.7270 | 8.86 | .Q | V | . | . | . | . |
| 8.733 | 4.7392 | 8.87 | .Q | V | . | . | . | . |
| 8.750 | 4.7515 | 8.89 | .Q | V | . | . | . | . |
| 8.767 | 4.7638 | 8.91 | .Q | V | . | . | . | . |
| 8.783 | 4.7760 | 8.92 | .Q | V | . | . | . | . |
| 8.800 | 4.7884 | 8.94 | .Q | V | . | . | . | . |
| 8.817 | 4.8007 | 8.95 | .Q | V | . | . | . | . |
| 8.833 | 4.8130 | 8.96 | .Q | V | . | . | . | . |
| 8.850 | 4.8254 | 8.96 | .Q | V | . | . | . | . |
| 8.867 | 4.8377 | 8.97 | .Q | V | . | . | . | . |
| 8.883 | 4.8501 | 8.98 | .Q | V | . | . | . | . |
| 8.900 | 4.8625 | 8.99 | .Q | V | . | . | . | . |
| 8.917 | 4.8749 | 9.00 | .Q | V | . | . | . | . |
| 8.933 | 4.8873 | 9.01 | .Q | V | . | . | . | . |
| 8.950 | 4.8997 | 9.02 | .Q | V | . | . | . | . |
| 8.967 | 4.9121 | 9.02 | .Q | V | . | . | . | . |
| 8.983 | 4.9246 | 9.03 | .Q | V | . | . | . | . |
| 9.000 | 4.9370 | 9.04 | .Q | V | . | . | . | . |
| 9.017 | 4.9495 | 9.05 | .Q | V | . | . | . | . |
| 9.033 | 4.9620 | 9.06 | .Q | V | . | . | . | . |
| 9.050 | 4.9745 | 9.07 | .Q | V | . | . | . | . |
| 9.067 | 4.9870 | 9.08 | .Q | V | . | . | . | . |
| 9.083 | 4.9995 | 9.09 | .Q | V | . | . | . | . |
| 9.100 | 5.0120 | 9.09 | .Q | V | . | . | . | . |
| 9.117 | 5.0245 | 9.10 | .Q | V | . | . | . | . |
| 9.133 | 5.0371 | 9.11 | .Q | V | . | . | . | . |
| 9.150 | 5.0497 | 9.12 | .Q | V | . | . | . | . |
| 9.167 | 5.0623 | 9.14 | .Q | V | . | . | . | . |
| 9.183 | 5.0749 | 9.16 | .Q | V | . | . | . | . |
| 9.200 | 5.0875 | 9.18 | .Q | V | . | . | . | . |
| 9.217 | 5.1002 | 9.20 | .Q | V | . | . | . | . |
| 9.233 | 5.1129 | 9.22 | .Q | V | . | . | . | . |
| 9.250 | 5.1256 | 9.23 | .Q | V | . | . | . | . |
| 9.267 | 5.1383 | 9.25 | .Q | V | . | . | . | . |
| 9.283 | 5.1511 | 9.27 | .Q | V | . | . | . | . |
| 9.300 | 5.1639 | 9.29 | .Q | V | . | . | . | . |
| 9.317 | 5.1767 | 9.31 | .Q | V | . | . | . | . |
| 9.333 | 5.1896 | 9.33 | .Q | V | . | . | . | . |
| 9.350 | 5.2025 | 9.35 | .Q | V | . | . | . | . |
| 9.367 | 5.2154 | 9.36 | .Q | V | . | . | . | . |
| 9.383 | 5.2283 | 9.38 | .Q | V | . | . | . | . |
| 9.400 | 5.2412 | 9.40 | .Q | V | . | . | . | . |
| 9.417 | 5.2542 | 9.42 | .Q | V | . | . | . | . |
| 9.433 | 5.2672 | 9.44 | .Q | V | . | . | . | . |
| 9.450 | 5.2802 | 9.46 | .Q | V | . | . | . | . |

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|--------|--------|-------|----|---|---|---|---|---|
| 9.467 | 5.2933 | 9.48 | .Q | V | . | . | . | . |
| 9.483 | 5.3064 | 9.50 | .Q | V | . | . | . | . |
| 9.500 | 5.3195 | 9.51 | .Q | V | . | . | . | . |
| 9.517 | 5.3326 | 9.52 | .Q | V | . | . | . | . |
| 9.533 | 5.3457 | 9.53 | .Q | V | . | . | . | . |
| 9.550 | 5.3588 | 9.54 | .Q | V | . | . | . | . |
| 9.567 | 5.3720 | 9.55 | .Q | V | . | . | . | . |
| 9.583 | 5.3852 | 9.56 | .Q | V | . | . | . | . |
| 9.600 | 5.3983 | 9.57 | .Q | V | . | . | . | . |
| 9.617 | 5.4115 | 9.58 | .Q | V | . | . | . | . |
| 9.633 | 5.4247 | 9.59 | .Q | V | . | . | . | . |
| 9.650 | 5.4380 | 9.60 | .Q | V | . | . | . | . |
| 9.667 | 5.4512 | 9.61 | .Q | V | . | . | . | . |
| 9.683 | 5.4644 | 9.62 | .Q | V | . | . | . | . |
| 9.700 | 5.4777 | 9.63 | .Q | V | . | . | . | . |
| 9.717 | 5.4910 | 9.64 | .Q | V | . | . | . | . |
| 9.733 | 5.5043 | 9.65 | .Q | V | . | . | . | . |
| 9.750 | 5.5176 | 9.66 | .Q | V | . | . | . | . |
| 9.767 | 5.5309 | 9.67 | .Q | V | . | . | . | . |
| 9.783 | 5.5442 | 9.68 | .Q | V | . | . | . | . |
| 9.800 | 5.5576 | 9.69 | .Q | V | . | . | . | . |
| 9.817 | 5.5709 | 9.70 | .Q | V | . | . | . | . |
| 9.833 | 5.5843 | 9.71 | .Q | V | . | . | . | . |
| 9.850 | 5.5977 | 9.73 | .Q | V | . | . | . | . |
| 9.867 | 5.6112 | 9.76 | .Q | V | . | . | . | . |
| 9.883 | 5.6246 | 9.78 | .Q | V | . | . | . | . |
| 9.900 | 5.6381 | 9.80 | .Q | V | . | . | . | . |
| 9.917 | 5.6517 | 9.82 | .Q | V | . | . | . | . |
| 9.933 | 5.6652 | 9.84 | .Q | V | . | . | . | . |
| 9.950 | 5.6788 | 9.87 | .Q | V | . | . | . | . |
| 9.967 | 5.6924 | 9.89 | .Q | V | . | . | . | . |
| 9.983 | 5.7061 | 9.91 | .Q | V | . | . | . | . |
| 10.000 | 5.7198 | 9.93 | .Q | V | . | . | . | . |
| 10.017 | 5.7335 | 9.95 | .Q | V | . | . | . | . |
| 10.033 | 5.7472 | 9.98 | .Q | V | . | . | . | . |
| 10.050 | 5.7610 | 10.00 | .Q | V | . | . | . | . |
| 10.067 | 5.7748 | 10.02 | .Q | V | . | . | . | . |
| 10.083 | 5.7886 | 10.04 | .Q | V | . | . | . | . |
| 10.100 | 5.8025 | 10.06 | .Q | V | . | . | . | . |
| 10.117 | 5.8164 | 10.09 | .Q | V | . | . | . | . |
| 10.133 | 5.8303 | 10.11 | .Q | V | . | . | . | . |
| 10.150 | 5.8442 | 10.13 | .Q | V | . | . | . | . |
| 10.167 | 5.8582 | 10.15 | .Q | V | . | . | . | . |
| 10.183 | 5.8722 | 10.17 | .Q | V | . | . | . | . |
| 10.200 | 5.8863 | 10.18 | .Q | V | . | . | . | . |
| 10.217 | 5.9003 | 10.19 | .Q | V | . | . | . | . |
| 10.233 | 5.9144 | 10.21 | .Q | V | . | . | . | . |
| 10.250 | 5.9284 | 10.22 | .Q | V | . | . | . | . |
| 10.267 | 5.9425 | 10.23 | .Q | V | . | . | . | . |
| 10.283 | 5.9566 | 10.24 | .Q | V | . | . | . | . |
| 10.300 | 5.9708 | 10.25 | .Q | V | . | . | . | . |
| 10.317 | 5.9849 | 10.27 | .Q | V | . | . | . | . |
| 10.333 | 5.9991 | 10.28 | .Q | V | . | . | . | . |
| 10.350 | 6.0132 | 10.29 | .Q | V | . | . | . | . |
| 10.367 | 6.0274 | 10.30 | .Q | V | . | . | . | . |
| 10.383 | 6.0416 | 10.31 | .Q | V | . | . | . | . |
| 10.400 | 6.0559 | 10.33 | .Q | V | . | . | . | . |
| 10.417 | 6.0701 | 10.34 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|--------|-------|----|---|---|---|---|---|
| 10.433 | 6.0843 | 10.35 | .Q | V | . | . | . | . |
| 10.450 | 6.0986 | 10.36 | .Q | V | . | . | . | . |
| 10.467 | 6.1129 | 10.37 | .Q | V | . | . | . | . |
| 10.483 | 6.1272 | 10.39 | .Q | V | . | . | . | . |
| 10.500 | 6.1415 | 10.40 | .Q | V | . | . | . | . |
| 10.517 | 6.1559 | 10.41 | .Q | V | . | . | . | . |
| 10.533 | 6.1703 | 10.44 | .Q | V | . | . | . | . |
| 10.550 | 6.1847 | 10.46 | .Q | V | . | . | . | . |
| 10.567 | 6.1991 | 10.49 | .Q | V | . | . | . | . |
| 10.583 | 6.2136 | 10.52 | .Q | V | . | . | . | . |
| 10.600 | 6.2281 | 10.54 | .Q | V | . | . | . | . |
| 10.617 | 6.2427 | 10.57 | .Q | V | . | . | . | . |
| 10.633 | 6.2573 | 10.60 | .Q | V | . | . | . | . |
| 10.650 | 6.2719 | 10.62 | .Q | V | . | . | . | . |
| 10.667 | 6.2866 | 10.65 | .Q | V | . | . | . | . |
| 10.683 | 6.3013 | 10.68 | .Q | V | . | . | . | . |
| 10.700 | 6.3160 | 10.70 | .Q | V | . | . | . | . |
| 10.717 | 6.3308 | 10.73 | .Q | V | . | . | . | . |
| 10.733 | 6.3456 | 10.76 | .Q | V | . | . | . | . |
| 10.750 | 6.3605 | 10.78 | .Q | V | . | . | . | . |
| 10.767 | 6.3754 | 10.81 | .Q | V | . | . | . | . |
| 10.783 | 6.3903 | 10.84 | .Q | V | . | . | . | . |
| 10.800 | 6.4053 | 10.86 | .Q | V | . | . | . | . |
| 10.817 | 6.4203 | 10.89 | .Q | V | . | . | . | . |
| 10.833 | 6.4353 | 10.92 | .Q | V | . | . | . | . |
| 10.850 | 6.4504 | 10.94 | .Q | V | . | . | . | . |
| 10.867 | 6.4655 | 10.97 | .Q | V | . | . | . | . |
| 10.883 | 6.4806 | 10.98 | .Q | V | . | . | . | . |
| 10.900 | 6.4957 | 10.99 | .Q | V | . | . | . | . |
| 10.917 | 6.5109 | 11.01 | .Q | V | . | . | . | . |
| 10.933 | 6.5261 | 11.02 | .Q | V | . | . | . | . |
| 10.950 | 6.5413 | 11.04 | .Q | V | . | . | . | . |
| 10.967 | 6.5565 | 11.05 | .Q | V | . | . | . | . |
| 10.983 | 6.5718 | 11.07 | .Q | V | . | . | . | . |
| 11.000 | 6.5870 | 11.08 | .Q | V | . | . | . | . |
| 11.017 | 6.6023 | 11.10 | .Q | V | . | . | . | . |
| 11.033 | 6.6176 | 11.11 | .Q | V | . | . | . | . |
| 11.050 | 6.6330 | 11.13 | .Q | V | . | . | . | . |
| 11.067 | 6.6483 | 11.14 | .Q | V | . | . | . | . |
| 11.083 | 6.6637 | 11.16 | .Q | V | . | . | . | . |
| 11.100 | 6.6791 | 11.17 | .Q | V | . | . | . | . |
| 11.117 | 6.6945 | 11.19 | .Q | V | . | . | . | . |
| 11.133 | 6.7099 | 11.20 | .Q | V | . | . | . | . |
| 11.150 | 6.7253 | 11.22 | .Q | V | . | . | . | . |
| 11.167 | 6.7408 | 11.23 | .Q | V | . | . | . | . |
| 11.183 | 6.7563 | 11.25 | .Q | V | . | . | . | . |
| 11.200 | 6.7718 | 11.26 | .Q | V | . | . | . | . |
| 11.217 | 6.7874 | 11.29 | .Q | V | . | . | . | . |
| 11.233 | 6.8030 | 11.32 | .Q | V | . | . | . | . |
| 11.250 | 6.8186 | 11.35 | .Q | V | . | . | . | . |
| 11.267 | 6.8343 | 11.39 | .Q | V | . | . | . | . |
| 11.283 | 6.8500 | 11.42 | .Q | V | . | . | . | . |
| 11.300 | 6.8658 | 11.45 | .Q | V | . | . | . | . |
| 11.317 | 6.8816 | 11.49 | .Q | V | . | . | . | . |
| 11.333 | 6.8975 | 11.52 | .Q | V | . | . | . | . |
| 11.350 | 6.9134 | 11.55 | .Q | V | . | . | . | . |
| 11.367 | 6.9294 | 11.59 | .Q | V | . | . | . | . |
| 11.383 | 6.9454 | 11.62 | .Q | V | . | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|---|---|---|---|
| 11.400 | 6.9614 | 11.65 | .Q | V | . | . | . |
| 11.417 | 6.9775 | 11.68 | .Q | V | . | . | . |
| 11.433 | 6.9936 | 11.72 | .Q | V | . | . | . |
| 11.450 | 7.0098 | 11.75 | .Q | V | . | . | . |
| 11.467 | 7.0261 | 11.78 | .Q | V | . | . | . |
| 11.483 | 7.0423 | 11.82 | .Q | V | . | . | . |
| 11.500 | 7.0587 | 11.85 | .Q | V | . | . | . |
| 11.517 | 7.0750 | 11.88 | .Q | V | . | . | . |
| 11.533 | 7.0914 | 11.92 | .Q | V | . | . | . |
| 11.550 | 7.1079 | 11.94 | .Q | V | . | . | . |
| 11.567 | 7.1244 | 11.96 | .Q | V | . | . | . |
| 11.583 | 7.1409 | 11.98 | .Q | V | . | . | . |
| 11.600 | 7.1574 | 12.00 | .Q | V | . | . | . |
| 11.617 | 7.1740 | 12.02 | .Q | V | . | . | . |
| 11.633 | 7.1905 | 12.04 | .Q | V | . | . | . |
| 11.650 | 7.2071 | 12.06 | .Q | V | . | . | . |
| 11.667 | 7.2238 | 12.08 | .Q | V | . | . | . |
| 11.683 | 7.2404 | 12.09 | .Q | V | . | . | . |
| 11.700 | 7.2571 | 12.11 | .Q | V | . | . | . |
| 11.717 | 7.2738 | 12.13 | .Q | V | . | . | . |
| 11.733 | 7.2906 | 12.15 | .Q | V | . | . | . |
| 11.750 | 7.3073 | 12.17 | .Q | V | . | . | . |
| 11.767 | 7.3241 | 12.19 | .Q | V | . | . | . |
| 11.783 | 7.3409 | 12.21 | .Q | V | . | . | . |
| 11.800 | 7.3578 | 12.22 | .Q | V | . | . | . |
| 11.817 | 7.3746 | 12.24 | .Q | V | . | . | . |
| 11.833 | 7.3915 | 12.26 | .Q | V | . | . | . |
| 11.850 | 7.4084 | 12.28 | .Q | V | . | . | . |
| 11.867 | 7.4254 | 12.30 | .Q | V | . | . | . |
| 11.883 | 7.4423 | 12.32 | .Q | V | . | . | . |
| 11.900 | 7.4594 | 12.39 | .Q | V | . | . | . |
| 11.917 | 7.4766 | 12.52 | .Q | V | . | . | . |
| 11.933 | 7.4940 | 12.64 | .Q | V | . | . | . |
| 11.950 | 7.5116 | 12.76 | .Q | V | . | . | . |
| 11.967 | 7.5294 | 12.88 | .Q | V | . | . | . |
| 11.983 | 7.5473 | 13.00 | .Q | V | . | . | . |
| 12.000 | 7.5653 | 13.12 | .Q | V | . | . | . |
| 12.017 | 7.5836 | 13.24 | .Q | V | . | . | . |
| 12.033 | 7.6020 | 13.37 | .Q | V | . | . | . |
| 12.050 | 7.6206 | 13.49 | .Q | V | . | . | . |
| 12.067 | 7.6393 | 13.61 | .Q | V | . | . | . |
| 12.083 | 7.6582 | 13.73 | .Q | V | . | . | . |
| 12.100 | 7.6773 | 13.85 | .Q | V | . | . | . |
| 12.117 | 7.6966 | 13.97 | .Q | V | . | . | . |
| 12.133 | 7.7160 | 14.09 | .Q | V | . | . | . |
| 12.150 | 7.7356 | 14.22 | .Q | V | . | . | . |
| 12.167 | 7.7553 | 14.34 | .Q | V | . | . | . |
| 12.183 | 7.7752 | 14.46 | .Q | V | . | . | . |
| 12.200 | 7.7953 | 14.58 | .Q | V | . | . | . |
| 12.217 | 7.8155 | 14.70 | .Q | V | . | . | . |
| 12.233 | 7.8360 | 14.82 | .Q | V | . | . | . |
| 12.250 | 7.8565 | 14.93 | .Q | V | . | . | . |
| 12.267 | 7.8773 | 15.04 | .Q | V | . | . | . |
| 12.283 | 7.8981 | 15.15 | .Q | V | . | . | . |
| 12.300 | 7.9191 | 15.26 | .Q | V | . | . | . |
| 12.317 | 7.9403 | 15.37 | .Q | V | . | . | . |
| 12.333 | 7.9616 | 15.48 | .Q | V | . | . | . |
| 12.350 | 7.9831 | 15.59 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|----|---|---|---|
| 12.367 | 8.0047 | 15.70 | .Q | V | . | . | . |
| 12.383 | 8.0265 | 15.81 | .Q | V | . | . | . |
| 12.400 | 8.0485 | 15.92 | .Q | V | . | . | . |
| 12.417 | 8.0705 | 16.03 | .Q | V | . | . | . |
| 12.433 | 8.0928 | 16.14 | .Q | V | . | . | . |
| 12.450 | 8.1151 | 16.25 | .Q | V | . | . | . |
| 12.467 | 8.1377 | 16.36 | .Q | V | . | . | . |
| 12.483 | 8.1604 | 16.47 | .Q | V | . | . | . |
| 12.500 | 8.1832 | 16.58 | .Q | V | . | . | . |
| 12.517 | 8.2062 | 16.69 | .Q | V | . | . | . |
| 12.533 | 8.2293 | 16.80 | .Q | V | . | . | . |
| 12.550 | 8.2526 | 16.91 | .Q | V | . | . | . |
| 12.567 | 8.2761 | 17.02 | .Q | V | . | . | . |
| 12.583 | 8.2996 | 17.11 | .Q | V | . | . | . |
| 12.600 | 8.3233 | 17.17 | .Q | V | . | . | . |
| 12.617 | 8.3470 | 17.23 | .Q | V | . | . | . |
| 12.633 | 8.3708 | 17.29 | .Q | V | . | . | . |
| 12.650 | 8.3947 | 17.34 | .Q | V | . | . | . |
| 12.667 | 8.4187 | 17.40 | .Q | V | . | . | . |
| 12.683 | 8.4427 | 17.46 | .Q | V | . | . | . |
| 12.700 | 8.4669 | 17.52 | .Q | V | . | . | . |
| 12.717 | 8.4911 | 17.58 | .Q | V | . | . | . |
| 12.733 | 8.5154 | 17.64 | .Q | V | . | . | . |
| 12.750 | 8.5398 | 17.70 | .Q | V | . | . | . |
| 12.767 | 8.5642 | 17.76 | .Q | V | . | . | . |
| 12.783 | 8.5888 | 17.82 | .Q | V | . | . | . |
| 12.800 | 8.6134 | 17.88 | .Q | V | . | . | . |
| 12.817 | 8.6381 | 17.94 | .Q | V | . | . | . |
| 12.833 | 8.6629 | 18.00 | .Q | V | . | . | . |
| 12.850 | 8.6877 | 18.06 | .Q | V | . | . | . |
| 12.867 | 8.7127 | 18.11 | .Q | V | . | . | . |
| 12.883 | 8.7377 | 18.17 | .Q | V | . | . | . |
| 12.900 | 8.7628 | 18.23 | .Q | V | . | . | . |
| 12.917 | 8.7880 | 18.29 | .Q | V | . | . | . |
| 12.933 | 8.8133 | 18.33 | .Q | V | . | . | . |
| 12.950 | 8.8386 | 18.37 | .Q | V | . | . | . |
| 12.967 | 8.8639 | 18.40 | .Q | V | . | . | . |
| 12.983 | 8.8893 | 18.44 | .Q | .V | . | . | . |
| 13.000 | 8.9148 | 18.47 | .Q | .V | . | . | . |
| 13.017 | 8.9403 | 18.50 | .Q | .V | . | . | . |
| 13.033 | 8.9658 | 18.54 | .Q | .V | . | . | . |
| 13.050 | 8.9914 | 18.57 | .Q | .V | . | . | . |
| 13.067 | 9.0170 | 18.61 | .Q | .V | . | . | . |
| 13.083 | 9.0427 | 18.64 | .Q | .V | . | . | . |
| 13.100 | 9.0684 | 18.68 | .Q | .V | . | . | . |
| 13.117 | 9.0942 | 18.71 | .Q | .V | . | . | . |
| 13.133 | 9.1200 | 18.75 | .Q | .V | . | . | . |
| 13.150 | 9.1459 | 18.78 | .Q | .V | . | . | . |
| 13.167 | 9.1718 | 18.82 | .Q | .V | . | . | . |
| 13.183 | 9.1978 | 18.85 | .Q | .V | . | . | . |
| 13.200 | 9.2238 | 18.89 | .Q | .V | . | . | . |
| 13.217 | 9.2498 | 18.92 | .Q | .V | . | . | . |
| 13.233 | 9.2759 | 18.95 | .Q | .V | . | . | . |
| 13.250 | 9.3021 | 18.99 | .Q | .V | . | . | . |
| 13.267 | 9.3283 | 19.04 | .Q | .V | . | . | . |
| 13.283 | 9.3547 | 19.12 | .Q | .V | . | . | . |
| 13.300 | 9.3811 | 19.20 | .Q | .V | . | . | . |
| 13.317 | 9.4077 | 19.28 | .Q | .V | . | . | . |

| | | | | | | | | |
|--------|---------|-------|---|---|----|---|---|---|
| 13.333 | 9.4343 | 19.36 | . | Q | .V | . | . | . |
| 13.350 | 9.4611 | 19.45 | . | Q | .V | . | . | . |
| 13.367 | 9.4880 | 19.53 | . | Q | .V | . | . | . |
| 13.383 | 9.5150 | 19.61 | . | Q | .V | . | . | . |
| 13.400 | 9.5422 | 19.69 | . | Q | .V | . | . | . |
| 13.417 | 9.5694 | 19.78 | . | Q | .V | . | . | . |
| 13.433 | 9.5968 | 19.86 | . | Q | .V | . | . | . |
| 13.450 | 9.6242 | 19.94 | . | Q | .V | . | . | . |
| 13.467 | 9.6518 | 20.02 | . | Q | .V | . | . | . |
| 13.483 | 9.6795 | 20.11 | . | Q | .V | . | . | . |
| 13.500 | 9.7073 | 20.19 | . | Q | .V | . | . | . |
| 13.517 | 9.7352 | 20.27 | . | Q | .V | . | . | . |
| 13.533 | 9.7633 | 20.35 | . | Q | .V | . | . | . |
| 13.550 | 9.7914 | 20.44 | . | Q | .V | . | . | . |
| 13.567 | 9.8197 | 20.52 | . | Q | .V | . | . | . |
| 13.583 | 9.8481 | 20.60 | . | Q | .V | . | . | . |
| 13.600 | 9.8766 | 20.68 | . | Q | .V | . | . | . |
| 13.617 | 9.9051 | 20.75 | . | Q | .V | . | . | . |
| 13.633 | 9.9338 | 20.80 | . | Q | .V | . | . | . |
| 13.650 | 9.9625 | 20.85 | . | Q | .V | . | . | . |
| 13.667 | 9.9913 | 20.90 | . | Q | .V | . | . | . |
| 13.683 | 10.0201 | 20.95 | . | Q | .V | . | . | . |
| 13.700 | 10.0491 | 21.00 | . | Q | .V | . | . | . |
| 13.717 | 10.0780 | 21.05 | . | Q | .V | . | . | . |
| 13.733 | 10.1071 | 21.10 | . | Q | .V | . | . | . |
| 13.750 | 10.1362 | 21.15 | . | Q | .V | . | . | . |
| 13.767 | 10.1654 | 21.20 | . | Q | .V | . | . | . |
| 13.783 | 10.1947 | 21.25 | . | Q | .V | . | . | . |
| 13.800 | 10.2240 | 21.30 | . | Q | .V | . | . | . |
| 13.817 | 10.2534 | 21.35 | . | Q | .V | . | . | . |
| 13.833 | 10.2829 | 21.40 | . | Q | .V | . | . | . |
| 13.850 | 10.3125 | 21.45 | . | Q | .V | . | . | . |
| 13.867 | 10.3421 | 21.50 | . | Q | .V | . | . | . |
| 13.883 | 10.3718 | 21.55 | . | Q | .V | . | . | . |
| 13.900 | 10.4015 | 21.60 | . | Q | .V | . | . | . |
| 13.917 | 10.4313 | 21.65 | . | Q | .V | . | . | . |
| 13.933 | 10.4612 | 21.70 | . | Q | .V | . | . | . |
| 13.950 | 10.4912 | 21.76 | . | Q | .V | . | . | . |
| 13.967 | 10.5213 | 21.89 | . | Q | .V | . | . | . |
| 13.983 | 10.5517 | 22.03 | . | Q | .V | . | . | . |
| 14.000 | 10.5822 | 22.16 | . | Q | .V | . | . | . |
| 14.017 | 10.6129 | 22.30 | . | Q | .V | . | . | . |
| 14.033 | 10.6438 | 22.44 | . | Q | .V | . | . | . |
| 14.050 | 10.6749 | 22.57 | . | Q | .V | . | . | . |
| 14.067 | 10.7062 | 22.71 | . | Q | .V | . | . | . |
| 14.083 | 10.7377 | 22.84 | . | Q | .V | . | . | . |
| 14.100 | 10.7693 | 22.98 | . | Q | .V | . | . | . |
| 14.117 | 10.8012 | 23.12 | . | Q | .V | . | . | . |
| 14.133 | 10.8332 | 23.25 | . | Q | .V | . | . | . |
| 14.150 | 10.8654 | 23.39 | . | Q | .V | . | . | . |
| 14.167 | 10.8978 | 23.53 | . | Q | .V | . | . | . |
| 14.183 | 10.9304 | 23.66 | . | Q | .V | . | . | . |
| 14.200 | 10.9632 | 23.80 | . | Q | .V | . | . | . |
| 14.217 | 10.9962 | 23.94 | . | Q | .V | . | . | . |
| 14.233 | 11.0293 | 24.07 | . | Q | .V | . | . | . |
| 14.250 | 11.0627 | 24.21 | . | Q | .V | . | . | . |
| 14.267 | 11.0962 | 24.35 | . | Q | .V | . | . | . |
| 14.283 | 11.1299 | 24.48 | . | Q | .V | . | . | . |

| | | | | | | | | |
|--------|---------|-------|---|---|----|---|---|---|
| 14.300 | 11.1638 | 24.60 | . | Q | .V | . | . | . |
| 14.317 | 11.1978 | 24.68 | . | Q | .V | . | . | . |
| 14.333 | 11.2319 | 24.77 | . | Q | .V | . | . | . |
| 14.350 | 11.2662 | 24.85 | . | Q | .V | . | . | . |
| 14.367 | 11.3005 | 24.94 | . | Q | .V | . | . | . |
| 14.383 | 11.3350 | 25.02 | . | Q | .V | . | . | . |
| 14.400 | 11.3696 | 25.11 | . | Q | .V | . | . | . |
| 14.417 | 11.4043 | 25.19 | . | Q | .V | . | . | . |
| 14.433 | 11.4391 | 25.28 | . | Q | .V | . | . | . |
| 14.450 | 11.4740 | 25.37 | . | Q | .V | . | . | . |
| 14.467 | 11.5091 | 25.45 | . | Q | .V | . | . | . |
| 14.483 | 11.5443 | 25.54 | . | Q | .V | . | . | . |
| 14.500 | 11.5795 | 25.62 | . | Q | .V | . | . | . |
| 14.517 | 11.6150 | 25.71 | . | Q | .V | . | . | . |
| 14.533 | 11.6505 | 25.79 | . | Q | .V | . | . | . |
| 14.550 | 11.6861 | 25.88 | . | Q | .V | . | . | . |
| 14.567 | 11.7219 | 25.96 | . | Q | .V | . | . | . |
| 14.583 | 11.7578 | 26.05 | . | Q | .V | . | . | . |
| 14.600 | 11.7938 | 26.13 | . | Q | .V | . | . | . |
| 14.617 | 11.8299 | 26.22 | . | Q | .V | . | . | . |
| 14.633 | 11.8661 | 26.31 | . | Q | .V | . | . | . |
| 14.650 | 11.9027 | 26.51 | . | Q | .V | . | . | . |
| 14.667 | 11.9395 | 26.74 | . | Q | .V | . | . | . |
| 14.683 | 11.9766 | 26.97 | . | Q | .V | . | . | . |
| 14.700 | 12.0141 | 27.20 | . | Q | .V | . | . | . |
| 14.717 | 12.0519 | 27.43 | . | Q | .V | . | . | . |
| 14.733 | 12.0900 | 27.66 | . | Q | .V | . | . | . |
| 14.750 | 12.1284 | 27.88 | . | Q | .V | . | . | . |
| 14.767 | 12.1671 | 28.11 | . | Q | .V | . | . | . |
| 14.783 | 12.2061 | 28.34 | . | Q | .V | . | . | . |
| 14.800 | 12.2455 | 28.57 | . | Q | .V | . | . | . |
| 14.817 | 12.2851 | 28.80 | . | Q | .V | . | . | . |
| 14.833 | 12.3251 | 29.02 | . | Q | .V | . | . | . |
| 14.850 | 12.3654 | 29.25 | . | Q | .V | . | . | . |
| 14.867 | 12.4060 | 29.48 | . | Q | .V | . | . | . |
| 14.883 | 12.4469 | 29.71 | . | Q | .V | . | . | . |
| 14.900 | 12.4882 | 29.94 | . | Q | .V | . | . | . |
| 14.917 | 12.5297 | 30.17 | . | Q | .V | . | . | . |
| 14.933 | 12.5716 | 30.39 | . | Q | .V | . | . | . |
| 14.950 | 12.6138 | 30.62 | . | Q | .V | . | . | . |
| 14.967 | 12.6563 | 30.85 | . | Q | .V | . | . | . |
| 14.983 | 12.6991 | 31.06 | . | Q | .V | . | . | . |
| 15.000 | 12.7421 | 31.23 | . | Q | .V | . | . | . |
| 15.017 | 12.7853 | 31.40 | . | Q | .V | . | . | . |
| 15.033 | 12.8288 | 31.57 | . | Q | .V | . | . | . |
| 15.050 | 12.8725 | 31.74 | . | Q | .V | . | . | . |
| 15.067 | 12.9165 | 31.91 | . | Q | .V | . | . | . |
| 15.083 | 12.9607 | 32.08 | . | Q | .V | . | . | . |
| 15.100 | 13.0051 | 32.25 | . | Q | .V | . | . | . |
| 15.117 | 13.0497 | 32.42 | . | Q | .V | . | . | . |
| 15.133 | 13.0946 | 32.59 | . | Q | .V | . | . | . |
| 15.150 | 13.1397 | 32.76 | . | Q | .V | . | . | . |
| 15.167 | 13.1851 | 32.93 | . | Q | .V | . | . | . |
| 15.183 | 13.2307 | 33.09 | . | Q | .V | . | . | . |
| 15.200 | 13.2765 | 33.26 | . | Q | .V | . | . | . |
| 15.217 | 13.3226 | 33.43 | . | Q | .V | . | . | . |
| 15.233 | 13.3688 | 33.60 | . | Q | .V | . | . | . |
| 15.250 | 13.4154 | 33.77 | . | Q | .V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|----|---|---|---|---|---|
| 15.267 | 13.4621 | 33.94 | . | Q | . | V | . | . | . |
| 15.283 | 13.5091 | 34.11 | . | Q | . | V | . | . | . |
| 15.300 | 13.5563 | 34.28 | . | Q | . | V | . | . | . |
| 15.317 | 13.6038 | 34.45 | . | Q | . | V | . | . | . |
| 15.333 | 13.6517 | 34.78 | . | Q | . | V | . | . | . |
| 15.350 | 13.7001 | 35.19 | . | Q | . | V | . | . | . |
| 15.367 | 13.7492 | 35.60 | . | Q | . | V | . | . | . |
| 15.383 | 13.7988 | 36.01 | . | Q | . | V | . | . | . |
| 15.400 | 13.8489 | 36.41 | . | Q | . | V | . | . | . |
| 15.417 | 13.8996 | 36.82 | . | Q | . | V | . | . | . |
| 15.433 | 13.9509 | 37.23 | . | Q | . | V | . | . | . |
| 15.450 | 14.0028 | 37.64 | . | Q | . | V | . | . | . |
| 15.467 | 14.0552 | 38.05 | . | Q | . | V | . | . | . |
| 15.483 | 14.1082 | 38.46 | . | Q | . | V | . | . | . |
| 15.500 | 14.1617 | 38.87 | . | Q | . | V | . | . | . |
| 15.517 | 14.2158 | 39.27 | . | Q | . | V | . | . | . |
| 15.533 | 14.2704 | 39.68 | . | Q | . | V | . | . | . |
| 15.550 | 14.3257 | 40.09 | . | Q | . | V | . | . | . |
| 15.567 | 14.3815 | 40.50 | . | Q | . | V | . | . | . |
| 15.583 | 14.4378 | 40.91 | . | Q | . | V | . | . | . |
| 15.600 | 14.4947 | 41.32 | . | Q | . | V | . | . | . |
| 15.617 | 14.5522 | 41.72 | . | Q | . | V | . | . | . |
| 15.633 | 14.6102 | 42.13 | . | Q | . | V | . | . | . |
| 15.650 | 14.6688 | 42.54 | . | Q | . | V | . | . | . |
| 15.667 | 14.7282 | 43.13 | . | Q | . | V | . | . | . |
| 15.683 | 14.7895 | 44.49 | . | Q | . | V | . | . | . |
| 15.700 | 14.8528 | 45.93 | . | Q | . | V | . | . | . |
| 15.717 | 14.9180 | 47.38 | . | Q | . | V | . | . | . |
| 15.733 | 14.9853 | 48.82 | . | Q | . | V | . | . | . |
| 15.750 | 15.0545 | 50.27 | . | Q | . | V | . | . | . |
| 15.767 | 15.1258 | 51.71 | . | Q | . | V | . | . | . |
| 15.783 | 15.1990 | 53.16 | . | Q | . | V | . | . | . |
| 15.800 | 15.2742 | 54.60 | . | Q | . | V | . | . | . |
| 15.817 | 15.3514 | 56.05 | . | Q | . | V | . | . | . |
| 15.833 | 15.4306 | 57.49 | . | Q | . | V | . | . | . |
| 15.850 | 15.5118 | 58.94 | . | Q | . | V | . | . | . |
| 15.867 | 15.5949 | 60.38 | . | Q | . | V | . | . | . |
| 15.883 | 15.6801 | 61.83 | . | Q | . | V | . | . | . |
| 15.900 | 15.7673 | 63.27 | . | Q | . | V | . | . | . |
| 15.917 | 15.8564 | 64.72 | . | Q | . | V | . | . | . |
| 15.933 | 15.9475 | 66.16 | . | Q | . | V | . | . | . |
| 15.950 | 16.0407 | 67.61 | . | Q | . | V | . | . | . |
| 15.967 | 16.1358 | 69.05 | . | Q | . | V | . | . | . |
| 15.983 | 16.2329 | 70.50 | . | .Q | . | V | . | . | . |
| 16.000 | 16.3320 | 71.95 | . | .Q | . | V | . | . | . |
| 16.017 | 16.4381 | 77.07 | . | .Q | . | V | . | . | . |
| 16.033 | 16.5564 | 85.86 | . | .Q | . | V | . | . | . |
| 16.050 | 16.6868 | 94.66 | . | .Q | . | V | . | . | . |
| 16.067 | 16.8293 | 103.45 | . | .Q | . | V | . | . | . |
| 16.083 | 16.9839 | 112.25 | . | .Q | . | V | . | . | . |
| 16.100 | 17.1506 | 121.04 | . | .Q | . | V | . | . | . |
| 16.117 | 17.3295 | 129.84 | . | .Q | . | V | . | . | . |
| 16.133 | 17.5204 | 138.63 | . | .Q | . | V | . | . | . |
| 16.150 | 17.7235 | 147.43 | . | .Q | . | V | . | . | . |
| 16.167 | 17.9387 | 156.22 | . | .Q | . | V | . | . | . |
| 16.183 | 18.1659 | 165.02 | . | .Q | . | V | . | . | . |
| 16.200 | 18.4054 | 173.81 | . | .Q | . | V | . | . | . |
| 16.217 | 18.6569 | 182.61 | . | .Q | . | V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|----|---|
| 16.233 | 18.9205 | 191.40 | . | . | . | V | . | Q | . |
| 16.250 | 19.1963 | 200.20 | . | . | . | V | . | .Q | . |
| 16.267 | 19.4841 | 208.99 | . | . | . | V | . | .Q | . |
| 16.283 | 19.7841 | 217.79 | . | . | . | V | . | .Q | . |
| 16.300 | 20.0962 | 226.58 | . | . | . | V | . | .Q | . |
| 16.317 | 20.4204 | 235.38 | . | . | . | V | . | .Q | . |
| 16.333 | 20.7568 | 244.17 | . | . | . | V | . | .Q | . |
| 16.350 | 21.1063 | 253.76 | . | . | . | V | . | .Q | . |
| 16.367 | 21.4428 | 244.30 | . | . | . | V | . | .Q | . |
| 16.383 | 21.7650 | 233.91 | . | . | . | V | . | .Q | . |
| 16.400 | 22.0729 | 223.53 | . | . | . | V | . | .Q | . |
| 16.417 | 22.3665 | 213.14 | . | . | . | V | . | .Q | . |
| 16.433 | 22.6457 | 202.75 | . | . | . | V | . | .Q | . |
| 16.450 | 22.9107 | 192.36 | . | . | . | V | . | .Q | . |
| 16.467 | 23.1613 | 181.96 | . | . | . | V | . | .Q | . |
| 16.483 | 23.3977 | 171.57 | . | . | . | V | . | .Q | . |
| 16.500 | 23.6197 | 161.19 | . | . | . | V | . | .Q | . |
| 16.517 | 23.8274 | 150.80 | . | . | . | V | . | .Q | . |
| 16.533 | 24.0208 | 140.41 | . | . | . | V | . | .Q | . |
| 16.550 | 24.1999 | 130.02 | . | . | . | V | . | .Q | . |
| 16.567 | 24.3646 | 119.63 | . | . | . | V | . | .Q | . |
| 16.583 | 24.5151 | 109.24 | . | . | . | V | . | .Q | . |
| 16.600 | 24.6512 | 98.85 | . | . | . | V | . | .Q | . |
| 16.617 | 24.7731 | 88.46 | . | . | . | V | . | .Q | . |
| 16.633 | 24.8806 | 78.07 | . | . | . | V | . | .Q | . |
| 16.650 | 24.9738 | 67.68 | . | . | . | V | . | .Q | . |
| 16.667 | 25.0527 | 57.29 | . | . | . | V | . | .Q | . |
| 16.683 | 25.1173 | 46.90 | . | . | . | V | . | .Q | . |
| 16.700 | 25.1722 | 39.81 | . | . | . | V | . | .Q | . |
| 16.717 | 25.2260 | 39.10 | . | . | . | V | . | .Q | . |
| 16.733 | 25.2791 | 38.54 | . | . | . | V | . | .Q | . |
| 16.750 | 25.3314 | 37.99 | . | . | . | V | . | .Q | . |
| 16.767 | 25.3830 | 37.43 | . | . | . | V | . | .Q | . |
| 16.783 | 25.4338 | 36.87 | . | . | . | V | . | .Q | . |
| 16.800 | 25.4838 | 36.32 | . | . | . | V | . | .Q | . |
| 16.817 | 25.5331 | 35.76 | . | . | . | V | . | .Q | . |
| 16.833 | 25.5816 | 35.21 | . | . | . | V | . | .Q | . |
| 16.850 | 25.6293 | 34.65 | . | . | . | V | . | .Q | . |
| 16.867 | 25.6763 | 34.10 | . | . | . | V | . | .Q | . |
| 16.883 | 25.7225 | 33.54 | . | . | . | V | . | .Q | . |
| 16.900 | 25.7679 | 32.98 | . | . | . | V | . | .Q | . |
| 16.917 | 25.8126 | 32.43 | . | . | . | V | . | .Q | . |
| 16.933 | 25.8565 | 31.87 | . | . | . | V | . | .Q | . |
| 16.950 | 25.8996 | 31.32 | . | . | . | V | . | .Q | . |
| 16.967 | 25.9420 | 30.76 | . | . | . | V | . | .Q | . |
| 16.983 | 25.9836 | 30.21 | . | . | . | V | . | .Q | . |
| 17.000 | 26.0244 | 29.65 | . | . | . | V | . | .Q | . |
| 17.017 | 26.0645 | 29.09 | . | . | . | V | . | .Q | . |
| 17.033 | 26.1038 | 28.55 | . | . | . | V | . | .Q | . |
| 17.050 | 26.1427 | 28.20 | . | . | . | V | . | .Q | . |
| 17.067 | 26.1811 | 27.93 | . | . | . | V | . | .Q | . |
| 17.083 | 26.2192 | 27.67 | . | . | . | V | . | .Q | . |
| 17.100 | 26.2570 | 27.40 | . | . | . | V | . | .Q | . |
| 17.117 | 26.2944 | 27.14 | . | . | . | V | . | .Q | . |
| 17.133 | 26.3314 | 26.87 | . | . | . | V | . | .Q | . |
| 17.150 | 26.3680 | 26.61 | . | . | . | V | . | .Q | . |
| 17.167 | 26.4043 | 26.34 | . | . | . | V | . | .Q | . |
| 17.183 | 26.4402 | 26.08 | . | . | . | V | . | .Q | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 26.4758 | 25.81 | . Q | . | . | . V | . |
| 17.217 | 26.5110 | 25.55 | . Q | . | . | . V | . |
| 17.233 | 26.5458 | 25.29 | . Q | . | . | . V | . |
| 17.250 | 26.5803 | 25.02 | . Q | . | . | . V | . |
| 17.267 | 26.6144 | 24.76 | . Q | . | . | . V | . |
| 17.283 | 26.6481 | 24.49 | . Q | . | . | . V | . |
| 17.300 | 26.6815 | 24.23 | . Q | . | . | . V | . |
| 17.317 | 26.7145 | 23.96 | . Q | . | . | . V | . |
| 17.333 | 26.7471 | 23.70 | . Q | . | . | . V | . |
| 17.350 | 26.7794 | 23.43 | . Q | . | . | . V | . |
| 17.367 | 26.8113 | 23.17 | . Q | . | . | . V | . |
| 17.383 | 26.8429 | 22.93 | . Q | . | . | . V | . |
| 17.400 | 26.8743 | 22.77 | . Q | . | . | . V | . |
| 17.417 | 26.9054 | 22.62 | . Q | . | . | . V | . |
| 17.433 | 26.9364 | 22.46 | . Q | . | . | . V | . |
| 17.450 | 26.9671 | 22.31 | . Q | . | . | . V | . |
| 17.467 | 26.9976 | 22.16 | . Q | . | . | . V | . |
| 17.483 | 27.0279 | 22.01 | . Q | . | . | . V | . |
| 17.500 | 27.0580 | 21.86 | . Q | . | . | . V | . |
| 17.517 | 27.0879 | 21.71 | . Q | . | . | . V | . |
| 17.533 | 27.1176 | 21.55 | . Q | . | . | . V | . |
| 17.550 | 27.1471 | 21.40 | . Q | . | . | . V | . |
| 17.567 | 27.1764 | 21.25 | . Q | . | . | . V | . |
| 17.583 | 27.2054 | 21.10 | . Q | . | . | . V | . |
| 17.600 | 27.2343 | 20.95 | . Q | . | . | . V | . |
| 17.617 | 27.2629 | 20.79 | . Q | . | . | . V | . |
| 17.633 | 27.2914 | 20.64 | . Q | . | . | . V | . |
| 17.650 | 27.3196 | 20.49 | . Q | . | . | . V | . |
| 17.667 | 27.3476 | 20.34 | . Q | . | . | . V | . |
| 17.683 | 27.3754 | 20.19 | . Q | . | . | . V | . |
| 17.700 | 27.4030 | 20.03 | . Q | . | . | . V | . |
| 17.717 | 27.4304 | 19.88 | . Q | . | . | . V | . |
| 17.733 | 27.4576 | 19.76 | . Q | . | . | . V | . |
| 17.750 | 27.4847 | 19.65 | . Q | . | . | . V | . |
| 17.767 | 27.5116 | 19.55 | . Q | . | . | . V | . |
| 17.783 | 27.5384 | 19.44 | . Q | . | . | . V | . |
| 17.800 | 27.5650 | 19.34 | . Q | . | . | . V | . |
| 17.817 | 27.5915 | 19.23 | . Q | . | . | . V | . |
| 17.833 | 27.6178 | 19.13 | . Q | . | . | . V | . |
| 17.850 | 27.6440 | 19.03 | . Q | . | . | . V | . |
| 17.867 | 27.6701 | 18.92 | . Q | . | . | . V | . |
| 17.883 | 27.6960 | 18.82 | . Q | . | . | . V | . |
| 17.900 | 27.7218 | 18.71 | . Q | . | . | . V | . |
| 17.917 | 27.7474 | 18.61 | . Q | . | . | . V | . |
| 17.933 | 27.7729 | 18.50 | . Q | . | . | . V | . |
| 17.950 | 27.7983 | 18.40 | . Q | . | . | . V | . |
| 17.967 | 27.8235 | 18.29 | . Q | . | . | . V | . |
| 17.983 | 27.8485 | 18.19 | . Q | . | . | . V | . |
| 18.000 | 27.8734 | 18.09 | . Q | . | . | . V | . |
| 18.017 | 27.8982 | 17.98 | . Q | . | . | . V | . |
| 18.033 | 27.9228 | 17.88 | . Q | . | . | . V | . |
| 18.050 | 27.9473 | 17.77 | . Q | . | . | . V | . |
| 18.067 | 27.9716 | 17.65 | . Q | . | . | . V | . |
| 18.083 | 27.9956 | 17.43 | . Q | . | . | . V | . |
| 18.100 | 28.0193 | 17.19 | . Q | . | . | . V | . |
| 18.117 | 28.0427 | 16.96 | . Q | . | . | . V | . |
| 18.133 | 28.0657 | 16.72 | . Q | . | . | . V | . |
| 18.150 | 28.0884 | 16.48 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 28.1108 | 16.24 | . Q | . | . | . V | . |
| 18.183 | 28.1328 | 16.00 | . Q | . | . | . V | . |
| 18.200 | 28.1545 | 15.76 | . Q | . | . | . V | . |
| 18.217 | 28.1759 | 15.52 | . Q | . | . | . V | . |
| 18.233 | 28.1969 | 15.28 | . Q | . | . | . V | . |
| 18.250 | 28.2176 | 15.04 | . Q | . | . | . V | . |
| 18.267 | 28.2380 | 14.80 | . Q | . | . | . V | . |
| 18.283 | 28.2581 | 14.56 | . Q | . | . | . V | . |
| 18.300 | 28.2778 | 14.32 | . Q | . | . | . V | . |
| 18.317 | 28.2972 | 14.09 | . Q | . | . | . V | . |
| 18.333 | 28.3163 | 13.85 | . Q | . | . | . V | . |
| 18.350 | 28.3350 | 13.61 | . Q | . | . | . V | . |
| 18.367 | 28.3534 | 13.37 | . Q | . | . | . V | . |
| 18.383 | 28.3715 | 13.13 | . Q | . | . | . V | . |
| 18.400 | 28.3893 | 12.89 | . Q | . | . | . V | . |
| 18.417 | 28.4068 | 12.72 | . Q | . | . | . V | . |
| 18.433 | 28.4242 | 12.66 | . Q | . | . | . V | . |
| 18.450 | 28.4416 | 12.61 | . Q | . | . | . V | . |
| 18.467 | 28.4589 | 12.55 | . Q | . | . | . V | . |
| 18.483 | 28.4761 | 12.49 | . Q | . | . | . V | . |
| 18.500 | 28.4932 | 12.44 | . Q | . | . | . V | . |
| 18.517 | 28.5103 | 12.38 | . Q | . | . | . V | . |
| 18.533 | 28.5273 | 12.33 | . Q | . | . | . V | . |
| 18.550 | 28.5442 | 12.27 | . Q | . | . | . V | . |
| 18.567 | 28.5610 | 12.22 | . Q | . | . | . V | . |
| 18.583 | 28.5778 | 12.16 | . Q | . | . | . V | . |
| 18.600 | 28.5944 | 12.10 | . Q | . | . | . V | . |
| 18.617 | 28.6110 | 12.05 | . Q | . | . | . V | . |
| 18.633 | 28.6275 | 11.99 | . Q | . | . | . V | . |
| 18.650 | 28.6440 | 11.94 | . Q | . | . | . V | . |
| 18.667 | 28.6604 | 11.88 | . Q | . | . | . V | . |
| 18.683 | 28.6766 | 11.83 | . Q | . | . | . V | . |
| 18.700 | 28.6929 | 11.77 | . Q | . | . | . V | . |
| 18.717 | 28.7090 | 11.71 | . Q | . | . | . V | . |
| 18.733 | 28.7250 | 11.66 | . Q | . | . | . V | . |
| 18.750 | 28.7410 | 11.60 | . Q | . | . | . V | . |
| 18.767 | 28.7569 | 11.56 | . Q | . | . | . V | . |
| 18.783 | 28.7728 | 11.51 | . Q | . | . | . V | . |
| 18.800 | 28.7886 | 11.47 | . Q | . | . | . V | . |
| 18.817 | 28.8043 | 11.42 | . Q | . | . | . V | . |
| 18.833 | 28.8200 | 11.38 | . Q | . | . | . V | . |
| 18.850 | 28.8356 | 11.33 | . Q | . | . | . V | . |
| 18.867 | 28.8512 | 11.29 | . Q | . | . | . V | . |
| 18.883 | 28.8667 | 11.25 | . Q | . | . | . V | . |
| 18.900 | 28.8821 | 11.20 | . Q | . | . | . V | . |
| 18.917 | 28.8975 | 11.16 | . Q | . | . | . V | . |
| 18.933 | 28.9128 | 11.11 | . Q | . | . | . V | . |
| 18.950 | 28.9280 | 11.07 | . Q | . | . | . V | . |
| 18.967 | 28.9432 | 11.02 | . Q | . | . | . V | . |
| 18.983 | 28.9583 | 10.98 | . Q | . | . | . V | . |
| 19.000 | 28.9734 | 10.93 | . Q | . | . | . V | . |
| 19.017 | 28.9884 | 10.89 | . Q | . | . | . V | . |
| 19.033 | 29.0033 | 10.85 | . Q | . | . | . V | . |
| 19.050 | 29.0182 | 10.80 | . Q | . | . | . V | . |
| 19.067 | 29.0330 | 10.76 | . Q | . | . | . V | . |
| 19.083 | 29.0478 | 10.71 | . Q | . | . | . V | . |
| 19.100 | 29.0625 | 10.67 | . Q | . | . | . V | . |
| 19.117 | 29.0771 | 10.63 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 29.0917 | 10.60 | .Q | . | . | . | V | . |
| 19.150 | 29.1063 | 10.56 | .Q | . | . | . | V | . |
| 19.167 | 29.1208 | 10.52 | .Q | . | . | . | V | . |
| 19.183 | 29.1352 | 10.49 | .Q | . | . | . | V | . |
| 19.200 | 29.1496 | 10.45 | .Q | . | . | . | V | . |
| 19.217 | 29.1639 | 10.42 | .Q | . | . | . | V | . |
| 19.233 | 29.1782 | 10.38 | .Q | . | . | . | V | . |
| 19.250 | 29.1925 | 10.34 | .Q | . | . | . | V | . |
| 19.267 | 29.2067 | 10.31 | .Q | . | . | . | V | . |
| 19.283 | 29.2208 | 10.27 | .Q | . | . | . | V | . |
| 19.300 | 29.2349 | 10.23 | .Q | . | . | . | V | . |
| 19.317 | 29.2490 | 10.20 | .Q | . | . | . | V | . |
| 19.333 | 29.2630 | 10.16 | .Q | . | . | . | V | . |
| 19.350 | 29.2769 | 10.13 | .Q | . | . | . | V | . |
| 19.367 | 29.2908 | 10.09 | .Q | . | . | . | V | . |
| 19.383 | 29.3047 | 10.05 | .Q | . | . | . | V | . |
| 19.400 | 29.3185 | 10.02 | .Q | . | . | . | V | . |
| 19.417 | 29.3322 | 9.98 | .Q | . | . | . | V | . |
| 19.433 | 29.3459 | 9.94 | .Q | . | . | . | V | . |
| 19.450 | 29.3595 | 9.91 | .Q | . | . | . | V | . |
| 19.467 | 29.3732 | 9.88 | .Q | . | . | . | V | . |
| 19.483 | 29.3867 | 9.85 | .Q | . | . | . | V | . |
| 19.500 | 29.4002 | 9.82 | .Q | . | . | . | V | . |
| 19.517 | 29.4137 | 9.79 | .Q | . | . | . | V | . |
| 19.533 | 29.4272 | 9.76 | .Q | . | . | . | V | . |
| 19.550 | 29.4406 | 9.73 | .Q | . | . | . | V | . |
| 19.567 | 29.4539 | 9.70 | .Q | . | . | . | V | . |
| 19.583 | 29.4673 | 9.67 | .Q | . | . | . | V | . |
| 19.600 | 29.4805 | 9.64 | .Q | . | . | . | V | . |
| 19.617 | 29.4938 | 9.61 | .Q | . | . | . | V | . |
| 19.633 | 29.5070 | 9.58 | .Q | . | . | . | V | . |
| 19.650 | 29.5201 | 9.55 | .Q | . | . | . | V | . |
| 19.667 | 29.5332 | 9.52 | .Q | . | . | . | V | . |
| 19.683 | 29.5463 | 9.49 | .Q | . | . | . | V | . |
| 19.700 | 29.5593 | 9.46 | .Q | . | . | . | V | . |
| 19.717 | 29.5723 | 9.42 | .Q | . | . | . | V | . |
| 19.733 | 29.5852 | 9.39 | .Q | . | . | . | V | . |
| 19.750 | 29.5981 | 9.36 | .Q | . | . | . | V | . |
| 19.767 | 29.6110 | 9.33 | .Q | . | . | . | V | . |
| 19.783 | 29.6238 | 9.30 | .Q | . | . | . | V | . |
| 19.800 | 29.6366 | 9.28 | .Q | . | . | . | V | . |
| 19.817 | 29.6493 | 9.25 | .Q | . | . | . | V | . |
| 19.833 | 29.6620 | 9.23 | .Q | . | . | . | V | . |
| 19.850 | 29.6747 | 9.20 | .Q | . | . | . | V | . |
| 19.867 | 29.6873 | 9.17 | .Q | . | . | . | V | . |
| 19.883 | 29.6999 | 9.15 | .Q | . | . | . | V | . |
| 19.900 | 29.7125 | 9.12 | .Q | . | . | . | V | . |
| 19.917 | 29.7250 | 9.10 | .Q | . | . | . | V | . |
| 19.933 | 29.7375 | 9.07 | .Q | . | . | . | V | . |
| 19.950 | 29.7500 | 9.04 | .Q | . | . | . | V | . |
| 19.967 | 29.7624 | 9.02 | .Q | . | . | . | V | . |
| 19.983 | 29.7748 | 8.99 | .Q | . | . | . | V | . |
| 20.000 | 29.7871 | 8.97 | .Q | . | . | . | V | . |
| 20.017 | 29.7994 | 8.94 | .Q | . | . | . | V | . |
| 20.033 | 29.8117 | 8.92 | .Q | . | . | . | V | . |
| 20.050 | 29.8240 | 8.89 | .Q | . | . | . | V | . |
| 20.067 | 29.8362 | 8.86 | .Q | . | . | . | V | . |
| 20.083 | 29.8484 | 8.84 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 20.100 | 29.8605 | 8.81 | .Q | . | . | . | V | . |
| 20.117 | 29.8726 | 8.79 | .Q | . | . | . | V | . |
| 20.133 | 29.8847 | 8.76 | .Q | . | . | . | V | . |
| 20.150 | 29.8967 | 8.74 | .Q | . | . | . | V | . |
| 20.167 | 29.9087 | 8.72 | .Q | . | . | . | V | . |
| 20.183 | 29.9207 | 8.69 | .Q | . | . | . | V | . |
| 20.200 | 29.9326 | 8.67 | .Q | . | . | . | V | . |
| 20.217 | 29.9445 | 8.65 | .Q | . | . | . | V | . |
| 20.233 | 29.9564 | 8.63 | .Q | . | . | . | V | . |
| 20.250 | 29.9683 | 8.61 | .Q | . | . | . | V | . |
| 20.267 | 29.9801 | 8.58 | .Q | . | . | . | V | . |
| 20.283 | 29.9919 | 8.56 | .Q | . | . | . | V | . |
| 20.300 | 30.0037 | 8.54 | .Q | . | . | . | V | . |
| 20.317 | 30.0154 | 8.52 | .Q | . | . | . | V | . |
| 20.333 | 30.0271 | 8.49 | .Q | . | . | . | V | . |
| 20.350 | 30.0388 | 8.47 | .Q | . | . | . | V | . |
| 20.367 | 30.0504 | 8.45 | .Q | . | . | . | V | . |
| 20.383 | 30.0620 | 8.43 | .Q | . | . | . | V | . |
| 20.400 | 30.0736 | 8.40 | .Q | . | . | . | V | . |
| 20.417 | 30.0851 | 8.38 | .Q | . | . | . | V | . |
| 20.433 | 30.0966 | 8.36 | .Q | . | . | . | V | . |
| 20.450 | 30.1081 | 8.34 | .Q | . | . | . | V | . |
| 20.467 | 30.1196 | 8.31 | .Q | . | . | . | V | . |
| 20.483 | 30.1310 | 8.29 | .Q | . | . | . | V | . |
| 20.500 | 30.1424 | 8.27 | .Q | . | . | . | V | . |
| 20.517 | 30.1538 | 8.26 | .Q | . | . | . | V | . |
| 20.533 | 30.1651 | 8.24 | .Q | . | . | . | V | . |
| 20.550 | 30.1764 | 8.22 | .Q | . | . | . | V | . |
| 20.567 | 30.1877 | 8.20 | .Q | . | . | . | V | . |
| 20.583 | 30.1990 | 8.18 | .Q | . | . | . | V | . |
| 20.600 | 30.2102 | 8.16 | .Q | . | . | . | V | . |
| 20.617 | 30.2214 | 8.14 | .Q | . | . | . | V | . |
| 20.633 | 30.2326 | 8.12 | .Q | . | . | . | V | . |
| 20.650 | 30.2438 | 8.10 | .Q | . | . | . | V | . |
| 20.667 | 30.2549 | 8.08 | .Q | . | . | . | V | . |
| 20.683 | 30.2660 | 8.06 | .Q | . | . | . | V | . |
| 20.700 | 30.2771 | 8.04 | .Q | . | . | . | V | . |
| 20.717 | 30.2881 | 8.02 | .Q | . | . | . | V | . |
| 20.733 | 30.2991 | 8.00 | .Q | . | . | . | V | . |
| 20.750 | 30.3101 | 7.98 | .Q | . | . | . | V | . |
| 20.767 | 30.3211 | 7.96 | .Q | . | . | . | V | . |
| 20.783 | 30.3320 | 7.94 | .Q | . | . | . | V | . |
| 20.800 | 30.3430 | 7.92 | .Q | . | . | . | V | . |
| 20.817 | 30.3538 | 7.90 | .Q | . | . | . | V | . |
| 20.833 | 30.3647 | 7.89 | .Q | . | . | . | V | . |
| 20.850 | 30.3755 | 7.87 | .Q | . | . | . | V | . |
| 20.867 | 30.3864 | 7.85 | .Q | . | . | . | V | . |
| 20.883 | 30.3972 | 7.84 | .Q | . | . | . | V | . |
| 20.900 | 30.4079 | 7.82 | .Q | . | . | . | V | . |
| 20.917 | 30.4187 | 7.80 | .Q | . | . | . | V | . |
| 20.933 | 30.4294 | 7.78 | .Q | . | . | . | V | . |
| 20.950 | 30.4401 | 7.77 | .Q | . | . | . | V | . |
| 20.967 | 30.4508 | 7.75 | .Q | . | . | . | V | . |
| 20.983 | 30.4614 | 7.73 | .Q | . | . | . | V | . |
| 21.000 | 30.4720 | 7.71 | .Q | . | . | . | V | . |
| 21.017 | 30.4826 | 7.70 | .Q | . | . | . | V | . |
| 21.033 | 30.4932 | 7.68 | .Q | . | . | . | V | . |
| 21.050 | 30.5038 | 7.66 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 21.067 | 30.5143 | 7.65 | .Q | . | . | . | V | . |
| 21.083 | 30.5248 | 7.63 | .Q | . | . | . | V | . |
| 21.100 | 30.5353 | 7.61 | .Q | . | . | . | V | . |
| 21.117 | 30.5458 | 7.59 | .Q | . | . | . | V | . |
| 21.133 | 30.5562 | 7.58 | .Q | . | . | . | V | . |
| 21.150 | 30.5666 | 7.56 | .Q | . | . | . | V | . |
| 21.167 | 30.5770 | 7.54 | .Q | . | . | . | V | . |
| 21.183 | 30.5874 | 7.53 | .Q | . | . | . | V | . |
| 21.200 | 30.5977 | 7.51 | .Q | . | . | . | V | . |
| 21.217 | 30.6080 | 7.50 | .Q | . | . | . | V | . |
| 21.233 | 30.6183 | 7.48 | .Q | . | . | . | V | . |
| 21.250 | 30.6286 | 7.47 | .Q | . | . | . | V | . |
| 21.267 | 30.6389 | 7.45 | .Q | . | . | . | V | . |
| 21.283 | 30.6491 | 7.44 | .Q | . | . | . | V | . |
| 21.300 | 30.6593 | 7.42 | .Q | . | . | . | V | . |
| 21.317 | 30.6695 | 7.40 | .Q | . | . | . | V | . |
| 21.333 | 30.6797 | 7.39 | .Q | . | . | . | V | . |
| 21.350 | 30.6899 | 7.37 | .Q | . | . | . | V | . |
| 21.367 | 30.7000 | 7.36 | .Q | . | . | . | V | . |
| 21.383 | 30.7101 | 7.34 | .Q | . | . | . | V | . |
| 21.400 | 30.7202 | 7.33 | .Q | . | . | . | V | . |
| 21.417 | 30.7303 | 7.31 | .Q | . | . | . | V | . |
| 21.433 | 30.7403 | 7.30 | .Q | . | . | . | V | . |
| 21.450 | 30.7504 | 7.28 | .Q | . | . | . | V | . |
| 21.467 | 30.7604 | 7.27 | .Q | . | . | . | V | . |
| 21.483 | 30.7704 | 7.25 | .Q | . | . | . | V | . |
| 21.500 | 30.7803 | 7.24 | .Q | . | . | . | V | . |
| 21.517 | 30.7903 | 7.22 | .Q | . | . | . | V | . |
| 21.533 | 30.8002 | 7.21 | .Q | . | . | . | V | . |
| 21.550 | 30.8101 | 7.19 | .Q | . | . | . | V | . |
| 21.567 | 30.8200 | 7.18 | .Q | . | . | . | V | . |
| 21.583 | 30.8299 | 7.17 | .Q | . | . | . | V | . |
| 21.600 | 30.8397 | 7.15 | .Q | . | . | . | V | . |
| 21.617 | 30.8496 | 7.14 | .Q | . | . | . | V | . |
| 21.633 | 30.8594 | 7.12 | .Q | . | . | . | V | . |
| 21.650 | 30.8692 | 7.11 | .Q | . | . | . | V | . |
| 21.667 | 30.8789 | 7.10 | .Q | . | . | . | V | . |
| 21.683 | 30.8887 | 7.08 | .Q | . | . | . | V | . |
| 21.700 | 30.8984 | 7.07 | .Q | . | . | . | V | . |
| 21.717 | 30.9081 | 7.06 | .Q | . | . | . | V | . |
| 21.733 | 30.9178 | 7.04 | .Q | . | . | . | V | . |
| 21.750 | 30.9275 | 7.03 | .Q | . | . | . | V | . |
| 21.767 | 30.9372 | 7.01 | .Q | . | . | . | V | . |
| 21.783 | 30.9468 | 7.00 | .Q | . | . | . | V | . |
| 21.800 | 30.9565 | 6.99 | .Q | . | . | . | V | . |
| 21.817 | 30.9661 | 6.97 | .Q | . | . | . | V | . |
| 21.833 | 30.9756 | 6.96 | .Q | . | . | . | V | . |
| 21.850 | 30.9852 | 6.95 | .Q | . | . | . | V | . |
| 21.867 | 30.9948 | 6.93 | .Q | . | . | . | V | . |
| 21.883 | 31.0043 | 6.92 | .Q | . | . | . | V | . |
| 21.900 | 31.0138 | 6.91 | .Q | . | . | . | V | . |
| 21.917 | 31.0233 | 6.90 | .Q | . | . | . | V | . |
| 21.933 | 31.0328 | 6.88 | .Q | . | . | . | V | . |
| 21.950 | 31.0423 | 6.87 | .Q | . | . | . | V | . |
| 21.967 | 31.0517 | 6.86 | .Q | . | . | . | V | . |
| 21.983 | 31.0611 | 6.85 | .Q | . | . | . | V | . |
| 22.000 | 31.0705 | 6.83 | .Q | . | . | . | V | . |
| 22.017 | 31.0799 | 6.82 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 22.033 | 31.0893 | 6.81 | .Q | . | . | . | V | . |
| 22.050 | 31.0987 | 6.80 | .Q | . | . | . | V | . |
| 22.067 | 31.1080 | 6.78 | .Q | . | . | . | V | . |
| 22.083 | 31.1173 | 6.77 | .Q | . | . | . | V | . |
| 22.100 | 31.1267 | 6.76 | .Q | . | . | . | V | . |
| 22.117 | 31.1359 | 6.75 | .Q | . | . | . | V | . |
| 22.133 | 31.1452 | 6.73 | .Q | . | . | . | V | . |
| 22.150 | 31.1545 | 6.72 | .Q | . | . | . | V | . |
| 22.167 | 31.1637 | 6.71 | .Q | . | . | . | V | . |
| 22.183 | 31.1729 | 6.70 | .Q | . | . | . | V | . |
| 22.200 | 31.1821 | 6.68 | .Q | . | . | . | V | . |
| 22.217 | 31.1913 | 6.67 | .Q | . | . | . | V | . |
| 22.233 | 31.2005 | 6.66 | .Q | . | . | . | V | . |
| 22.250 | 31.2097 | 6.65 | .Q | . | . | . | V | . |
| 22.267 | 31.2188 | 6.64 | .Q | . | . | . | V | . |
| 22.283 | 31.2279 | 6.63 | .Q | . | . | . | V | . |
| 22.300 | 31.2371 | 6.62 | .Q | . | . | . | V | . |
| 22.317 | 31.2462 | 6.60 | .Q | . | . | . | V | . |
| 22.333 | 31.2552 | 6.59 | .Q | . | . | . | V | . |
| 22.350 | 31.2643 | 6.58 | .Q | . | . | . | V | . |
| 22.367 | 31.2733 | 6.57 | .Q | . | . | . | V | . |
| 22.383 | 31.2824 | 6.56 | .Q | . | . | . | V | . |
| 22.400 | 31.2914 | 6.55 | .Q | . | . | . | V | . |
| 22.417 | 31.3004 | 6.54 | .Q | . | . | . | V | . |
| 22.433 | 31.3094 | 6.52 | .Q | . | . | . | V | . |
| 22.450 | 31.3184 | 6.51 | .Q | . | . | . | V | . |
| 22.467 | 31.3273 | 6.50 | .Q | . | . | . | V | . |
| 22.483 | 31.3363 | 6.49 | .Q | . | . | . | V | . |
| 22.500 | 31.3452 | 6.48 | .Q | . | . | . | V | . |
| 22.517 | 31.3541 | 6.47 | .Q | . | . | . | V | . |
| 22.533 | 31.3630 | 6.46 | .Q | . | . | . | V | . |
| 22.550 | 31.3719 | 6.45 | .Q | . | . | . | V | . |
| 22.567 | 31.3807 | 6.44 | .Q | . | . | . | V | . |
| 22.583 | 31.3896 | 6.43 | .Q | . | . | . | V | . |
| 22.600 | 31.3984 | 6.42 | .Q | . | . | . | V | . |
| 22.617 | 31.4072 | 6.41 | .Q | . | . | . | V | . |
| 22.633 | 31.4161 | 6.39 | .Q | . | . | . | V | . |
| 22.650 | 31.4249 | 6.38 | .Q | . | . | . | V | . |
| 22.667 | 31.4336 | 6.37 | .Q | . | . | . | V | . |
| 22.683 | 31.4424 | 6.36 | .Q | . | . | . | V | . |
| 22.700 | 31.4511 | 6.35 | .Q | . | . | . | V | . |
| 22.717 | 31.4599 | 6.34 | Q | . | . | . | V | . |
| 22.733 | 31.4686 | 6.33 | Q | . | . | . | V | . |
| 22.750 | 31.4773 | 6.32 | Q | . | . | . | V | . |
| 22.767 | 31.4860 | 6.31 | Q | . | . | . | V | . |
| 22.783 | 31.4947 | 6.30 | Q | . | . | . | V | . |
| 22.800 | 31.5034 | 6.29 | Q | . | . | . | V | . |
| 22.817 | 31.5120 | 6.28 | Q | . | . | . | V | . |
| 22.833 | 31.5206 | 6.27 | Q | . | . | . | V | . |
| 22.850 | 31.5293 | 6.26 | Q | . | . | . | V | . |
| 22.867 | 31.5379 | 6.25 | Q | . | . | . | V | . |
| 22.883 | 31.5465 | 6.24 | Q | . | . | . | V | . |
| 22.900 | 31.5550 | 6.23 | Q | . | . | . | V | . |
| 22.917 | 31.5636 | 6.22 | Q | . | . | . | V | . |
| 22.933 | 31.5722 | 6.21 | Q | . | . | . | V | . |
| 22.950 | 31.5807 | 6.20 | Q | . | . | . | V | . |
| 22.967 | 31.5892 | 6.19 | Q | . | . | . | V | . |
| 22.983 | 31.5978 | 6.18 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.000 | 31.6063 | 6.17 | Q | . | . | . | V. |
| 23.017 | 31.6148 | 6.16 | Q | . | . | . | V. |
| 23.033 | 31.6232 | 6.15 | Q | . | . | . | V. |
| 23.050 | 31.6317 | 6.14 | Q | . | . | . | V. |
| 23.067 | 31.6401 | 6.13 | Q | . | . | . | V. |
| 23.083 | 31.6486 | 6.13 | Q | . | . | . | V. |
| 23.100 | 31.6570 | 6.12 | Q | . | . | . | V. |
| 23.117 | 31.6654 | 6.11 | Q | . | . | . | V. |
| 23.133 | 31.6738 | 6.10 | Q | . | . | . | V. |
| 23.150 | 31.6822 | 6.09 | Q | . | . | . | V. |
| 23.167 | 31.6906 | 6.08 | Q | . | . | . | V. |
| 23.183 | 31.6989 | 6.07 | Q | . | . | . | V. |
| 23.200 | 31.7073 | 6.06 | Q | . | . | . | V. |
| 23.217 | 31.7156 | 6.05 | Q | . | . | . | V. |
| 23.233 | 31.7239 | 6.04 | Q | . | . | . | V. |
| 23.250 | 31.7322 | 6.03 | Q | . | . | . | V. |
| 23.267 | 31.7405 | 6.02 | Q | . | . | . | V. |
| 23.283 | 31.7488 | 6.01 | Q | . | . | . | V. |
| 23.300 | 31.7571 | 6.00 | Q | . | . | . | V. |
| 23.317 | 31.7653 | 6.00 | Q | . | . | . | V. |
| 23.333 | 31.7736 | 5.99 | Q | . | . | . | V. |
| 23.350 | 31.7818 | 5.98 | Q | . | . | . | V. |
| 23.367 | 31.7900 | 5.97 | Q | . | . | . | V. |
| 23.383 | 31.7983 | 5.96 | Q | . | . | . | V. |
| 23.400 | 31.8064 | 5.95 | Q | . | . | . | V. |
| 23.417 | 31.8146 | 5.94 | Q | . | . | . | V. |
| 23.433 | 31.8228 | 5.93 | Q | . | . | . | V. |
| 23.450 | 31.8310 | 5.93 | Q | . | . | . | V. |
| 23.467 | 31.8391 | 5.92 | Q | . | . | . | V. |
| 23.483 | 31.8473 | 5.91 | Q | . | . | . | V. |
| 23.500 | 31.8554 | 5.90 | Q | . | . | . | V. |
| 23.517 | 31.8635 | 5.89 | Q | . | . | . | V. |
| 23.533 | 31.8716 | 5.88 | Q | . | . | . | V. |
| 23.550 | 31.8797 | 5.87 | Q | . | . | . | V. |
| 23.567 | 31.8878 | 5.86 | Q | . | . | . | V. |
| 23.583 | 31.8958 | 5.86 | Q | . | . | . | V. |
| 23.600 | 31.9039 | 5.85 | Q | . | . | . | V. |
| 23.617 | 31.9119 | 5.84 | Q | . | . | . | V. |
| 23.633 | 31.9200 | 5.83 | Q | . | . | . | V. |
| 23.650 | 31.9280 | 5.82 | Q | . | . | . | V. |
| 23.667 | 31.9360 | 5.82 | Q | . | . | . | V. |
| 23.683 | 31.9440 | 5.81 | Q | . | . | . | V. |
| 23.700 | 31.9520 | 5.80 | Q | . | . | . | V. |
| 23.717 | 31.9600 | 5.79 | Q | . | . | . | V. |
| 23.733 | 31.9679 | 5.78 | Q | . | . | . | V. |
| 23.750 | 31.9759 | 5.77 | Q | . | . | . | V. |
| 23.767 | 31.9838 | 5.77 | Q | . | . | . | V. |
| 23.783 | 31.9918 | 5.76 | Q | . | . | . | V. |
| 23.800 | 31.9997 | 5.75 | Q | . | . | . | V. |
| 23.817 | 32.0076 | 5.74 | Q | . | . | . | V. |
| 23.833 | 32.0155 | 5.73 | Q | . | . | . | V. |
| 23.850 | 32.0234 | 5.73 | Q | . | . | . | V. |
| 23.867 | 32.0312 | 5.72 | Q | . | . | . | V. |
| 23.883 | 32.0391 | 5.71 | Q | . | . | . | V. |
| 23.900 | 32.0470 | 5.70 | Q | . | . | . | V. |
| 23.917 | 32.0548 | 5.69 | Q | . | . | . | V. |
| 23.933 | 32.0626 | 5.69 | Q | . | . | . | V. |
| 23.950 | 32.0705 | 5.68 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.967 | 32.0783 | 5.67 | Q | . | . | . | V. |
| 23.983 | 32.0861 | 5.66 | Q | . | . | . | V. |
| 24.000 | 32.0939 | 5.66 | Q | . | . | . | V. |
| 24.017 | 32.1016 | 5.65 | Q | . | . | . | V. |
| 24.033 | 32.1094 | 5.64 | Q | . | . | . | V. |
| 24.050 | 32.1172 | 5.63 | Q | . | . | . | V. |
| 24.067 | 32.1249 | 5.63 | Q | . | . | . | V. |
| 24.083 | 32.1327 | 5.62 | Q | . | . | . | V. |
| 24.100 | 32.1404 | 5.61 | Q | . | . | . | V. |
| 24.117 | 32.1481 | 5.60 | Q | . | . | . | V. |
| 24.133 | 32.1558 | 5.60 | Q | . | . | . | V. |
| 24.150 | 32.1635 | 5.59 | Q | . | . | . | V. |
| 24.167 | 32.1712 | 5.58 | Q | . | . | . | V. |
| 24.183 | 32.1789 | 5.57 | Q | . | . | . | V. |
| 24.200 | 32.1866 | 5.57 | Q | . | . | . | V. |
| 24.217 | 32.1942 | 5.56 | Q | . | . | . | V. |
| 24.233 | 32.2019 | 5.55 | Q | . | . | . | V. |
| 24.250 | 32.2094 | 5.45 | Q | . | . | . | V. |
| 24.267 | 32.2165 | 5.19 | Q | . | . | . | V. |
| 24.283 | 32.2233 | 4.92 | Q | . | . | . | V. |
| 24.300 | 32.2297 | 4.65 | Q | . | . | . | V. |
| 24.317 | 32.2357 | 4.38 | Q | . | . | . | V. |
| 24.333 | 32.2414 | 4.11 | Q | . | . | . | V. |
| 24.350 | 32.2467 | 3.84 | Q | . | . | . | V. |
| 24.367 | 32.2516 | 3.57 | Q | . | . | . | V. |
| 24.383 | 32.2561 | 3.30 | Q | . | . | . | V. |
| 24.400 | 32.2603 | 3.03 | Q | . | . | . | V. |
| 24.417 | 32.2641 | 2.76 | Q | . | . | . | V. |
| 24.433 | 32.2675 | 2.49 | Q | . | . | . | V. |
| 24.450 | 32.2706 | 2.22 | Q | . | . | . | V. |
| 24.467 | 32.2733 | 1.95 | Q | . | . | . | V. |
| 24.483 | 32.2756 | 1.68 | Q | . | . | . | V. |
| 24.500 | 32.2775 | 1.41 | Q | . | . | . | V. |
| 24.517 | 32.2791 | 1.14 | Q | . | . | . | V. |
| 24.533 | 32.2803 | 0.88 | Q | . | . | . | V. |
| 24.550 | 32.2812 | 0.61 | Q | . | . | . | V. |
| 24.567 | 32.2816 | 0.34 | 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% | 1474.0 |
| 10% | 830.0 |
| 20% | 275.0 |
| 30% | 190.0 |
| 40% | 160.0 |
| 50% | 135.0 |
| 60% | 105.0 |
| 70% | 80.0 |
| 80% | 50.0 |
| 90% | 25.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED B *
* SMALL AREA HYDROGRAPH - SINGLE AREA MODEL *
* 25-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3B25EVS.DAT
TIME/DATE OF STUDY: 15:42 07/14/2022

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 210.00 TO NODE 231.00 IS CODE = 1.2

>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
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(SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
TOTAL CATCHMENT AREA (ACRES) = 213.70
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.128
LOW LOSS FRACTION = 0.356
TIME OF CONCENTRATION (MIN.) = 19.82
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 10
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.34
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.72
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.95
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.59
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.20
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.68

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 41.18

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 24.35

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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

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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. | 81.9 | 163.9 | 245.8 | 327.8 |
|------------|-------------|---------|----|------|-------|-------|-------|
| 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 | 0.02 | Q | . | . | . | . |
| 0.167 | 0.0005 | 0.31 | Q | . | . | . | . |
| 0.183 | 0.0014 | 0.67 | Q | . | . | . | . |
| 0.200 | 0.0028 | 1.03 | Q | . | . | . | . |
| 0.217 | 0.0047 | 1.39 | Q | . | . | . | . |
| 0.233 | 0.0071 | 1.75 | Q | . | . | . | . |
| 0.250 | 0.0100 | 2.10 | Q | . | . | . | . |
| 0.267 | 0.0134 | 2.46 | Q | . | . | . | . |
| 0.283 | 0.0173 | 2.82 | Q | . | . | . | . |
| 0.300 | 0.0217 | 3.18 | Q | . | . | . | . |
| 0.317 | 0.0266 | 3.54 | Q | . | . | . | . |
| 0.333 | 0.0319 | 3.90 | Q | . | . | . | . |
| 0.350 | 0.0378 | 4.26 | Q | . | . | . | . |
| 0.367 | 0.0442 | 4.62 | Q | . | . | . | . |
| 0.383 | 0.0510 | 4.98 | Q | . | . | . | . |
| 0.400 | 0.0584 | 5.34 | Q | . | . | . | . |
| 0.417 | 0.0662 | 5.70 | Q | . | . | . | . |
| 0.433 | 0.0746 | 6.06 | Q | . | . | . | . |
| 0.450 | 0.0834 | 6.42 | Q | . | . | . | . |
| 0.467 | 0.0927 | 6.77 | Q | . | . | . | . |
| 0.483 | 0.1025 | 7.08 | Q | . | . | . | . |
| 0.500 | 0.1123 | 7.12 | Q | . | . | . | . |
| 0.517 | 0.1221 | 7.13 | Q | . | . | . | . |
| 0.533 | 0.1319 | 7.13 | Q | . | . | . | . |
| 0.550 | 0.1417 | 7.13 | Q | . | . | . | . |
| 0.567 | 0.1516 | 7.14 | Q | . | . | . | . |
| 0.583 | 0.1614 | 7.14 | Q | . | . | . | . |
| 0.600 | 0.1712 | 7.14 | Q | . | . | . | . |
| 0.617 | 0.1811 | 7.15 | Q | . | . | . | . |
| 0.633 | 0.1909 | 7.15 | Q | . | . | . | . |
| 0.650 | 0.2008 | 7.15 | Q | . | . | . | . |
| 0.667 | 0.2106 | 7.15 | Q | . | . | . | . |
| 0.683 | 0.2205 | 7.16 | Q | . | . | . | . |
| 0.700 | 0.2304 | 7.16 | Q | . | . | . | . |
| 0.717 | 0.2402 | 7.16 | Q | . | . | . | . |
| 0.733 | 0.2501 | 7.17 | Q | . | . | . | . |
| 0.750 | 0.2600 | 7.17 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|---|---|---|---|---|
| 0.767 | 0.2699 | 7.17 | Q | . | . | . | . |
| 0.783 | 0.2797 | 7.18 | Q | . | . | . | . |
| 0.800 | 0.2896 | 7.18 | Q | . | . | . | . |
| 0.817 | 0.2995 | 7.18 | Q | . | . | . | . |
| 0.833 | 0.3094 | 7.19 | Q | . | . | . | . |
| 0.850 | 0.3193 | 7.20 | Q | . | . | . | . |
| 0.867 | 0.3293 | 7.20 | Q | . | . | . | . |
| 0.883 | 0.3392 | 7.21 | Q | . | . | . | . |
| 0.900 | 0.3491 | 7.22 | Q | . | . | . | . |
| 0.917 | 0.3591 | 7.22 | Q | . | . | . | . |
| 0.933 | 0.3691 | 7.23 | Q | . | . | . | . |
| 0.950 | 0.3790 | 7.24 | Q | . | . | . | . |
| 0.967 | 0.3890 | 7.24 | Q | . | . | . | . |
| 0.983 | 0.3990 | 7.25 | Q | . | . | . | . |
| 1.000 | 0.4090 | 7.26 | Q | . | . | . | . |
| 1.017 | 0.4190 | 7.26 | Q | . | . | . | . |
| 1.033 | 0.4290 | 7.27 | Q | . | . | . | . |
| 1.050 | 0.4390 | 7.28 | Q | . | . | . | . |
| 1.067 | 0.4491 | 7.28 | Q | . | . | . | . |
| 1.083 | 0.4591 | 7.29 | Q | . | . | . | . |
| 1.100 | 0.4691 | 7.30 | Q | . | . | . | . |
| 1.117 | 0.4792 | 7.30 | Q | . | . | . | . |
| 1.133 | 0.4893 | 7.31 | Q | . | . | . | . |
| 1.150 | 0.4994 | 7.32 | Q | . | . | . | . |
| 1.167 | 0.5094 | 7.32 | Q | . | . | . | . |
| 1.183 | 0.5195 | 7.32 | Q | . | . | . | . |
| 1.200 | 0.5296 | 7.33 | Q | . | . | . | . |
| 1.217 | 0.5397 | 7.33 | Q | . | . | . | . |
| 1.233 | 0.5498 | 7.33 | Q | . | . | . | . |
| 1.250 | 0.5599 | 7.34 | Q | . | . | . | . |
| 1.267 | 0.5700 | 7.34 | Q | . | . | . | . |
| 1.283 | 0.5801 | 7.34 | Q | . | . | . | . |
| 1.300 | 0.5902 | 7.35 | Q | . | . | . | . |
| 1.317 | 0.6004 | 7.35 | Q | . | . | . | . |
| 1.333 | 0.6105 | 7.35 | Q | . | . | . | . |
| 1.350 | 0.6206 | 7.36 | Q | . | . | . | . |
| 1.367 | 0.6308 | 7.36 | Q | . | . | . | . |
| 1.383 | 0.6409 | 7.36 | Q | . | . | . | . |
| 1.400 | 0.6511 | 7.37 | Q | . | . | . | . |
| 1.417 | 0.6612 | 7.37 | Q | . | . | . | . |
| 1.433 | 0.6714 | 7.37 | Q | . | . | . | . |
| 1.450 | 0.6815 | 7.38 | Q | . | . | . | . |
| 1.467 | 0.6917 | 7.38 | Q | . | . | . | . |
| 1.483 | 0.7019 | 7.39 | Q | . | . | . | . |
| 1.500 | 0.7120 | 7.39 | Q | . | . | . | . |
| 1.517 | 0.7222 | 7.40 | Q | . | . | . | . |
| 1.533 | 0.7324 | 7.41 | Q | . | . | . | . |
| 1.550 | 0.7427 | 7.41 | Q | . | . | . | . |
| 1.567 | 0.7529 | 7.42 | Q | . | . | . | . |
| 1.583 | 0.7631 | 7.43 | Q | . | . | . | . |
| 1.600 | 0.7734 | 7.44 | Q | . | . | . | . |
| 1.617 | 0.7836 | 7.44 | Q | . | . | . | . |
| 1.633 | 0.7939 | 7.45 | Q | . | . | . | . |
| 1.650 | 0.8041 | 7.46 | Q | . | . | . | . |
| 1.667 | 0.8144 | 7.46 | Q | . | . | . | . |
| 1.683 | 0.8247 | 7.47 | Q | . | . | . | . |
| 1.700 | 0.8350 | 7.48 | Q | . | . | . | . |
| 1.717 | 0.8453 | 7.49 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 0.8556 | 7.49 | Q | . | . | . | . |
| 1.750 | 0.8660 | 7.50 | Q | . | . | . | . |
| 1.767 | 0.8763 | 7.51 | Q | . | . | . | . |
| 1.783 | 0.8867 | 7.51 | Q | . | . | . | . |
| 1.800 | 0.8970 | 7.52 | Q | . | . | . | . |
| 1.817 | 0.9074 | 7.53 | Q | . | . | . | . |
| 1.833 | 0.9178 | 7.53 | Q | . | . | . | . |
| 1.850 | 0.9281 | 7.53 | Q | . | . | . | . |
| 1.867 | 0.9385 | 7.54 | Q | . | . | . | . |
| 1.883 | 0.9489 | 7.54 | Q | . | . | . | . |
| 1.900 | 0.9593 | 7.54 | Q | . | . | . | . |
| 1.917 | 0.9697 | 7.55 | Q | . | . | . | . |
| 1.933 | 0.9801 | 7.55 | Q | . | . | . | . |
| 1.950 | 0.9905 | 7.56 | Q | . | . | . | . |
| 1.967 | 1.0009 | 7.56 | Q | . | . | . | . |
| 1.983 | 1.0113 | 7.56 | Q | . | . | . | . |
| 2.000 | 1.0217 | 7.57 | Q | . | . | . | . |
| 2.017 | 1.0322 | 7.57 | QV | . | . | . | . |
| 2.033 | 1.0426 | 7.57 | QV | . | . | . | . |
| 2.050 | 1.0530 | 7.58 | QV | . | . | . | . |
| 2.067 | 1.0635 | 7.58 | QV | . | . | . | . |
| 2.083 | 1.0739 | 7.58 | QV | . | . | . | . |
| 2.100 | 1.0844 | 7.59 | QV | . | . | . | . |
| 2.117 | 1.0948 | 7.59 | QV | . | . | . | . |
| 2.133 | 1.1053 | 7.60 | QV | . | . | . | . |
| 2.150 | 1.1158 | 7.60 | QV | . | . | . | . |
| 2.167 | 1.1263 | 7.61 | QV | . | . | . | . |
| 2.183 | 1.1368 | 7.62 | QV | . | . | . | . |
| 2.200 | 1.1473 | 7.63 | QV | . | . | . | . |
| 2.217 | 1.1578 | 7.63 | QV | . | . | . | . |
| 2.233 | 1.1683 | 7.64 | QV | . | . | . | . |
| 2.250 | 1.1788 | 7.65 | QV | . | . | . | . |
| 2.267 | 1.1894 | 7.66 | QV | . | . | . | . |
| 2.283 | 1.1999 | 7.66 | QV | . | . | . | . |
| 2.300 | 1.2105 | 7.67 | QV | . | . | . | . |
| 2.317 | 1.2211 | 7.68 | QV | . | . | . | . |
| 2.333 | 1.2317 | 7.69 | QV | . | . | . | . |
| 2.350 | 1.2423 | 7.70 | QV | . | . | . | . |
| 2.367 | 1.2529 | 7.70 | QV | . | . | . | . |
| 2.383 | 1.2635 | 7.71 | QV | . | . | . | . |
| 2.400 | 1.2741 | 7.72 | QV | . | . | . | . |
| 2.417 | 1.2848 | 7.73 | QV | . | . | . | . |
| 2.433 | 1.2954 | 7.73 | QV | . | . | . | . |
| 2.450 | 1.3061 | 7.74 | QV | . | . | . | . |
| 2.467 | 1.3168 | 7.75 | QV | . | . | . | . |
| 2.483 | 1.3274 | 7.75 | QV | . | . | . | . |
| 2.500 | 1.3381 | 7.76 | QV | . | . | . | . |
| 2.517 | 1.3488 | 7.76 | QV | . | . | . | . |
| 2.533 | 1.3595 | 7.76 | QV | . | . | . | . |
| 2.550 | 1.3702 | 7.77 | QV | . | . | . | . |
| 2.567 | 1.3809 | 7.77 | QV | . | . | . | . |
| 2.583 | 1.3916 | 7.78 | QV | . | . | . | . |
| 2.600 | 1.4023 | 7.78 | QV | . | . | . | . |
| 2.617 | 1.4131 | 7.78 | QV | . | . | . | . |
| 2.633 | 1.4238 | 7.79 | QV | . | . | . | . |
| 2.650 | 1.4345 | 7.79 | QV | . | . | . | . |
| 2.667 | 1.4453 | 7.80 | QV | . | . | . | . |
| 2.683 | 1.4560 | 7.80 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 2.700 | 1.4668 | 7.80 | QV | . | . | . | . |
| 2.717 | 1.4775 | 7.81 | QV | . | . | . | . |
| 2.733 | 1.4883 | 7.81 | QV | . | . | . | . |
| 2.750 | 1.4990 | 7.82 | QV | . | . | . | . |
| 2.767 | 1.5098 | 7.82 | QV | . | . | . | . |
| 2.783 | 1.5206 | 7.82 | QV | . | . | . | . |
| 2.800 | 1.5314 | 7.83 | QV | . | . | . | . |
| 2.817 | 1.5422 | 7.84 | QV | . | . | . | . |
| 2.833 | 1.5530 | 7.85 | QV | . | . | . | . |
| 2.850 | 1.5638 | 7.85 | QV | . | . | . | . |
| 2.867 | 1.5746 | 7.86 | QV | . | . | . | . |
| 2.883 | 1.5855 | 7.87 | QV | . | . | . | . |
| 2.900 | 1.5963 | 7.88 | QV | . | . | . | . |
| 2.917 | 1.6072 | 7.89 | QV | . | . | . | . |
| 2.933 | 1.6181 | 7.90 | QV | . | . | . | . |
| 2.950 | 1.6289 | 7.90 | QV | . | . | . | . |
| 2.967 | 1.6398 | 7.91 | QV | . | . | . | . |
| 2.983 | 1.6508 | 7.92 | QV | . | . | . | . |
| 3.000 | 1.6617 | 7.93 | QV | . | . | . | . |
| 3.017 | 1.6726 | 7.94 | QV | . | . | . | . |
| 3.033 | 1.6836 | 7.95 | QV | . | . | . | . |
| 3.050 | 1.6945 | 7.95 | QV | . | . | . | . |
| 3.067 | 1.7055 | 7.96 | QV | . | . | . | . |
| 3.083 | 1.7165 | 7.97 | QV | . | . | . | . |
| 3.100 | 1.7274 | 7.98 | QV | . | . | . | . |
| 3.117 | 1.7384 | 7.99 | QV | . | . | . | . |
| 3.133 | 1.7495 | 7.99 | QV | . | . | . | . |
| 3.150 | 1.7605 | 8.00 | QV | . | . | . | . |
| 3.167 | 1.7715 | 8.00 | QV | . | . | . | . |
| 3.183 | 1.7825 | 8.01 | QV | . | . | . | . |
| 3.200 | 1.7936 | 8.01 | QV | . | . | . | . |
| 3.217 | 1.8046 | 8.02 | QV | . | . | . | . |
| 3.233 | 1.8156 | 8.02 | QV | . | . | . | . |
| 3.250 | 1.8267 | 8.02 | QV | . | . | . | . |
| 3.267 | 1.8378 | 8.03 | QV | . | . | . | . |
| 3.283 | 1.8488 | 8.03 | QV | . | . | . | . |
| 3.300 | 1.8599 | 8.04 | QV | . | . | . | . |
| 3.317 | 1.8710 | 8.04 | QV | . | . | . | . |
| 3.333 | 1.8820 | 8.05 | QV | . | . | . | . |
| 3.350 | 1.8931 | 8.05 | QV | . | . | . | . |
| 3.367 | 1.9042 | 8.05 | QV | . | . | . | . |
| 3.383 | 1.9153 | 8.06 | QV | . | . | . | . |
| 3.400 | 1.9264 | 8.06 | QV | . | . | . | . |
| 3.417 | 1.9375 | 8.07 | QV | . | . | . | . |
| 3.433 | 1.9487 | 8.07 | QV | . | . | . | . |
| 3.450 | 1.9598 | 8.08 | QV | . | . | . | . |
| 3.467 | 1.9709 | 8.08 | QV | . | . | . | . |
| 3.483 | 1.9821 | 8.09 | QV | . | . | . | . |
| 3.500 | 1.9932 | 8.10 | QV | . | . | . | . |
| 3.517 | 2.0044 | 8.11 | QV | . | . | . | . |
| 3.533 | 2.0156 | 8.12 | QV | . | . | . | . |
| 3.550 | 2.0268 | 8.13 | QV | . | . | . | . |
| 3.567 | 2.0380 | 8.14 | QV | . | . | . | . |
| 3.583 | 2.0492 | 8.15 | QV | . | . | . | . |
| 3.600 | 2.0604 | 8.16 | Q V | . | . | . | . |
| 3.617 | 2.0717 | 8.16 | Q V | . | . | . | . |
| 3.633 | 2.0829 | 8.17 | Q V | . | . | . | . |
| 3.650 | 2.0942 | 8.18 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 3.667 | 2.1055 | 8.19 | Q V | . | . | . | . |
| 3.683 | 2.1168 | 8.20 | .QV | . | . | . | . |
| 3.700 | 2.1281 | 8.21 | .QV | . | . | . | . |
| 3.717 | 2.1394 | 8.22 | .QV | . | . | . | . |
| 3.733 | 2.1507 | 8.23 | .QV | . | . | . | . |
| 3.750 | 2.1621 | 8.24 | .QV | . | . | . | . |
| 3.767 | 2.1734 | 8.24 | .QV | . | . | . | . |
| 3.783 | 2.1848 | 8.25 | .QV | . | . | . | . |
| 3.800 | 2.1962 | 8.26 | .QV | . | . | . | . |
| 3.817 | 2.2076 | 8.26 | .QV | . | . | . | . |
| 3.833 | 2.2190 | 8.27 | .QV | . | . | . | . |
| 3.850 | 2.2304 | 8.27 | .QV | . | . | . | . |
| 3.867 | 2.2418 | 8.28 | .QV | . | . | . | . |
| 3.883 | 2.2532 | 8.28 | .QV | . | . | . | . |
| 3.900 | 2.2646 | 8.29 | .QV | . | . | . | . |
| 3.917 | 2.2760 | 8.29 | .QV | . | . | . | . |
| 3.933 | 2.2874 | 8.30 | .QV | . | . | . | . |
| 3.950 | 2.2989 | 8.30 | .QV | . | . | . | . |
| 3.967 | 2.3103 | 8.31 | .QV | . | . | . | . |
| 3.983 | 2.3218 | 8.31 | .QV | . | . | . | . |
| 4.000 | 2.3332 | 8.32 | .QV | . | . | . | . |
| 4.017 | 2.3447 | 8.32 | .QV | . | . | . | . |
| 4.033 | 2.3561 | 8.33 | .QV | . | . | . | . |
| 4.050 | 2.3676 | 8.33 | .QV | . | . | . | . |
| 4.067 | 2.3791 | 8.33 | .QV | . | . | . | . |
| 4.083 | 2.3906 | 8.34 | .QV | . | . | . | . |
| 4.100 | 2.4021 | 8.34 | .QV | . | . | . | . |
| 4.117 | 2.4136 | 8.35 | .QV | . | . | . | . |
| 4.133 | 2.4251 | 8.36 | .QV | . | . | . | . |
| 4.150 | 2.4366 | 8.37 | .QV | . | . | . | . |
| 4.167 | 2.4482 | 8.38 | .QV | . | . | . | . |
| 4.183 | 2.4597 | 8.39 | .QV | . | . | . | . |
| 4.200 | 2.4713 | 8.40 | .QV | . | . | . | . |
| 4.217 | 2.4829 | 8.41 | .QV | . | . | . | . |
| 4.233 | 2.4945 | 8.42 | .QV | . | . | . | . |
| 4.250 | 2.5061 | 8.43 | .QV | . | . | . | . |
| 4.267 | 2.5177 | 8.44 | .QV | . | . | . | . |
| 4.283 | 2.5293 | 8.45 | .QV | . | . | . | . |
| 4.300 | 2.5410 | 8.46 | .QV | . | . | . | . |
| 4.317 | 2.5526 | 8.47 | .QV | . | . | . | . |
| 4.333 | 2.5643 | 8.48 | .QV | . | . | . | . |
| 4.350 | 2.5760 | 8.49 | .QV | . | . | . | . |
| 4.367 | 2.5877 | 8.50 | .QV | . | . | . | . |
| 4.383 | 2.5994 | 8.51 | .QV | . | . | . | . |
| 4.400 | 2.6112 | 8.52 | .QV | . | . | . | . |
| 4.417 | 2.6229 | 8.53 | .QV | . | . | . | . |
| 4.433 | 2.6347 | 8.54 | .QV | . | . | . | . |
| 4.450 | 2.6464 | 8.54 | .QV | . | . | . | . |
| 4.467 | 2.6582 | 8.55 | .QV | . | . | . | . |
| 4.483 | 2.6700 | 8.56 | .QV | . | . | . | . |
| 4.500 | 2.6818 | 8.56 | .QV | . | . | . | . |
| 4.517 | 2.6936 | 8.57 | .QV | . | . | . | . |
| 4.533 | 2.7054 | 8.57 | .QV | . | . | . | . |
| 4.550 | 2.7172 | 8.58 | .QV | . | . | . | . |
| 4.567 | 2.7290 | 8.58 | .QV | . | . | . | . |
| 4.583 | 2.7408 | 8.59 | .QV | . | . | . | . |
| 4.600 | 2.7527 | 8.59 | .QV | . | . | . | . |
| 4.617 | 2.7645 | 8.60 | .QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|------|---|---|---|---|
| 4.633 | 2.7764 | 8.60 | .QV | . | . | . | . |
| 4.650 | 2.7882 | 8.61 | .QV | . | . | . | . |
| 4.667 | 2.8001 | 8.61 | .QV | . | . | . | . |
| 4.683 | 2.8119 | 8.62 | .QV | . | . | . | . |
| 4.700 | 2.8238 | 8.62 | .QV | . | . | . | . |
| 4.717 | 2.8357 | 8.63 | .QV | . | . | . | . |
| 4.733 | 2.8476 | 8.63 | .QV | . | . | . | . |
| 4.750 | 2.8595 | 8.64 | .QV | . | . | . | . |
| 4.767 | 2.8714 | 8.64 | .QV | . | . | . | . |
| 4.783 | 2.8833 | 8.65 | .QV | . | . | . | . |
| 4.800 | 2.8952 | 8.66 | .QV | . | . | . | . |
| 4.817 | 2.9072 | 8.67 | .QV | . | . | . | . |
| 4.833 | 2.9191 | 8.68 | .QV | . | . | . | . |
| 4.850 | 2.9311 | 8.69 | .QV | . | . | . | . |
| 4.867 | 2.9431 | 8.70 | .QV | . | . | . | . |
| 4.883 | 2.9551 | 8.71 | .QV | . | . | . | . |
| 4.900 | 2.9671 | 8.73 | .QV | . | . | . | . |
| 4.917 | 2.9792 | 8.74 | .QV | . | . | . | . |
| 4.933 | 2.9912 | 8.75 | .QV | . | . | . | . |
| 4.950 | 3.0033 | 8.76 | .QV | . | . | . | . |
| 4.967 | 3.0154 | 8.77 | .QV | . | . | . | . |
| 4.983 | 3.0274 | 8.78 | .QV | . | . | . | . |
| 5.000 | 3.0396 | 8.79 | .QV | . | . | . | . |
| 5.017 | 3.0517 | 8.80 | .QV | . | . | . | . |
| 5.033 | 3.0638 | 8.81 | .QV | . | . | . | . |
| 5.050 | 3.0760 | 8.82 | .QV | . | . | . | . |
| 5.067 | 3.0881 | 8.83 | .QV | . | . | . | . |
| 5.083 | 3.1003 | 8.84 | .Q V | . | . | . | . |
| 5.100 | 3.1125 | 8.85 | .Q V | . | . | . | . |
| 5.117 | 3.1247 | 8.86 | .Q V | . | . | . | . |
| 5.133 | 3.1369 | 8.87 | .Q V | . | . | . | . |
| 5.150 | 3.1492 | 8.87 | .Q V | . | . | . | . |
| 5.167 | 3.1614 | 8.88 | .Q V | . | . | . | . |
| 5.183 | 3.1736 | 8.89 | .Q V | . | . | . | . |
| 5.200 | 3.1859 | 8.89 | .Q V | . | . | . | . |
| 5.217 | 3.1981 | 8.90 | .Q V | . | . | . | . |
| 5.233 | 3.2104 | 8.90 | .Q V | . | . | . | . |
| 5.250 | 3.2227 | 8.91 | .Q V | . | . | . | . |
| 5.267 | 3.2349 | 8.91 | .Q V | . | . | . | . |
| 5.283 | 3.2472 | 8.92 | .Q V | . | . | . | . |
| 5.300 | 3.2595 | 8.93 | .Q V | . | . | . | . |
| 5.317 | 3.2718 | 8.93 | .Q V | . | . | . | . |
| 5.333 | 3.2841 | 8.94 | .Q V | . | . | . | . |
| 5.350 | 3.2964 | 8.94 | .Q V | . | . | . | . |
| 5.367 | 3.3088 | 8.95 | .Q V | . | . | . | . |
| 5.383 | 3.3211 | 8.95 | .Q V | . | . | . | . |
| 5.400 | 3.3334 | 8.96 | .Q V | . | . | . | . |
| 5.417 | 3.3458 | 8.96 | .Q V | . | . | . | . |
| 5.433 | 3.3581 | 8.97 | .Q V | . | . | . | . |
| 5.450 | 3.3705 | 8.98 | .Q V | . | . | . | . |
| 5.467 | 3.3829 | 8.99 | .Q V | . | . | . | . |
| 5.483 | 3.3953 | 9.00 | .Q V | . | . | . | . |
| 5.500 | 3.4077 | 9.02 | .Q V | . | . | . | . |
| 5.517 | 3.4202 | 9.03 | .Q V | . | . | . | . |
| 5.533 | 3.4326 | 9.04 | .Q V | . | . | . | . |
| 5.550 | 3.4451 | 9.05 | .Q V | . | . | . | . |
| 5.567 | 3.4576 | 9.06 | .Q V | . | . | . | . |
| 5.583 | 3.4701 | 9.08 | .Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|------|------|---|---|---|---|
| 5.600 | 3.4826 | 9.09 | .Q V | . | . | . | . |
| 5.617 | 3.4951 | 9.10 | .Q V | . | . | . | . |
| 5.633 | 3.5077 | 9.11 | .Q V | . | . | . | . |
| 5.650 | 3.5202 | 9.12 | .Q V | . | . | . | . |
| 5.667 | 3.5328 | 9.14 | .Q V | . | . | . | . |
| 5.683 | 3.5454 | 9.15 | .Q V | . | . | . | . |
| 5.700 | 3.5580 | 9.16 | .Q V | . | . | . | . |
| 5.717 | 3.5707 | 9.17 | .Q V | . | . | . | . |
| 5.733 | 3.5833 | 9.18 | .Q V | . | . | . | . |
| 5.750 | 3.5960 | 9.19 | .Q V | . | . | . | . |
| 5.767 | 3.6087 | 9.21 | .Q V | . | . | . | . |
| 5.783 | 3.6214 | 9.21 | .Q V | . | . | . | . |
| 5.800 | 3.6341 | 9.22 | .Q V | . | . | . | . |
| 5.817 | 3.6468 | 9.23 | .Q V | . | . | . | . |
| 5.833 | 3.6595 | 9.23 | .Q V | . | . | . | . |
| 5.850 | 3.6722 | 9.24 | .Q V | . | . | . | . |
| 5.867 | 3.6849 | 9.24 | .Q V | . | . | . | . |
| 5.883 | 3.6977 | 9.25 | .Q V | . | . | . | . |
| 5.900 | 3.7104 | 9.26 | .Q V | . | . | . | . |
| 5.917 | 3.7232 | 9.26 | .Q V | . | . | . | . |
| 5.933 | 3.7360 | 9.27 | .Q V | . | . | . | . |
| 5.950 | 3.7487 | 9.28 | .Q V | . | . | . | . |
| 5.967 | 3.7615 | 9.28 | .Q V | . | . | . | . |
| 5.983 | 3.7743 | 9.29 | .Q V | . | . | . | . |
| 6.000 | 3.7871 | 9.29 | .Q V | . | . | . | . |
| 6.017 | 3.7999 | 9.30 | .Q V | . | . | . | . |
| 6.033 | 3.8127 | 9.31 | .Q V | . | . | . | . |
| 6.050 | 3.8256 | 9.31 | .Q V | . | . | . | . |
| 6.067 | 3.8384 | 9.32 | .Q V | . | . | . | . |
| 6.083 | 3.8513 | 9.33 | .Q V | . | . | . | . |
| 6.100 | 3.8641 | 9.33 | .Q V | . | . | . | . |
| 6.117 | 3.8770 | 9.35 | .Q V | . | . | . | . |
| 6.133 | 3.8899 | 9.36 | .Q V | . | . | . | . |
| 6.150 | 3.9028 | 9.37 | .Q V | . | . | . | . |
| 6.167 | 3.9157 | 9.39 | .Q V | . | . | . | . |
| 6.183 | 3.9287 | 9.40 | .Q V | . | . | . | . |
| 6.200 | 3.9416 | 9.41 | .Q V | . | . | . | . |
| 6.217 | 3.9546 | 9.43 | .Q V | . | . | . | . |
| 6.233 | 3.9676 | 9.44 | .Q V | . | . | . | . |
| 6.250 | 3.9806 | 9.45 | .Q V | . | . | . | . |
| 6.267 | 3.9937 | 9.46 | .Q V | . | . | . | . |
| 6.283 | 4.0067 | 9.48 | .Q V | . | . | . | . |
| 6.300 | 4.0198 | 9.49 | .Q V | . | . | . | . |
| 6.317 | 4.0329 | 9.50 | .Q V | . | . | . | . |
| 6.333 | 4.0460 | 9.52 | .Q V | . | . | . | . |
| 6.350 | 4.0591 | 9.53 | .Q V | . | . | . | . |
| 6.367 | 4.0723 | 9.54 | .Q V | . | . | . | . |
| 6.383 | 4.0854 | 9.56 | .Q V | . | . | . | . |
| 6.400 | 4.0986 | 9.57 | .Q V | . | . | . | . |
| 6.417 | 4.1118 | 9.58 | .Q V | . | . | . | . |
| 6.433 | 4.1250 | 9.60 | .Q V | . | . | . | . |
| 6.450 | 4.1383 | 9.60 | .Q V | . | . | . | . |
| 6.467 | 4.1515 | 9.61 | .Q V | . | . | . | . |
| 6.483 | 4.1647 | 9.62 | .Q V | . | . | . | . |
| 6.500 | 4.1780 | 9.62 | .Q V | . | . | . | . |
| 6.517 | 4.1913 | 9.63 | .Q V | . | . | . | . |
| 6.533 | 4.2045 | 9.64 | .Q V | . | . | . | . |
| 6.550 | 4.2178 | 9.64 | .Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 6.567 | 4.2311 | 9.65 | .Q V | . | . | . | . |
| 6.583 | 4.2444 | 9.66 | .Q V | . | . | . | . |
| 6.600 | 4.2577 | 9.66 | .Q V | . | . | . | . |
| 6.617 | 4.2710 | 9.67 | .Q V | . | . | . | . |
| 6.633 | 4.2844 | 9.68 | .Q V | . | . | . | . |
| 6.650 | 4.2977 | 9.69 | .Q V | . | . | . | . |
| 6.667 | 4.3111 | 9.69 | .Q V | . | . | . | . |
| 6.683 | 4.3244 | 9.70 | .Q V | . | . | . | . |
| 6.700 | 4.3378 | 9.71 | .Q V | . | . | . | . |
| 6.717 | 4.3512 | 9.71 | .Q V | . | . | . | . |
| 6.733 | 4.3646 | 9.72 | .Q V | . | . | . | . |
| 6.750 | 4.3780 | 9.73 | .Q V | . | . | . | . |
| 6.767 | 4.3914 | 9.74 | .Q V | . | . | . | . |
| 6.783 | 4.4048 | 9.75 | .Q V | . | . | . | . |
| 6.800 | 4.4183 | 9.77 | .Q V | . | . | . | . |
| 6.817 | 4.4317 | 9.78 | .Q V | . | . | . | . |
| 6.833 | 4.4452 | 9.80 | .Q V | . | . | . | . |
| 6.850 | 4.4588 | 9.81 | .Q V | . | . | . | . |
| 6.867 | 4.4723 | 9.83 | .Q V | . | . | . | . |
| 6.883 | 4.4858 | 9.84 | .Q V | . | . | . | . |
| 6.900 | 4.4994 | 9.86 | .Q V | . | . | . | . |
| 6.917 | 4.5130 | 9.87 | .Q V | . | . | . | . |
| 6.933 | 4.5266 | 9.89 | .Q V | . | . | . | . |
| 6.950 | 4.5403 | 9.90 | .Q V | . | . | . | . |
| 6.967 | 4.5539 | 9.92 | .Q V | . | . | . | . |
| 6.983 | 4.5676 | 9.93 | .Q V | . | . | . | . |
| 7.000 | 4.5813 | 9.94 | .Q V | . | . | . | . |
| 7.017 | 4.5950 | 9.96 | .Q V | . | . | . | . |
| 7.033 | 4.6088 | 9.97 | .Q V | . | . | . | . |
| 7.050 | 4.6225 | 9.99 | .Q V | . | . | . | . |
| 7.067 | 4.6363 | 10.00 | .Q V | . | . | . | . |
| 7.083 | 4.6501 | 10.02 | .Q V | . | . | . | . |
| 7.100 | 4.6639 | 10.03 | .Q V | . | . | . | . |
| 7.117 | 4.6777 | 10.04 | .Q V | . | . | . | . |
| 7.133 | 4.6916 | 10.04 | .Q V | . | . | . | . |
| 7.150 | 4.7054 | 10.05 | .Q V | . | . | . | . |
| 7.167 | 4.7193 | 10.06 | .Q V | . | . | . | . |
| 7.183 | 4.7331 | 10.07 | .Q V | . | . | . | . |
| 7.200 | 4.7470 | 10.08 | .Q V | . | . | . | . |
| 7.217 | 4.7609 | 10.08 | .Q V | . | . | . | . |
| 7.233 | 4.7748 | 10.09 | .Q V | . | . | . | . |
| 7.250 | 4.7887 | 10.10 | .Q V | . | . | . | . |
| 7.267 | 4.8026 | 10.11 | .Q V | . | . | . | . |
| 7.283 | 4.8166 | 10.11 | .Q V | . | . | . | . |
| 7.300 | 4.8305 | 10.12 | .Q V | . | . | . | . |
| 7.317 | 4.8445 | 10.13 | .Q V | . | . | . | . |
| 7.333 | 4.8584 | 10.14 | .Q V | . | . | . | . |
| 7.350 | 4.8724 | 10.15 | .Q V | . | . | . | . |
| 7.367 | 4.8864 | 10.15 | .Q V | . | . | . | . |
| 7.383 | 4.9004 | 10.16 | .Q V | . | . | . | . |
| 7.400 | 4.9144 | 10.17 | .Q V | . | . | . | . |
| 7.417 | 4.9284 | 10.18 | .Q V | . | . | . | . |
| 7.433 | 4.9424 | 10.19 | .Q V | . | . | . | . |
| 7.450 | 4.9565 | 10.21 | .Q V | . | . | . | . |
| 7.467 | 4.9706 | 10.23 | .Q V | . | . | . | . |
| 7.483 | 4.9847 | 10.24 | .Q V | . | . | . | . |
| 7.500 | 4.9988 | 10.26 | .Q V | . | . | . | . |
| 7.517 | 5.0130 | 10.28 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 7.533 | 5.0272 | 10.29 | .Q | V | . | . | . | . |
| 7.550 | 5.0414 | 10.31 | .Q | V | . | . | . | . |
| 7.567 | 5.0556 | 10.33 | .Q | V | . | . | . | . |
| 7.583 | 5.0698 | 10.34 | .Q | V | . | . | . | . |
| 7.600 | 5.0841 | 10.36 | .Q | V | . | . | . | . |
| 7.617 | 5.0984 | 10.38 | .Q | V | . | . | . | . |
| 7.633 | 5.1127 | 10.39 | .Q | V | . | . | . | . |
| 7.650 | 5.1270 | 10.41 | .Q | V | . | . | . | . |
| 7.667 | 5.1414 | 10.42 | .Q | V | . | . | . | . |
| 7.683 | 5.1558 | 10.44 | .Q | V | . | . | . | . |
| 7.700 | 5.1702 | 10.46 | .Q | V | . | . | . | . |
| 7.717 | 5.1846 | 10.47 | .Q | V | . | . | . | . |
| 7.733 | 5.1991 | 10.49 | .Q | V | . | . | . | . |
| 7.750 | 5.2135 | 10.51 | .Q | V | . | . | . | . |
| 7.767 | 5.2280 | 10.52 | .Q | V | . | . | . | . |
| 7.783 | 5.2425 | 10.53 | .Q | V | . | . | . | . |
| 7.800 | 5.2570 | 10.53 | .Q | V | . | . | . | . |
| 7.817 | 5.2716 | 10.54 | .Q | V | . | . | . | . |
| 7.833 | 5.2861 | 10.55 | .Q | V | . | . | . | . |
| 7.850 | 5.3006 | 10.56 | .Q | V | . | . | . | . |
| 7.867 | 5.3152 | 10.57 | .Q | V | . | . | . | . |
| 7.883 | 5.3298 | 10.58 | .Q | V | . | . | . | . |
| 7.900 | 5.3443 | 10.59 | .Q | V | . | . | . | . |
| 7.917 | 5.3589 | 10.60 | .Q | V | . | . | . | . |
| 7.933 | 5.3736 | 10.61 | .Q | V | . | . | . | . |
| 7.950 | 5.3882 | 10.61 | .Q | V | . | . | . | . |
| 7.967 | 5.4028 | 10.62 | .Q | V | . | . | . | . |
| 7.983 | 5.4175 | 10.63 | .Q | V | . | . | . | . |
| 8.000 | 5.4321 | 10.64 | .Q | V | . | . | . | . |
| 8.017 | 5.4468 | 10.65 | .Q | V | . | . | . | . |
| 8.033 | 5.4615 | 10.66 | .Q | V | . | . | . | . |
| 8.050 | 5.4762 | 10.67 | .Q | V | . | . | . | . |
| 8.067 | 5.4909 | 10.68 | .Q | V | . | . | . | . |
| 8.083 | 5.5056 | 10.69 | .Q | V | . | . | . | . |
| 8.100 | 5.5203 | 10.71 | .Q | V | . | . | . | . |
| 8.117 | 5.5351 | 10.72 | .Q | V | . | . | . | . |
| 8.133 | 5.5499 | 10.74 | .Q | V | . | . | . | . |
| 8.150 | 5.5647 | 10.76 | .Q | V | . | . | . | . |
| 8.167 | 5.5796 | 10.78 | .Q | V | . | . | . | . |
| 8.183 | 5.5944 | 10.80 | .Q | V | . | . | . | . |
| 8.200 | 5.6093 | 10.82 | .Q | V | . | . | . | . |
| 8.217 | 5.6243 | 10.84 | .Q | V | . | . | . | . |
| 8.233 | 5.6392 | 10.86 | .Q | V | . | . | . | . |
| 8.250 | 5.6542 | 10.88 | .Q | V | . | . | . | . |
| 8.267 | 5.6692 | 10.89 | .Q | V | . | . | . | . |
| 8.283 | 5.6843 | 10.91 | .Q | V | . | . | . | . |
| 8.300 | 5.6993 | 10.93 | .Q | V | . | . | . | . |
| 8.317 | 5.7144 | 10.95 | .Q | V | . | . | . | . |
| 8.333 | 5.7295 | 10.97 | .Q | V | . | . | . | . |
| 8.350 | 5.7446 | 10.99 | .Q | V | . | . | . | . |
| 8.367 | 5.7598 | 11.01 | .Q | V | . | . | . | . |
| 8.383 | 5.7750 | 11.03 | .Q | V | . | . | . | . |
| 8.400 | 5.7902 | 11.05 | .Q | V | . | . | . | . |
| 8.417 | 5.8054 | 11.06 | .Q | V | . | . | . | . |
| 8.433 | 5.8207 | 11.07 | .Q | V | . | . | . | . |
| 8.450 | 5.8360 | 11.08 | .Q | V | . | . | . | . |
| 8.467 | 5.8512 | 11.09 | .Q | V | . | . | . | . |
| 8.483 | 5.8665 | 11.10 | .Q | V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 8.500 | 5.8818 | 11.11 | .Q | V | . | . | . | . |
| 8.517 | 5.8972 | 11.12 | .Q | V | . | . | . | . |
| 8.533 | 5.9125 | 11.13 | .Q | V | . | . | . | . |
| 8.550 | 5.9278 | 11.14 | .Q | V | . | . | . | . |
| 8.567 | 5.9432 | 11.15 | .Q | V | . | . | . | . |
| 8.583 | 5.9586 | 11.16 | .Q | V | . | . | . | . |
| 8.600 | 5.9740 | 11.17 | .Q | V | . | . | . | . |
| 8.617 | 5.9894 | 11.18 | .Q | V | . | . | . | . |
| 8.633 | 6.0048 | 11.19 | .Q | V | . | . | . | . |
| 8.650 | 6.0202 | 11.20 | .Q | V | . | . | . | . |
| 8.667 | 6.0357 | 11.21 | .Q | V | . | . | . | . |
| 8.683 | 6.0511 | 11.22 | .Q | V | . | . | . | . |
| 8.700 | 6.0666 | 11.23 | .Q | V | . | . | . | . |
| 8.717 | 6.0821 | 11.24 | .Q | V | . | . | . | . |
| 8.733 | 6.0976 | 11.25 | .Q | V | . | . | . | . |
| 8.750 | 6.1131 | 11.27 | .Q | V | . | . | . | . |
| 8.767 | 6.1287 | 11.29 | .Q | V | . | . | . | . |
| 8.783 | 6.1443 | 11.31 | .Q | V | . | . | . | . |
| 8.800 | 6.1599 | 11.34 | .Q | V | . | . | . | . |
| 8.817 | 6.1755 | 11.36 | .Q | V | . | . | . | . |
| 8.833 | 6.1912 | 11.38 | .Q | V | . | . | . | . |
| 8.850 | 6.2069 | 11.40 | .Q | V | . | . | . | . |
| 8.867 | 6.2226 | 11.42 | .Q | V | . | . | . | . |
| 8.883 | 6.2384 | 11.44 | .Q | V | . | . | . | . |
| 8.900 | 6.2542 | 11.47 | .Q | V | . | . | . | . |
| 8.917 | 6.2700 | 11.49 | .Q | V | . | . | . | . |
| 8.933 | 6.2859 | 11.51 | .Q | V | . | . | . | . |
| 8.950 | 6.3017 | 11.53 | .Q | V | . | . | . | . |
| 8.967 | 6.3176 | 11.55 | .Q | V | . | . | . | . |
| 8.983 | 6.3336 | 11.57 | .Q | V | . | . | . | . |
| 9.000 | 6.3496 | 11.60 | .Q | V | . | . | . | . |
| 9.017 | 6.3656 | 11.62 | .Q | V | . | . | . | . |
| 9.033 | 6.3816 | 11.64 | .Q | V | . | . | . | . |
| 9.050 | 6.3977 | 11.66 | .Q | V | . | . | . | . |
| 9.067 | 6.4138 | 11.68 | .Q | V | . | . | . | . |
| 9.083 | 6.4299 | 11.70 | .Q | V | . | . | . | . |
| 9.100 | 6.4460 | 11.71 | .Q | V | . | . | . | . |
| 9.117 | 6.4621 | 11.72 | .Q | V | . | . | . | . |
| 9.133 | 6.4783 | 11.73 | .Q | V | . | . | . | . |
| 9.150 | 6.4945 | 11.74 | .Q | V | . | . | . | . |
| 9.167 | 6.5107 | 11.76 | .Q | V | . | . | . | . |
| 9.183 | 6.5269 | 11.77 | .Q | V | . | . | . | . |
| 9.200 | 6.5431 | 11.78 | .Q | V | . | . | . | . |
| 9.217 | 6.5594 | 11.79 | .Q | V | . | . | . | . |
| 9.233 | 6.5756 | 11.80 | .Q | V | . | . | . | . |
| 9.250 | 6.5919 | 11.82 | .Q | V | . | . | . | . |
| 9.267 | 6.6082 | 11.83 | .Q | V | . | . | . | . |
| 9.283 | 6.6245 | 11.84 | .Q | V | . | . | . | . |
| 9.300 | 6.6408 | 11.85 | .Q | V | . | . | . | . |
| 9.317 | 6.6571 | 11.86 | .Q | V | . | . | . | . |
| 9.333 | 6.6735 | 11.87 | .Q | V | . | . | . | . |
| 9.350 | 6.6899 | 11.89 | .Q | V | . | . | . | . |
| 9.367 | 6.7063 | 11.90 | .Q | V | . | . | . | . |
| 9.383 | 6.7227 | 11.91 | .Q | V | . | . | . | . |
| 9.400 | 6.7391 | 11.92 | .Q | V | . | . | . | . |
| 9.417 | 6.7555 | 11.94 | .Q | V | . | . | . | . |
| 9.433 | 6.7720 | 11.97 | .Q | V | . | . | . | . |
| 9.450 | 6.7885 | 12.00 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|--------|-------|----|---|---|---|---|---|
| 9.467 | 6.8051 | 12.02 | .Q | V | . | . | . | . |
| 9.483 | 6.8217 | 12.05 | .Q | V | . | . | . | . |
| 9.500 | 6.8383 | 12.07 | .Q | V | . | . | . | . |
| 9.517 | 6.8550 | 12.10 | .Q | V | . | . | . | . |
| 9.533 | 6.8717 | 12.12 | .Q | V | . | . | . | . |
| 9.550 | 6.8884 | 12.15 | .Q | V | . | . | . | . |
| 9.567 | 6.9052 | 12.17 | .Q | V | . | . | . | . |
| 9.583 | 6.9220 | 12.20 | .Q | V | . | . | . | . |
| 9.600 | 6.9388 | 12.22 | .Q | V | . | . | . | . |
| 9.617 | 6.9557 | 12.25 | .Q | V | . | . | . | . |
| 9.633 | 6.9726 | 12.27 | .Q | V | . | . | . | . |
| 9.650 | 6.9895 | 12.30 | .Q | V | . | . | . | . |
| 9.667 | 7.0065 | 12.32 | .Q | V | . | . | . | . |
| 9.683 | 7.0235 | 12.35 | .Q | V | . | . | . | . |
| 9.700 | 7.0406 | 12.38 | .Q | V | . | . | . | . |
| 9.717 | 7.0577 | 12.40 | .Q | V | . | . | . | . |
| 9.733 | 7.0748 | 12.42 | .Q | V | . | . | . | . |
| 9.750 | 7.0919 | 12.44 | .Q | V | . | . | . | . |
| 9.767 | 7.1091 | 12.45 | .Q | V | . | . | . | . |
| 9.783 | 7.1262 | 12.47 | .Q | V | . | . | . | . |
| 9.800 | 7.1434 | 12.48 | .Q | V | . | . | . | . |
| 9.817 | 7.1606 | 12.49 | .Q | V | . | . | . | . |
| 9.833 | 7.1778 | 12.51 | .Q | V | . | . | . | . |
| 9.850 | 7.1951 | 12.52 | .Q | V | . | . | . | . |
| 9.867 | 7.2124 | 12.54 | .Q | V | . | . | . | . |
| 9.883 | 7.2296 | 12.55 | .Q | V | . | . | . | . |
| 9.900 | 7.2470 | 12.56 | .Q | V | . | . | . | . |
| 9.917 | 7.2643 | 12.58 | .Q | V | . | . | . | . |
| 9.933 | 7.2816 | 12.59 | .Q | V | . | . | . | . |
| 9.950 | 7.2990 | 12.60 | .Q | V | . | . | . | . |
| 9.967 | 7.3164 | 12.62 | .Q | V | . | . | . | . |
| 9.983 | 7.3338 | 12.63 | .Q | V | . | . | . | . |
| 10.000 | 7.3512 | 12.64 | .Q | V | . | . | . | . |
| 10.017 | 7.3686 | 12.66 | .Q | V | . | . | . | . |
| 10.033 | 7.3861 | 12.67 | .Q | V | . | . | . | . |
| 10.050 | 7.4035 | 12.69 | .Q | V | . | . | . | . |
| 10.067 | 7.4210 | 12.70 | .Q | V | . | . | . | . |
| 10.083 | 7.4386 | 12.73 | .Q | V | . | . | . | . |
| 10.100 | 7.4562 | 12.76 | .Q | V | . | . | . | . |
| 10.117 | 7.4738 | 12.79 | .Q | V | . | . | . | . |
| 10.133 | 7.4914 | 12.82 | .Q | V | . | . | . | . |
| 10.150 | 7.5091 | 12.85 | .Q | V | . | . | . | . |
| 10.167 | 7.5269 | 12.88 | .Q | V | . | . | . | . |
| 10.183 | 7.5447 | 12.91 | .Q | V | . | . | . | . |
| 10.200 | 7.5625 | 12.94 | .Q | V | . | . | . | . |
| 10.217 | 7.5804 | 12.97 | .Q | V | . | . | . | . |
| 10.233 | 7.5983 | 13.00 | .Q | V | . | . | . | . |
| 10.250 | 7.6163 | 13.03 | .Q | V | . | . | . | . |
| 10.267 | 7.6342 | 13.06 | .Q | V | . | . | . | . |
| 10.283 | 7.6523 | 13.09 | .Q | V | . | . | . | . |
| 10.300 | 7.6704 | 13.12 | .Q | V | . | . | . | . |
| 10.317 | 7.6885 | 13.15 | .Q | V | . | . | . | . |
| 10.333 | 7.7066 | 13.18 | .Q | V | . | . | . | . |
| 10.350 | 7.7248 | 13.21 | .Q | V | . | . | . | . |
| 10.367 | 7.7431 | 13.24 | .Q | V | . | . | . | . |
| 10.383 | 7.7614 | 13.27 | .Q | V | . | . | . | . |
| 10.400 | 7.7797 | 13.30 | .Q | V | . | . | . | . |
| 10.417 | 7.7980 | 13.31 | .Q | V | . | . | . | . |

| | | | | | | | | |
|--------|--------|-------|----|---|---|---|---|---|
| 10.433 | 7.8164 | 13.33 | .Q | V | . | . | . | . |
| 10.450 | 7.8348 | 13.35 | .Q | V | . | . | . | . |
| 10.467 | 7.8532 | 13.36 | .Q | V | . | . | . | . |
| 10.483 | 7.8716 | 13.38 | .Q | V | . | . | . | . |
| 10.500 | 7.8901 | 13.40 | .Q | V | . | . | . | . |
| 10.517 | 7.9085 | 13.41 | .Q | V | . | . | . | . |
| 10.533 | 7.9270 | 13.43 | .Q | V | . | . | . | . |
| 10.550 | 7.9456 | 13.45 | .Q | V | . | . | . | . |
| 10.567 | 7.9641 | 13.46 | .Q | V | . | . | . | . |
| 10.583 | 7.9827 | 13.48 | .Q | V | . | . | . | . |
| 10.600 | 8.0013 | 13.50 | .Q | V | . | . | . | . |
| 10.617 | 8.0199 | 13.51 | .Q | V | . | . | . | . |
| 10.633 | 8.0385 | 13.53 | .Q | V | . | . | . | . |
| 10.650 | 8.0572 | 13.54 | .Q | V | . | . | . | . |
| 10.667 | 8.0758 | 13.56 | .Q | V | . | . | . | . |
| 10.683 | 8.0945 | 13.58 | .Q | V | . | . | . | . |
| 10.700 | 8.1133 | 13.59 | .Q | V | . | . | . | . |
| 10.717 | 8.1320 | 13.61 | .Q | V | . | . | . | . |
| 10.733 | 8.1508 | 13.64 | .Q | V | . | . | . | . |
| 10.750 | 8.1696 | 13.67 | .Q | V | . | . | . | . |
| 10.767 | 8.1885 | 13.71 | .Q | V | . | . | . | . |
| 10.783 | 8.2074 | 13.75 | .Q | V | . | . | . | . |
| 10.800 | 8.2264 | 13.78 | .Q | V | . | . | . | . |
| 10.817 | 8.2455 | 13.82 | .Q | V | . | . | . | . |
| 10.833 | 8.2646 | 13.86 | .Q | V | . | . | . | . |
| 10.850 | 8.2837 | 13.89 | .Q | V | . | . | . | . |
| 10.867 | 8.3029 | 13.93 | .Q | V | . | . | . | . |
| 10.883 | 8.3221 | 13.96 | .Q | V | . | . | . | . |
| 10.900 | 8.3414 | 14.00 | .Q | V | . | . | . | . |
| 10.917 | 8.3607 | 14.04 | .Q | V | . | . | . | . |
| 10.933 | 8.3801 | 14.07 | .Q | V | . | . | . | . |
| 10.950 | 8.3996 | 14.11 | .Q | V | . | . | . | . |
| 10.967 | 8.4190 | 14.15 | .Q | V | . | . | . | . |
| 10.983 | 8.4386 | 14.18 | .Q | V | . | . | . | . |
| 11.000 | 8.4582 | 14.22 | .Q | V | . | . | . | . |
| 11.017 | 8.4778 | 14.25 | .Q | V | . | . | . | . |
| 11.033 | 8.4975 | 14.29 | .Q | V | . | . | . | . |
| 11.050 | 8.5172 | 14.33 | .Q | V | . | . | . | . |
| 11.067 | 8.5370 | 14.35 | .Q | V | . | . | . | . |
| 11.083 | 8.5568 | 14.37 | .Q | V | . | . | . | . |
| 11.100 | 8.5766 | 14.39 | .Q | V | . | . | . | . |
| 11.117 | 8.5964 | 14.41 | .Q | V | . | . | . | . |
| 11.133 | 8.6163 | 14.43 | .Q | V | . | . | . | . |
| 11.150 | 8.6362 | 14.45 | .Q | V | . | . | . | . |
| 11.167 | 8.6561 | 14.47 | .Q | V | . | . | . | . |
| 11.183 | 8.6761 | 14.49 | .Q | V | . | . | . | . |
| 11.200 | 8.6961 | 14.51 | .Q | V | . | . | . | . |
| 11.217 | 8.7161 | 14.53 | .Q | V | . | . | . | . |
| 11.233 | 8.7362 | 14.55 | .Q | V | . | . | . | . |
| 11.250 | 8.7562 | 14.57 | .Q | V | . | . | . | . |
| 11.267 | 8.7763 | 14.59 | .Q | V | . | . | . | . |
| 11.283 | 8.7964 | 14.61 | .Q | V | . | . | . | . |
| 11.300 | 8.8166 | 14.63 | .Q | V | . | . | . | . |
| 11.317 | 8.8368 | 14.65 | .Q | V | . | . | . | . |
| 11.333 | 8.8570 | 14.67 | .Q | V | . | . | . | . |
| 11.350 | 8.8772 | 14.69 | .Q | V | . | . | . | . |
| 11.367 | 8.8975 | 14.71 | .Q | V | . | . | . | . |
| 11.383 | 8.9178 | 14.73 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|
| 11.400 | 8.9381 | 14.78 | .Q | V | . | . | . |
| 11.417 | 8.9586 | 14.82 | .Q | V | . | . | . |
| 11.433 | 8.9790 | 14.87 | .Q | V | . | . | . |
| 11.450 | 8.9996 | 14.91 | .Q | V | . | . | . |
| 11.467 | 9.0202 | 14.96 | .Q | V | . | . | . |
| 11.483 | 9.0408 | 15.00 | .Q | V | . | . | . |
| 11.500 | 9.0615 | 15.04 | .Q | V | . | . | . |
| 11.517 | 9.0823 | 15.09 | .Q | V | . | . | . |
| 11.533 | 9.1032 | 15.13 | .Q | V | . | . | . |
| 11.550 | 9.1241 | 15.18 | .Q | V | . | . | . |
| 11.567 | 9.1451 | 15.22 | .Q | V | . | . | . |
| 11.583 | 9.1661 | 15.27 | .Q | V | . | . | . |
| 11.600 | 9.1872 | 15.31 | .Q | V | . | . | . |
| 11.617 | 9.2083 | 15.36 | .Q | V | . | . | . |
| 11.633 | 9.2296 | 15.40 | .Q | V | . | . | . |
| 11.650 | 9.2508 | 15.45 | .Q | V | . | . | . |
| 11.667 | 9.2722 | 15.49 | .Q | V | . | . | . |
| 11.683 | 9.2936 | 15.54 | .Q | V | . | . | . |
| 11.700 | 9.3150 | 15.58 | .Q | V | . | . | . |
| 11.717 | 9.3366 | 15.62 | .Q | V | . | . | . |
| 11.733 | 9.3581 | 15.65 | .Q | V | . | . | . |
| 11.750 | 9.3797 | 15.67 | .Q | V | . | . | . |
| 11.767 | 9.4013 | 15.70 | .Q | V | . | . | . |
| 11.783 | 9.4230 | 15.73 | .Q | V | . | . | . |
| 11.800 | 9.4447 | 15.75 | .Q | V | . | . | . |
| 11.817 | 9.4664 | 15.78 | .Q | V | . | . | . |
| 11.833 | 9.4882 | 15.80 | .Q | V | . | . | . |
| 11.850 | 9.5100 | 15.83 | .Q | V | . | . | . |
| 11.867 | 9.5318 | 15.85 | .Q | V | . | . | . |
| 11.883 | 9.5537 | 15.88 | .Q | V | . | . | . |
| 11.900 | 9.5756 | 15.90 | .Q | V | . | . | . |
| 11.917 | 9.5975 | 15.93 | .Q | V | . | . | . |
| 11.933 | 9.6195 | 15.95 | .Q | V | . | . | . |
| 11.950 | 9.6415 | 15.98 | .Q | V | . | . | . |
| 11.967 | 9.6635 | 16.00 | .Q | V | . | . | . |
| 11.983 | 9.6856 | 16.03 | .Q | V | . | . | . |
| 12.000 | 9.7077 | 16.05 | .Q | V | . | . | . |
| 12.017 | 9.7299 | 16.08 | .Q | V | . | . | . |
| 12.033 | 9.7521 | 16.10 | .Q | V | . | . | . |
| 12.050 | 9.7744 | 16.22 | .Q | V | . | . | . |
| 12.067 | 9.7971 | 16.50 | .Q | V | . | . | . |
| 12.083 | 9.8202 | 16.78 | .Q | V | . | . | . |
| 12.100 | 9.8437 | 17.06 | .Q | V | . | . | . |
| 12.117 | 9.8676 | 17.34 | .Q | V | . | . | . |
| 12.133 | 9.8919 | 17.62 | .Q | V | . | . | . |
| 12.150 | 9.9166 | 17.91 | .Q | V | . | . | . |
| 12.167 | 9.9416 | 18.19 | .Q | V | . | . | . |
| 12.183 | 9.9670 | 18.47 | .Q | V | . | . | . |
| 12.200 | 9.9929 | 18.75 | .Q | V | . | . | . |
| 12.217 | 10.0191 | 19.03 | .Q | V | . | . | . |
| 12.233 | 10.0457 | 19.31 | .Q | V | . | . | . |
| 12.250 | 10.0727 | 19.60 | .Q | V | . | . | . |
| 12.267 | 10.1001 | 19.88 | .Q | V | . | . | . |
| 12.283 | 10.1278 | 20.16 | .Q | V | . | . | . |
| 12.300 | 10.1560 | 20.44 | .Q | V | . | . | . |
| 12.317 | 10.1845 | 20.72 | .Q | V | . | . | . |
| 12.333 | 10.2135 | 21.00 | .Q | V | . | . | . |
| 12.350 | 10.2428 | 21.29 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.367 | 10.2725 | 21.57 | .Q | V | . | . | . |
| 12.383 | 10.3024 | 21.72 | .Q | V | . | . | . |
| 12.400 | 10.3324 | 21.76 | .Q | V | . | . | . |
| 12.417 | 10.3624 | 21.79 | .Q | V | . | . | . |
| 12.433 | 10.3925 | 21.83 | .Q | V | . | . | . |
| 12.450 | 10.4226 | 21.86 | .Q | V | . | . | . |
| 12.467 | 10.4527 | 21.90 | .Q | V | . | . | . |
| 12.483 | 10.4829 | 21.93 | .Q | V | . | . | . |
| 12.500 | 10.5132 | 21.97 | .Q | V | . | . | . |
| 12.517 | 10.5435 | 22.00 | .Q | V | . | . | . |
| 12.533 | 10.5738 | 22.03 | .Q | V | . | . | . |
| 12.550 | 10.6042 | 22.07 | .Q | V | . | . | . |
| 12.567 | 10.6347 | 22.10 | .Q | V | . | . | . |
| 12.583 | 10.6652 | 22.14 | .Q | V | . | . | . |
| 12.600 | 10.6957 | 22.17 | .Q | V | . | . | . |
| 12.617 | 10.7263 | 22.21 | .Q | V | . | . | . |
| 12.633 | 10.7570 | 22.24 | .Q | V | . | . | . |
| 12.650 | 10.7876 | 22.28 | .Q | V | . | . | . |
| 12.667 | 10.8184 | 22.31 | .Q | V | . | . | . |
| 12.683 | 10.8492 | 22.35 | .Q | V | . | . | . |
| 12.700 | 10.8800 | 22.38 | .Q | V | . | . | . |
| 12.717 | 10.9109 | 22.45 | .Q | V | . | . | . |
| 12.733 | 10.9419 | 22.53 | .Q | V | . | . | . |
| 12.750 | 10.9731 | 22.61 | .Q | V | . | . | . |
| 12.767 | 11.0043 | 22.69 | .Q | V | . | . | . |
| 12.783 | 11.0357 | 22.77 | .Q | V | . | . | . |
| 12.800 | 11.0672 | 22.85 | .Q | V | . | . | . |
| 12.817 | 11.0988 | 22.93 | .Q | V | . | . | . |
| 12.833 | 11.1305 | 23.01 | .Q | V | . | . | . |
| 12.850 | 11.1623 | 23.09 | .Q | V | . | . | . |
| 12.867 | 11.1942 | 23.17 | .Q | V | . | . | . |
| 12.883 | 11.2262 | 23.25 | .Q | V | . | . | . |
| 12.900 | 11.2584 | 23.33 | .Q | V | . | . | . |
| 12.917 | 11.2906 | 23.41 | .Q | V | . | . | . |
| 12.933 | 11.3230 | 23.49 | .Q | V | . | . | . |
| 12.950 | 11.3554 | 23.57 | .Q | .V | . | . | . |
| 12.967 | 11.3880 | 23.66 | .Q | .V | . | . | . |
| 12.983 | 11.4207 | 23.74 | .Q | .V | . | . | . |
| 13.000 | 11.4535 | 23.82 | .Q | .V | . | . | . |
| 13.017 | 11.4864 | 23.90 | .Q | .V | . | . | . |
| 13.033 | 11.5195 | 23.97 | .Q | .V | . | . | . |
| 13.050 | 11.5526 | 24.03 | .Q | .V | . | . | . |
| 13.067 | 11.5857 | 24.07 | .Q | .V | . | . | . |
| 13.083 | 11.6189 | 24.12 | .Q | .V | . | . | . |
| 13.100 | 11.6522 | 24.17 | .Q | .V | . | . | . |
| 13.117 | 11.6856 | 24.21 | .Q | .V | . | . | . |
| 13.133 | 11.7190 | 24.26 | .Q | .V | . | . | . |
| 13.150 | 11.7525 | 24.31 | .Q | .V | . | . | . |
| 13.167 | 11.7860 | 24.36 | .Q | .V | . | . | . |
| 13.183 | 11.8197 | 24.40 | .Q | .V | . | . | . |
| 13.200 | 11.8533 | 24.45 | .Q | .V | . | . | . |
| 13.217 | 11.8871 | 24.50 | .Q | .V | . | . | . |
| 13.233 | 11.9209 | 24.54 | .Q | .V | . | . | . |
| 13.250 | 11.9547 | 24.59 | .Q | .V | . | . | . |
| 13.267 | 11.9887 | 24.64 | .Q | .V | . | . | . |
| 13.283 | 12.0227 | 24.68 | .Q | .V | . | . | . |
| 13.300 | 12.0567 | 24.73 | .Q | .V | . | . | . |
| 13.317 | 12.0909 | 24.78 | .Q | .V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 13.333 | 12.1251 | 24.82 | . Q | .V | . | . | . |
| 13.350 | 12.1593 | 24.87 | . Q | .V | . | . | . |
| 13.367 | 12.1937 | 24.93 | . Q | .V | . | . | . |
| 13.383 | 12.2281 | 25.03 | . Q | .V | . | . | . |
| 13.400 | 12.2628 | 25.15 | . Q | .V | . | . | . |
| 13.417 | 12.2976 | 25.26 | . Q | .V | . | . | . |
| 13.433 | 12.3325 | 25.37 | . Q | .V | . | . | . |
| 13.450 | 12.3676 | 25.48 | . Q | . V | . | . | . |
| 13.467 | 12.4029 | 25.59 | . Q | . V | . | . | . |
| 13.483 | 12.4383 | 25.71 | . Q | . V | . | . | . |
| 13.500 | 12.4738 | 25.82 | . Q | . V | . | . | . |
| 13.517 | 12.5096 | 25.93 | . Q | . V | . | . | . |
| 13.533 | 12.5454 | 26.04 | . Q | . V | . | . | . |
| 13.550 | 12.5814 | 26.15 | . Q | . V | . | . | . |
| 13.567 | 12.6176 | 26.27 | . Q | . V | . | . | . |
| 13.583 | 12.6540 | 26.38 | . Q | . V | . | . | . |
| 13.600 | 12.6904 | 26.49 | . Q | . V | . | . | . |
| 13.617 | 12.7271 | 26.60 | . Q | . V | . | . | . |
| 13.633 | 12.7639 | 26.71 | . Q | . V | . | . | . |
| 13.650 | 12.8008 | 26.82 | . Q | . V | . | . | . |
| 13.667 | 12.8379 | 26.94 | . Q | . V | . | . | . |
| 13.683 | 12.8752 | 27.05 | . Q | . V | . | . | . |
| 13.700 | 12.9126 | 27.15 | . Q | . V | . | . | . |
| 13.717 | 12.9501 | 27.22 | . Q | . V | . | . | . |
| 13.733 | 12.9877 | 27.29 | . Q | . V | . | . | . |
| 13.750 | 13.0253 | 27.35 | . Q | . V | . | . | . |
| 13.767 | 13.0631 | 27.42 | . Q | . V | . | . | . |
| 13.783 | 13.1010 | 27.49 | . Q | . V | . | . | . |
| 13.800 | 13.1389 | 27.56 | . Q | . V | . | . | . |
| 13.817 | 13.1770 | 27.63 | . Q | . V | . | . | . |
| 13.833 | 13.2151 | 27.69 | . Q | . V | . | . | . |
| 13.850 | 13.2534 | 27.76 | . Q | . V | . | . | . |
| 13.867 | 13.2917 | 27.83 | . Q | . V | . | . | . |
| 13.883 | 13.3301 | 27.90 | . Q | . V | . | . | . |
| 13.900 | 13.3686 | 27.96 | . Q | . V | . | . | . |
| 13.917 | 13.4073 | 28.03 | . Q | . V | . | . | . |
| 13.933 | 13.4460 | 28.10 | . Q | . V | . | . | . |
| 13.950 | 13.4848 | 28.17 | . Q | . V | . | . | . |
| 13.967 | 13.5237 | 28.24 | . Q | . V | . | . | . |
| 13.983 | 13.5626 | 28.30 | . Q | . V | . | . | . |
| 14.000 | 13.6017 | 28.37 | . Q | . V | . | . | . |
| 14.017 | 13.6409 | 28.44 | . Q | . V | . | . | . |
| 14.033 | 13.6802 | 28.55 | . Q | . V | . | . | . |
| 14.050 | 13.7198 | 28.72 | . Q | . V | . | . | . |
| 14.067 | 13.7596 | 28.90 | . Q | . V | . | . | . |
| 14.083 | 13.7996 | 29.07 | . Q | . V | . | . | . |
| 14.100 | 13.8399 | 29.24 | . Q | . V | . | . | . |
| 14.117 | 13.8804 | 29.41 | . Q | . V | . | . | . |
| 14.133 | 13.9212 | 29.58 | . Q | . V | . | . | . |
| 14.150 | 13.9622 | 29.76 | . Q | . V | . | . | . |
| 14.167 | 14.0034 | 29.93 | . Q | . V | . | . | . |
| 14.183 | 14.0448 | 30.10 | . Q | . V | . | . | . |
| 14.200 | 14.0865 | 30.27 | . Q | . V | . | . | . |
| 14.217 | 14.1285 | 30.45 | . Q | . V | . | . | . |
| 14.233 | 14.1706 | 30.62 | . Q | . V | . | . | . |
| 14.250 | 14.2131 | 30.79 | . Q | . V | . | . | . |
| 14.267 | 14.2557 | 30.96 | . Q | . V | . | . | . |
| 14.283 | 14.2986 | 31.13 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.300 | 14.3417 | 31.31 | . Q | . V | . | . | . |
| 14.317 | 14.3851 | 31.48 | . Q | . V | . | . | . |
| 14.333 | 14.4287 | 31.65 | . Q | . V | . | . | . |
| 14.350 | 14.4725 | 31.82 | . Q | . V | . | . | . |
| 14.367 | 14.5165 | 31.96 | . Q | . V | . | . | . |
| 14.383 | 14.5607 | 32.07 | . Q | . V | . | . | . |
| 14.400 | 14.6050 | 32.18 | . Q | . V | . | . | . |
| 14.417 | 14.6495 | 32.29 | . Q | . V | . | . | . |
| 14.433 | 14.6941 | 32.40 | . Q | . V | . | . | . |
| 14.450 | 14.7389 | 32.51 | . Q | . V | . | . | . |
| 14.467 | 14.7838 | 32.62 | . Q | . V | . | . | . |
| 14.483 | 14.8289 | 32.73 | . Q | . V | . | . | . |
| 14.500 | 14.8742 | 32.84 | . Q | . V | . | . | . |
| 14.517 | 14.9196 | 32.96 | . Q | . V | . | . | . |
| 14.533 | 14.9651 | 33.07 | . Q | . V | . | . | . |
| 14.550 | 15.0108 | 33.18 | . Q | . V | . | . | . |
| 14.567 | 15.0567 | 33.29 | . Q | . V | . | . | . |
| 14.583 | 15.1027 | 33.40 | . Q | . V | . | . | . |
| 14.600 | 15.1488 | 33.51 | . Q | . V | . | . | . |
| 14.617 | 15.1951 | 33.62 | . Q | . V | . | . | . |
| 14.633 | 15.2416 | 33.73 | . Q | . V | . | . | . |
| 14.650 | 15.2882 | 33.84 | . Q | . V | . | . | . |
| 14.667 | 15.3350 | 33.95 | . Q | . V | . | . | . |
| 14.683 | 15.3819 | 34.07 | . Q | . V | . | . | . |
| 14.700 | 15.4292 | 34.33 | . Q | . V | . | . | . |
| 14.717 | 15.4769 | 34.64 | . Q | . V | . | . | . |
| 14.733 | 15.5250 | 34.95 | . Q | . V | . | . | . |
| 14.750 | 15.5736 | 35.26 | . Q | . V | . | . | . |
| 14.767 | 15.6226 | 35.57 | . Q | . V | . | . | . |
| 14.783 | 15.6720 | 35.87 | . Q | . V | . | . | . |
| 14.800 | 15.7218 | 36.18 | . Q | . V | . | . | . |
| 14.817 | 15.7721 | 36.49 | . Q | . V | . | . | . |
| 14.833 | 15.8228 | 36.80 | . Q | . V | . | . | . |
| 14.850 | 15.8739 | 37.11 | . Q | . V | . | . | . |
| 14.867 | 15.9255 | 37.42 | . Q | . V | . | . | . |
| 14.883 | 15.9774 | 37.73 | . Q | . V | . | . | . |
| 14.900 | 16.0298 | 38.04 | . Q | . V | . | . | . |
| 14.917 | 16.0826 | 38.35 | . Q | . V | . | . | . |
| 14.933 | 16.1359 | 38.66 | . Q | . V | . | . | . |
| 14.950 | 16.1896 | 38.97 | . Q | . V | . | . | . |
| 14.967 | 16.2436 | 39.27 | . Q | . V | . | . | . |
| 14.983 | 16.2982 | 39.58 | . Q | . V | . | . | . |
| 15.000 | 16.3531 | 39.89 | . Q | . V | . | . | . |
| 15.017 | 16.4085 | 40.19 | . Q | . V | . | . | . |
| 15.033 | 16.4642 | 40.44 | . Q | . V | . | . | . |
| 15.050 | 16.5202 | 40.68 | . Q | . V | . | . | . |
| 15.067 | 16.5766 | 40.91 | . Q | . V | . | . | . |
| 15.083 | 16.6332 | 41.15 | . Q | . V | . | . | . |
| 15.100 | 16.6903 | 41.38 | . Q | . V | . | . | . |
| 15.117 | 16.7476 | 41.62 | . Q | . V | . | . | . |
| 15.133 | 16.8052 | 41.86 | . Q | . V | . | . | . |
| 15.150 | 16.8632 | 42.09 | . Q | . V | . | . | . |
| 15.167 | 16.9215 | 42.33 | . Q | . V | . | . | . |
| 15.183 | 16.9801 | 42.56 | . Q | . V | . | . | . |
| 15.200 | 17.0391 | 42.80 | . Q | . V | . | . | . |
| 15.217 | 17.0984 | 43.04 | . Q | . V | . | . | . |
| 15.233 | 17.1580 | 43.27 | . Q | . V | . | . | . |
| 15.250 | 17.2179 | 43.51 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|----|---|------|---|---|---|
| 15.267 | 17.2782 | 43.74 | . | Q | . | V | . | . | . |
| 15.283 | 17.3387 | 43.98 | . | Q | . | V | . | . | . |
| 15.300 | 17.3996 | 44.21 | . | Q | . | V | . | . | . |
| 15.317 | 17.4609 | 44.45 | . | Q | . | V | . | . | . |
| 15.333 | 17.5224 | 44.69 | . | Q | . | V | . | . | . |
| 15.350 | 17.5844 | 45.01 | . | Q | . | V | . | . | . |
| 15.367 | 17.6473 | 45.64 | . | Q | . | V | . | . | . |
| 15.383 | 17.7110 | 46.29 | . | Q | . | V | . | . | . |
| 15.400 | 17.7757 | 46.95 | . | Q | . | V | . | . | . |
| 15.417 | 17.8413 | 47.60 | . | Q | . | V | . | . | . |
| 15.433 | 17.9077 | 48.26 | . | Q | . | V | . | . | . |
| 15.450 | 17.9751 | 48.91 | . | Q | . | V | . | . | . |
| 15.467 | 18.0434 | 49.57 | . | Q | . | V | . | . | . |
| 15.483 | 18.1126 | 50.22 | . | Q | . | V | . | . | . |
| 15.500 | 18.1826 | 50.88 | . | Q | . | V | . | . | . |
| 15.517 | 18.2536 | 51.54 | . | Q | . | V | . | . | . |
| 15.533 | 18.3255 | 52.19 | . | Q | . | V | . | . | . |
| 15.550 | 18.3983 | 52.85 | . | Q | . | V | . | . | . |
| 15.567 | 18.4720 | 53.50 | . | Q | . | V | . | . | . |
| 15.583 | 18.5466 | 54.16 | . | Q | . | V | . | . | . |
| 15.600 | 18.6221 | 54.81 | . | Q | . | V | . | . | . |
| 15.617 | 18.6985 | 55.47 | . | Q | . | V | . | . | . |
| 15.633 | 18.7758 | 56.12 | . | Q | . | V | . | . | . |
| 15.650 | 18.8540 | 56.78 | . | Q | . | V | . | . | . |
| 15.667 | 18.9331 | 57.44 | . | Q | . | V | . | . | . |
| 15.683 | 19.0136 | 58.44 | . | Q | . | V | . | . | . |
| 15.700 | 19.0965 | 60.13 | . | Q | . | V | . | . | . |
| 15.717 | 19.1816 | 61.83 | . | Q | . | V | . | . | . |
| 15.733 | 19.2691 | 63.53 | . | Q | . | V | . | . | . |
| 15.750 | 19.3590 | 65.23 | . | Q | . | V | . | . | . |
| 15.767 | 19.4512 | 66.93 | . | Q | . | V | . | . | . |
| 15.783 | 19.5457 | 68.63 | . | Q | . | V | . | . | . |
| 15.800 | 19.6426 | 70.33 | . | Q | . | V | . | . | . |
| 15.817 | 19.7418 | 72.03 | . | Q | . | V | . | . | . |
| 15.833 | 19.8434 | 73.74 | . | Q | . | V | . | . | . |
| 15.850 | 19.9473 | 75.44 | . | Q | . | V | . | . | . |
| 15.867 | 20.0535 | 77.14 | . | Q | . | V | . | . | . |
| 15.883 | 20.1621 | 78.84 | . | Q | . | V | . | . | . |
| 15.900 | 20.2731 | 80.54 | . | Q | . | V | . | . | . |
| 15.917 | 20.3863 | 82.24 | . | Q | . | V | . | . | . |
| 15.933 | 20.5020 | 83.94 | . | Q | . | V | . | . | . |
| 15.950 | 20.6199 | 85.64 | . | Q | . | V | . | . | . |
| 15.967 | 20.7402 | 87.35 | . | Q | . | V | . | . | . |
| 15.983 | 20.8629 | 89.05 | . | Q | . | V | . | . | . |
| 16.000 | 20.9879 | 90.75 | . | .Q | . | V | . | . | . |
| 16.017 | 21.1223 | 97.56 | . | .Q | . | V | . | . | . |
| 16.033 | 21.2731 | 109.47 | . | . | Q | V | . | . | . |
| 16.050 | 21.4403 | 121.39 | . | . | Q | V | . | . | . |
| 16.067 | 21.6239 | 133.31 | . | . | Q | .V | . | . | . |
| 16.083 | 21.8239 | 145.22 | . | . | Q | .V | . | . | . |
| 16.100 | 22.0404 | 157.14 | . | . | . | Q.V | . | . | . |
| 16.117 | 22.2732 | 169.06 | . | . | . | QV | . | . | . |
| 16.133 | 22.5225 | 180.97 | . | . | . | .VQ | . | . | . |
| 16.150 | 22.7882 | 192.89 | . | . | . | .VQ | . | . | . |
| 16.167 | 23.0703 | 204.81 | . | . | . | .V Q | . | . | . |
| 16.183 | 23.3688 | 216.72 | . | . | . | .V Q | . | . | . |
| 16.200 | 23.6837 | 228.64 | . | . | . | .V Q | . | . | . |
| 16.217 | 24.0151 | 240.56 | . | . | . | .V Q | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|----|---|---|
| 16.233 | 24.3628 | 252.47 | . | . | . | V | Q | . | . |
| 16.250 | 24.7270 | 264.39 | . | . | . | V | .Q | . | . |
| 16.267 | 25.1076 | 276.31 | . | . | . | V | .Q | . | . |
| 16.283 | 25.5046 | 288.22 | . | . | . | V | .Q | . | . |
| 16.300 | 25.9180 | 300.14 | . | . | . | V | .Q | . | . |
| 16.317 | 26.3479 | 312.06 | . | . | . | V | .Q | . | . |
| 16.333 | 26.7994 | 327.79 | . | . | . | V | .Q | . | . |
| 16.350 | 27.2379 | 318.41 | . | . | . | V | .Q | . | . |
| 16.367 | 27.6575 | 304.63 | . | . | . | V | .Q | . | . |
| 16.383 | 28.0582 | 290.84 | . | . | . | V | .Q | . | . |
| 16.400 | 28.4398 | 277.06 | . | . | . | V | .Q | . | . |
| 16.417 | 28.8024 | 263.27 | . | . | . | V | .Q | . | . |
| 16.433 | 29.1461 | 249.49 | . | . | . | V | .Q | . | . |
| 16.450 | 29.4707 | 235.70 | . | . | . | V | .Q | . | . |
| 16.467 | 29.7764 | 221.92 | . | . | . | V | .Q | . | . |
| 16.483 | 30.0631 | 208.13 | . | . | . | V | .Q | . | . |
| 16.500 | 30.3308 | 194.35 | . | . | . | V | .Q | . | . |
| 16.517 | 30.5795 | 180.56 | . | . | . | V | .Q | . | . |
| 16.533 | 30.8092 | 166.78 | . | . | . | V | .Q | . | . |
| 16.550 | 31.0199 | 152.99 | . | . | . | V | .Q | . | . |
| 16.567 | 31.2117 | 139.20 | . | . | . | V | .Q | . | . |
| 16.583 | 31.3844 | 125.42 | . | . | . | V | .Q | . | . |
| 16.600 | 31.5382 | 111.63 | . | . | . | V | .Q | . | . |
| 16.617 | 31.6730 | 97.85 | . | . | . | V | .Q | . | . |
| 16.633 | 31.7888 | 84.06 | . | . | . | V | .Q | . | . |
| 16.650 | 31.8856 | 70.28 | . | . | . | V | .Q | . | . |
| 16.667 | 31.9645 | 57.33 | . | . | . | V | .Q | . | . |
| 16.683 | 32.0386 | 53.79 | . | . | . | V | .Q | . | . |
| 16.700 | 32.1115 | 52.89 | . | . | . | V | .Q | . | . |
| 16.717 | 32.1831 | 52.00 | . | . | . | V | .Q | . | . |
| 16.733 | 32.2535 | 51.10 | . | . | . | V | .Q | . | . |
| 16.750 | 32.3226 | 50.20 | . | . | . | V | .Q | . | . |
| 16.767 | 32.3905 | 49.31 | . | . | . | V | .Q | . | . |
| 16.783 | 32.4572 | 48.41 | . | . | . | V | .Q | . | . |
| 16.800 | 32.5227 | 47.51 | . | . | . | V | .Q | . | . |
| 16.817 | 32.5869 | 46.62 | . | . | . | V | .Q | . | . |
| 16.833 | 32.6498 | 45.72 | . | . | . | V | .Q | . | . |
| 16.850 | 32.7116 | 44.82 | . | . | . | V | .Q | . | . |
| 16.867 | 32.7721 | 43.93 | . | . | . | V | .Q | . | . |
| 16.883 | 32.8314 | 43.03 | . | . | . | V | .Q | . | . |
| 16.900 | 32.8894 | 42.13 | . | . | . | V | .Q | . | . |
| 16.917 | 32.9462 | 41.24 | . | . | . | V | .Q | . | . |
| 16.933 | 33.0018 | 40.34 | . | . | . | V | .Q | . | . |
| 16.950 | 33.0561 | 39.44 | . | . | . | V | .Q | . | . |
| 16.967 | 33.1092 | 38.55 | . | . | . | V | .Q | . | . |
| 16.983 | 33.1610 | 37.65 | . | . | . | V | .Q | . | . |
| 17.000 | 33.2118 | 36.83 | . | . | . | V | .Q | . | . |
| 17.017 | 33.2620 | 36.43 | . | . | . | V | .Q | . | . |
| 17.033 | 33.3117 | 36.09 | . | . | . | V | .Q | . | . |
| 17.050 | 33.3609 | 35.75 | . | . | . | V | .Q | . | . |
| 17.067 | 33.4097 | 35.41 | . | . | . | V | .Q | . | . |
| 17.083 | 33.4580 | 35.07 | . | . | . | V | .Q | . | . |
| 17.100 | 33.5058 | 34.73 | . | . | . | V | .Q | . | . |
| 17.117 | 33.5532 | 34.39 | . | . | . | V | .Q | . | . |
| 17.133 | 33.6001 | 34.05 | . | . | . | V | .Q | . | . |
| 17.150 | 33.6465 | 33.71 | . | . | . | V | .Q | . | . |
| 17.167 | 33.6925 | 33.37 | . | . | . | V | .Q | . | . |
| 17.183 | 33.7380 | 33.03 | . | . | . | V | .Q | . | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 33.7830 | 32.69 | . Q | . | . | . V | . |
| 17.217 | 33.8276 | 32.35 | . Q | . | . | . V | . |
| 17.233 | 33.8717 | 32.01 | . Q | . | . | . V | . |
| 17.250 | 33.9153 | 31.67 | . Q | . | . | . V | . |
| 17.267 | 33.9584 | 31.33 | . Q | . | . | . V | . |
| 17.283 | 34.0011 | 30.99 | . Q | . | . | . V | . |
| 17.300 | 34.0433 | 30.65 | . Q | . | . | . V | . |
| 17.317 | 34.0851 | 30.30 | . Q | . | . | . V | . |
| 17.333 | 34.1264 | 30.00 | . Q | . | . | . V | . |
| 17.350 | 34.1674 | 29.79 | . Q | . | . | . V | . |
| 17.367 | 34.2082 | 29.58 | . Q | . | . | . V | . |
| 17.383 | 34.2486 | 29.38 | . Q | . | . | . V | . |
| 17.400 | 34.2888 | 29.17 | . Q | . | . | . V | . |
| 17.417 | 34.3287 | 28.96 | . Q | . | . | . V | . |
| 17.433 | 34.3683 | 28.76 | . Q | . | . | . V | . |
| 17.450 | 34.4076 | 28.55 | . Q | . | . | . V | . |
| 17.467 | 34.4467 | 28.35 | . Q | . | . | . V | . |
| 17.483 | 34.4855 | 28.14 | . Q | . | . | . V | . |
| 17.500 | 34.5239 | 27.93 | . Q | . | . | . V | . |
| 17.517 | 34.5621 | 27.73 | . Q | . | . | . V | . |
| 17.533 | 34.6000 | 27.52 | . Q | . | . | . V | . |
| 17.550 | 34.6377 | 27.32 | . Q | . | . | . V | . |
| 17.567 | 34.6750 | 27.11 | . Q | . | . | . V | . |
| 17.583 | 34.7121 | 26.90 | . Q | . | . | . V | . |
| 17.600 | 34.7488 | 26.70 | . Q | . | . | . V | . |
| 17.617 | 34.7853 | 26.49 | . Q | . | . | . V | . |
| 17.633 | 34.8215 | 26.29 | . Q | . | . | . V | . |
| 17.650 | 34.8575 | 26.08 | . Q | . | . | . V | . |
| 17.667 | 34.8931 | 25.90 | . Q | . | . | . V | . |
| 17.683 | 34.9286 | 25.76 | . Q | . | . | . V | . |
| 17.700 | 34.9639 | 25.62 | . Q | . | . | . V | . |
| 17.717 | 34.9990 | 25.48 | . Q | . | . | . V | . |
| 17.733 | 35.0339 | 25.33 | . Q | . | . | . V | . |
| 17.750 | 35.0686 | 25.19 | . Q | . | . | . V | . |
| 17.767 | 35.1031 | 25.05 | . Q | . | . | . V | . |
| 17.783 | 35.1374 | 24.91 | . Q | . | . | . V | . |
| 17.800 | 35.1715 | 24.77 | . Q | . | . | . V | . |
| 17.817 | 35.2054 | 24.63 | . Q | . | . | . V | . |
| 17.833 | 35.2392 | 24.48 | . Q | . | . | . V | . |
| 17.850 | 35.2727 | 24.34 | . Q | . | . | . V | . |
| 17.867 | 35.3060 | 24.20 | . Q | . | . | . V | . |
| 17.883 | 35.3392 | 24.06 | . Q | . | . | . V | . |
| 17.900 | 35.3721 | 23.92 | . Q | . | . | . V | . |
| 17.917 | 35.4048 | 23.78 | . Q | . | . | . V | . |
| 17.933 | 35.4374 | 23.63 | . Q | . | . | . V | . |
| 17.950 | 35.4698 | 23.49 | . Q | . | . | . V | . |
| 17.967 | 35.5019 | 23.35 | . Q | . | . | . V | . |
| 17.983 | 35.5339 | 23.21 | . Q | . | . | . V | . |
| 18.000 | 35.5655 | 22.98 | . Q | . | . | . V | . |
| 18.017 | 35.5968 | 22.69 | . Q | . | . | . V | . |
| 18.033 | 35.6277 | 22.40 | . Q | . | . | . V | . |
| 18.050 | 35.6581 | 22.11 | . Q | . | . | . V | . |
| 18.067 | 35.6882 | 21.82 | . Q | . | . | . V | . |
| 18.083 | 35.7178 | 21.53 | . Q | . | . | . V | . |
| 18.100 | 35.7471 | 21.24 | . Q | . | . | . V | . |
| 18.117 | 35.7759 | 20.95 | . Q | . | . | . V | . |
| 18.133 | 35.8044 | 20.66 | . Q | . | . | . V | . |
| 18.150 | 35.8324 | 20.36 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 35.8601 | 20.07 | . Q | . | . | . V | . |
| 18.183 | 35.8873 | 19.78 | . Q | . | . | . V | . |
| 18.200 | 35.9142 | 19.49 | . Q | . | . | . V | . |
| 18.217 | 35.9406 | 19.20 | . Q | . | . | . V | . |
| 18.233 | 35.9667 | 18.91 | . Q | . | . | . V | . |
| 18.250 | 35.9923 | 18.62 | . Q | . | . | . V | . |
| 18.267 | 36.0175 | 18.33 | . Q | . | . | . V | . |
| 18.283 | 36.0424 | 18.04 | . Q | . | . | . V | . |
| 18.300 | 36.0668 | 17.75 | . Q | . | . | . V | . |
| 18.317 | 36.0909 | 17.46 | . Q | . | . | . V | . |
| 18.333 | 36.1147 | 17.30 | . Q | . | . | . V | . |
| 18.350 | 36.1384 | 17.19 | . Q | . | . | . V | . |
| 18.367 | 36.1619 | 17.08 | . Q | . | . | . V | . |
| 18.383 | 36.1853 | 16.96 | . Q | . | . | . V | . |
| 18.400 | 36.2085 | 16.85 | . Q | . | . | . V | . |
| 18.417 | 36.2315 | 16.74 | . Q | . | . | . V | . |
| 18.433 | 36.2544 | 16.63 | . Q | . | . | . V | . |
| 18.450 | 36.2772 | 16.51 | . Q | . | . | . V | . |
| 18.467 | 36.2998 | 16.40 | . Q | . | . | . V | . |
| 18.483 | 36.3222 | 16.29 | .Q | . | . | . V | . |
| 18.500 | 36.3445 | 16.18 | .Q | . | . | . V | . |
| 18.517 | 36.3666 | 16.06 | .Q | . | . | . V | . |
| 18.533 | 36.3886 | 15.95 | .Q | . | . | . V | . |
| 18.550 | 36.4104 | 15.84 | .Q | . | . | . V | . |
| 18.567 | 36.4321 | 15.73 | .Q | . | . | . V | . |
| 18.583 | 36.4536 | 15.62 | .Q | . | . | . V | . |
| 18.600 | 36.4749 | 15.50 | .Q | . | . | . V | . |
| 18.617 | 36.4961 | 15.39 | .Q | . | . | . V | . |
| 18.633 | 36.5172 | 15.28 | .Q | . | . | . V | . |
| 18.650 | 36.5381 | 15.17 | .Q | . | . | . V | . |
| 18.667 | 36.5589 | 15.10 | .Q | . | . | . V | . |
| 18.683 | 36.5796 | 15.04 | .Q | . | . | . V | . |
| 18.700 | 36.6002 | 14.98 | .Q | . | . | . V | . |
| 18.717 | 36.6208 | 14.92 | .Q | . | . | . V | . |
| 18.733 | 36.6413 | 14.86 | .Q | . | . | . V | . |
| 18.750 | 36.6617 | 14.80 | .Q | . | . | . V | . |
| 18.767 | 36.6820 | 14.74 | .Q | . | . | . V | . |
| 18.783 | 36.7022 | 14.68 | .Q | . | . | . V | . |
| 18.800 | 36.7223 | 14.62 | .Q | . | . | . V | . |
| 18.817 | 36.7424 | 14.56 | .Q | . | . | . V | . |
| 18.833 | 36.7623 | 14.50 | .Q | . | . | . V | . |
| 18.850 | 36.7822 | 14.44 | .Q | . | . | . V | . |
| 18.867 | 36.8020 | 14.38 | .Q | . | . | . V | . |
| 18.883 | 36.8218 | 14.32 | .Q | . | . | . V | . |
| 18.900 | 36.8414 | 14.26 | .Q | . | . | . V | . |
| 18.917 | 36.8610 | 14.20 | .Q | . | . | . V | . |
| 18.933 | 36.8804 | 14.14 | .Q | . | . | . V | . |
| 18.950 | 36.8998 | 14.08 | .Q | . | . | . V | . |
| 18.967 | 36.9191 | 14.02 | .Q | . | . | . V | . |
| 18.983 | 36.9383 | 13.96 | .Q | . | . | . V | . |
| 19.000 | 36.9575 | 13.91 | .Q | . | . | . V | . |
| 19.017 | 36.9766 | 13.86 | .Q | . | . | . V | . |
| 19.033 | 36.9956 | 13.81 | .Q | . | . | . V | . |
| 19.050 | 37.0146 | 13.76 | .Q | . | . | . V | . |
| 19.067 | 37.0335 | 13.71 | .Q | . | . | . V | . |
| 19.083 | 37.0523 | 13.66 | .Q | . | . | . V | . |
| 19.100 | 37.0710 | 13.61 | .Q | . | . | . V | . |
| 19.117 | 37.0897 | 13.56 | .Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 37.1083 | 13.51 | .Q | . | . | . | V | . |
| 19.150 | 37.1269 | 13.46 | .Q | . | . | . | V | . |
| 19.167 | 37.1453 | 13.41 | .Q | . | . | . | V | . |
| 19.183 | 37.1637 | 13.36 | .Q | . | . | . | V | . |
| 19.200 | 37.1821 | 13.32 | .Q | . | . | . | V | . |
| 19.217 | 37.2004 | 13.27 | .Q | . | . | . | V | . |
| 19.233 | 37.2186 | 13.22 | .Q | . | . | . | V | . |
| 19.250 | 37.2367 | 13.17 | .Q | . | . | . | V | . |
| 19.267 | 37.2548 | 13.12 | .Q | . | . | . | V | . |
| 19.283 | 37.2728 | 13.07 | .Q | . | . | . | V | . |
| 19.300 | 37.2907 | 13.02 | .Q | . | . | . | V | . |
| 19.317 | 37.3086 | 12.97 | .Q | . | . | . | V | . |
| 19.333 | 37.3264 | 12.93 | .Q | . | . | . | V | . |
| 19.350 | 37.3441 | 12.89 | .Q | . | . | . | V | . |
| 19.367 | 37.3618 | 12.85 | .Q | . | . | . | V | . |
| 19.383 | 37.3795 | 12.81 | .Q | . | . | . | V | . |
| 19.400 | 37.3970 | 12.77 | .Q | . | . | . | V | . |
| 19.417 | 37.4146 | 12.72 | .Q | . | . | . | V | . |
| 19.433 | 37.4320 | 12.68 | .Q | . | . | . | V | . |
| 19.450 | 37.4495 | 12.64 | .Q | . | . | . | V | . |
| 19.467 | 37.4668 | 12.60 | .Q | . | . | . | V | . |
| 19.483 | 37.4841 | 12.56 | .Q | . | . | . | V | . |
| 19.500 | 37.5014 | 12.52 | .Q | . | . | . | V | . |
| 19.517 | 37.5185 | 12.48 | .Q | . | . | . | V | . |
| 19.533 | 37.5357 | 12.44 | .Q | . | . | . | V | . |
| 19.550 | 37.5527 | 12.39 | .Q | . | . | . | V | . |
| 19.567 | 37.5698 | 12.35 | .Q | . | . | . | V | . |
| 19.583 | 37.5867 | 12.31 | .Q | . | . | . | V | . |
| 19.600 | 37.6036 | 12.27 | .Q | . | . | . | V | . |
| 19.617 | 37.6205 | 12.23 | .Q | . | . | . | V | . |
| 19.633 | 37.6372 | 12.19 | .Q | . | . | . | V | . |
| 19.650 | 37.6540 | 12.15 | .Q | . | . | . | V | . |
| 19.667 | 37.6707 | 12.11 | .Q | . | . | . | V | . |
| 19.683 | 37.6873 | 12.08 | .Q | . | . | . | V | . |
| 19.700 | 37.7039 | 12.04 | .Q | . | . | . | V | . |
| 19.717 | 37.7204 | 12.01 | .Q | . | . | . | V | . |
| 19.733 | 37.7369 | 11.97 | .Q | . | . | . | V | . |
| 19.750 | 37.7534 | 11.94 | .Q | . | . | . | V | . |
| 19.767 | 37.7698 | 11.90 | .Q | . | . | . | V | . |
| 19.783 | 37.7861 | 11.87 | .Q | . | . | . | V | . |
| 19.800 | 37.8024 | 11.83 | .Q | . | . | . | V | . |
| 19.817 | 37.8187 | 11.80 | .Q | . | . | . | V | . |
| 19.833 | 37.8349 | 11.76 | .Q | . | . | . | V | . |
| 19.850 | 37.8510 | 11.73 | .Q | . | . | . | V | . |
| 19.867 | 37.8671 | 11.69 | .Q | . | . | . | V | . |
| 19.883 | 37.8832 | 11.66 | .Q | . | . | . | V | . |
| 19.900 | 37.8992 | 11.62 | .Q | . | . | . | V | . |
| 19.917 | 37.9151 | 11.59 | .Q | . | . | . | V | . |
| 19.933 | 37.9311 | 11.55 | .Q | . | . | . | V | . |
| 19.950 | 37.9469 | 11.52 | .Q | . | . | . | V | . |
| 19.967 | 37.9627 | 11.48 | .Q | . | . | . | V | . |
| 19.983 | 37.9785 | 11.45 | .Q | . | . | . | V | . |
| 20.000 | 37.9942 | 11.42 | .Q | . | . | . | V | . |
| 20.017 | 38.0099 | 11.39 | .Q | . | . | . | V | . |
| 20.033 | 38.0256 | 11.36 | .Q | . | . | . | V | . |
| 20.050 | 38.0412 | 11.33 | .Q | . | . | . | V | . |
| 20.067 | 38.0567 | 11.30 | .Q | . | . | . | V | . |
| 20.083 | 38.0722 | 11.27 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 20.100 | 38.0877 | 11.24 | .Q | . | . | . | V | . |
| 20.117 | 38.1032 | 11.21 | .Q | . | . | . | V | . |
| 20.133 | 38.1185 | 11.18 | .Q | . | . | . | V | . |
| 20.150 | 38.1339 | 11.14 | .Q | . | . | . | V | . |
| 20.167 | 38.1492 | 11.11 | .Q | . | . | . | V | . |
| 20.183 | 38.1645 | 11.08 | .Q | . | . | . | V | . |
| 20.200 | 38.1797 | 11.05 | .Q | . | . | . | V | . |
| 20.217 | 38.1949 | 11.02 | .Q | . | . | . | V | . |
| 20.233 | 38.2100 | 10.99 | .Q | . | . | . | V | . |
| 20.250 | 38.2251 | 10.96 | .Q | . | . | . | V | . |
| 20.267 | 38.2402 | 10.93 | .Q | . | . | . | V | . |
| 20.283 | 38.2552 | 10.90 | .Q | . | . | . | V | . |
| 20.300 | 38.2702 | 10.87 | .Q | . | . | . | V | . |
| 20.317 | 38.2851 | 10.84 | .Q | . | . | . | V | . |
| 20.333 | 38.3000 | 10.82 | .Q | . | . | . | V | . |
| 20.350 | 38.3149 | 10.79 | .Q | . | . | . | V | . |
| 20.367 | 38.3297 | 10.76 | .Q | . | . | . | V | . |
| 20.383 | 38.3445 | 10.74 | .Q | . | . | . | V | . |
| 20.400 | 38.3592 | 10.71 | .Q | . | . | . | V | . |
| 20.417 | 38.3740 | 10.68 | .Q | . | . | . | V | . |
| 20.433 | 38.3886 | 10.66 | .Q | . | . | . | V | . |
| 20.450 | 38.4033 | 10.63 | .Q | . | . | . | V | . |
| 20.467 | 38.4179 | 10.61 | .Q | . | . | . | V | . |
| 20.483 | 38.4325 | 10.58 | .Q | . | . | . | V | . |
| 20.500 | 38.4470 | 10.55 | .Q | . | . | . | V | . |
| 20.517 | 38.4615 | 10.53 | .Q | . | . | . | V | . |
| 20.533 | 38.4760 | 10.50 | .Q | . | . | . | V | . |
| 20.550 | 38.4904 | 10.47 | .Q | . | . | . | V | . |
| 20.567 | 38.5048 | 10.45 | .Q | . | . | . | V | . |
| 20.583 | 38.5191 | 10.42 | .Q | . | . | . | V | . |
| 20.600 | 38.5334 | 10.39 | .Q | . | . | . | V | . |
| 20.617 | 38.5477 | 10.37 | .Q | . | . | . | V | . |
| 20.633 | 38.5620 | 10.34 | .Q | . | . | . | V | . |
| 20.650 | 38.5762 | 10.32 | .Q | . | . | . | V | . |
| 20.667 | 38.5903 | 10.29 | .Q | . | . | . | V | . |
| 20.683 | 38.6045 | 10.27 | .Q | . | . | . | V | . |
| 20.700 | 38.6186 | 10.25 | .Q | . | . | . | V | . |
| 20.717 | 38.6327 | 10.22 | .Q | . | . | . | V | . |
| 20.733 | 38.6467 | 10.20 | .Q | . | . | . | V | . |
| 20.750 | 38.6607 | 10.18 | .Q | . | . | . | V | . |
| 20.767 | 38.6747 | 10.15 | .Q | . | . | . | V | . |
| 20.783 | 38.6887 | 10.13 | .Q | . | . | . | V | . |
| 20.800 | 38.7026 | 10.10 | .Q | . | . | . | V | . |
| 20.817 | 38.7165 | 10.08 | .Q | . | . | . | V | . |
| 20.833 | 38.7303 | 10.06 | .Q | . | . | . | V | . |
| 20.850 | 38.7442 | 10.03 | .Q | . | . | . | V | . |
| 20.867 | 38.7580 | 10.01 | .Q | . | . | . | V | . |
| 20.883 | 38.7717 | 9.99 | .Q | . | . | . | V | . |
| 20.900 | 38.7854 | 9.96 | .Q | . | . | . | V | . |
| 20.917 | 38.7991 | 9.94 | .Q | . | . | . | V | . |
| 20.933 | 38.8128 | 9.92 | .Q | . | . | . | V | . |
| 20.950 | 38.8264 | 9.89 | .Q | . | . | . | V | . |
| 20.967 | 38.8400 | 9.87 | .Q | . | . | . | V | . |
| 20.983 | 38.8536 | 9.85 | .Q | . | . | . | V | . |
| 21.000 | 38.8671 | 9.83 | .Q | . | . | . | V | . |
| 21.017 | 38.8806 | 9.81 | .Q | . | . | . | V | . |
| 21.033 | 38.8941 | 9.79 | .Q | . | . | . | V | . |
| 21.050 | 38.9076 | 9.77 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 21.067 | 38.9210 | 9.75 | .Q | . | . | . | V | . |
| 21.083 | 38.9344 | 9.72 | .Q | . | . | . | V | . |
| 21.100 | 38.9477 | 9.70 | .Q | . | . | . | V | . |
| 21.117 | 38.9611 | 9.68 | .Q | . | . | . | V | . |
| 21.133 | 38.9744 | 9.66 | .Q | . | . | . | V | . |
| 21.150 | 38.9877 | 9.64 | .Q | . | . | . | V | . |
| 21.167 | 39.0009 | 9.62 | .Q | . | . | . | V | . |
| 21.183 | 39.0141 | 9.60 | .Q | . | . | . | V | . |
| 21.200 | 39.0273 | 9.58 | .Q | . | . | . | V | . |
| 21.217 | 39.0405 | 9.56 | .Q | . | . | . | V | . |
| 21.233 | 39.0536 | 9.54 | .Q | . | . | . | V | . |
| 21.250 | 39.0667 | 9.51 | .Q | . | . | . | V | . |
| 21.267 | 39.0798 | 9.49 | .Q | . | . | . | V | . |
| 21.283 | 39.0929 | 9.47 | .Q | . | . | . | V | . |
| 21.300 | 39.1059 | 9.45 | .Q | . | . | . | V | . |
| 21.317 | 39.1189 | 9.43 | .Q | . | . | . | V | . |
| 21.333 | 39.1318 | 9.42 | .Q | . | . | . | V | . |
| 21.350 | 39.1448 | 9.40 | .Q | . | . | . | V | . |
| 21.367 | 39.1577 | 9.38 | .Q | . | . | . | V | . |
| 21.383 | 39.1706 | 9.36 | .Q | . | . | . | V | . |
| 21.400 | 39.1835 | 9.34 | .Q | . | . | . | V | . |
| 21.417 | 39.1963 | 9.32 | .Q | . | . | . | V | . |
| 21.433 | 39.2091 | 9.30 | .Q | . | . | . | V | . |
| 21.450 | 39.2219 | 9.28 | .Q | . | . | . | V | . |
| 21.467 | 39.2347 | 9.26 | .Q | . | . | . | V | . |
| 21.483 | 39.2474 | 9.25 | .Q | . | . | . | V | . |
| 21.500 | 39.2601 | 9.23 | .Q | . | . | . | V | . |
| 21.517 | 39.2728 | 9.21 | .Q | . | . | . | V | . |
| 21.533 | 39.2854 | 9.19 | .Q | . | . | . | V | . |
| 21.550 | 39.2981 | 9.17 | .Q | . | . | . | V | . |
| 21.567 | 39.3107 | 9.15 | .Q | . | . | . | V | . |
| 21.583 | 39.3233 | 9.13 | .Q | . | . | . | V | . |
| 21.600 | 39.3358 | 9.11 | .Q | . | . | . | V | . |
| 21.617 | 39.3483 | 9.10 | .Q | . | . | . | V | . |
| 21.633 | 39.3609 | 9.08 | .Q | . | . | . | V | . |
| 21.650 | 39.3733 | 9.06 | .Q | . | . | . | V | . |
| 21.667 | 39.3858 | 9.04 | .Q | . | . | . | V | . |
| 21.683 | 39.3982 | 9.03 | .Q | . | . | . | V | . |
| 21.700 | 39.4106 | 9.01 | .Q | . | . | . | V | . |
| 21.717 | 39.4230 | 8.99 | .Q | . | . | . | V | . |
| 21.733 | 39.4354 | 8.98 | .Q | . | . | . | V | . |
| 21.750 | 39.4477 | 8.96 | .Q | . | . | . | V | . |
| 21.767 | 39.4600 | 8.94 | .Q | . | . | . | V | . |
| 21.783 | 39.4723 | 8.93 | .Q | . | . | . | V | . |
| 21.800 | 39.4846 | 8.91 | .Q | . | . | . | V | . |
| 21.817 | 39.4969 | 8.89 | .Q | . | . | . | V | . |
| 21.833 | 39.5091 | 8.87 | .Q | . | . | . | V | . |
| 21.850 | 39.5213 | 8.86 | .Q | . | . | . | V | . |
| 21.867 | 39.5335 | 8.84 | .Q | . | . | . | V | . |
| 21.883 | 39.5456 | 8.82 | .Q | . | . | . | V | . |
| 21.900 | 39.5577 | 8.81 | .Q | . | . | . | V | . |
| 21.917 | 39.5698 | 8.79 | .Q | . | . | . | V | . |
| 21.933 | 39.5819 | 8.77 | .Q | . | . | . | V | . |
| 21.950 | 39.5940 | 8.76 | .Q | . | . | . | V | . |
| 21.967 | 39.6060 | 8.74 | .Q | . | . | . | V | . |
| 21.983 | 39.6180 | 8.72 | .Q | . | . | . | V | . |
| 22.000 | 39.6300 | 8.71 | .Q | . | . | . | V | . |
| 22.017 | 39.6420 | 8.69 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|----|---|---|---|---|---|
| 22.033 | 39.6540 | 8.68 | .Q | . | . | . | V | . |
| 22.050 | 39.6659 | 8.66 | .Q | . | . | . | V | . |
| 22.067 | 39.6778 | 8.65 | .Q | . | . | . | V | . |
| 22.083 | 39.6897 | 8.63 | .Q | . | . | . | V | . |
| 22.100 | 39.7016 | 8.62 | .Q | . | . | . | V | . |
| 22.117 | 39.7134 | 8.60 | .Q | . | . | . | V | . |
| 22.133 | 39.7252 | 8.59 | .Q | . | . | . | V | . |
| 22.150 | 39.7370 | 8.57 | .Q | . | . | . | V | . |
| 22.167 | 39.7488 | 8.55 | .Q | . | . | . | V | . |
| 22.183 | 39.7606 | 8.54 | .Q | . | . | . | V | . |
| 22.200 | 39.7723 | 8.52 | .Q | . | . | . | V | . |
| 22.217 | 39.7840 | 8.51 | .Q | . | . | . | V | . |
| 22.233 | 39.7957 | 8.49 | .Q | . | . | . | V | . |
| 22.250 | 39.8074 | 8.48 | .Q | . | . | . | V | . |
| 22.267 | 39.8191 | 8.46 | .Q | . | . | . | V | . |
| 22.283 | 39.8307 | 8.45 | .Q | . | . | . | V | . |
| 22.300 | 39.8423 | 8.43 | .Q | . | . | . | V | . |
| 22.317 | 39.8539 | 8.42 | .Q | . | . | . | V | . |
| 22.333 | 39.8655 | 8.40 | .Q | . | . | . | V | . |
| 22.350 | 39.8770 | 8.39 | .Q | . | . | . | V | . |
| 22.367 | 39.8886 | 8.38 | .Q | . | . | . | V | . |
| 22.383 | 39.9001 | 8.36 | .Q | . | . | . | V | . |
| 22.400 | 39.9116 | 8.35 | .Q | . | . | . | V | . |
| 22.417 | 39.9231 | 8.33 | .Q | . | . | . | V | . |
| 22.433 | 39.9345 | 8.32 | .Q | . | . | . | V | . |
| 22.450 | 39.9460 | 8.30 | .Q | . | . | . | V | . |
| 22.467 | 39.9574 | 8.29 | .Q | . | . | . | V | . |
| 22.483 | 39.9688 | 8.28 | .Q | . | . | . | V | . |
| 22.500 | 39.9802 | 8.26 | .Q | . | . | . | V | . |
| 22.517 | 39.9915 | 8.25 | .Q | . | . | . | V | . |
| 22.533 | 40.0029 | 8.23 | .Q | . | . | . | V | . |
| 22.550 | 40.0142 | 8.22 | .Q | . | . | . | V | . |
| 22.567 | 40.0255 | 8.21 | .Q | . | . | . | V | . |
| 22.583 | 40.0368 | 8.19 | Q | . | . | . | V | . |
| 22.600 | 40.0480 | 8.18 | Q | . | . | . | V | . |
| 22.617 | 40.0593 | 8.16 | Q | . | . | . | V | . |
| 22.633 | 40.0705 | 8.15 | Q | . | . | . | V | . |
| 22.650 | 40.0817 | 8.14 | Q | . | . | . | V | . |
| 22.667 | 40.0929 | 8.12 | Q | . | . | . | V | . |
| 22.683 | 40.1041 | 8.11 | Q | . | . | . | V | . |
| 22.700 | 40.1152 | 8.10 | Q | . | . | . | V | . |
| 22.717 | 40.1264 | 8.09 | Q | . | . | . | V | . |
| 22.733 | 40.1375 | 8.07 | Q | . | . | . | V | . |
| 22.750 | 40.1486 | 8.06 | Q | . | . | . | V | . |
| 22.767 | 40.1597 | 8.05 | Q | . | . | . | V | . |
| 22.783 | 40.1708 | 8.03 | Q | . | . | . | V | . |
| 22.800 | 40.1818 | 8.02 | Q | . | . | . | V | . |
| 22.817 | 40.1928 | 8.01 | Q | . | . | . | V | . |
| 22.833 | 40.2038 | 7.99 | Q | . | . | . | V | . |
| 22.850 | 40.2148 | 7.98 | Q | . | . | . | V | . |
| 22.867 | 40.2258 | 7.97 | Q | . | . | . | V | . |
| 22.883 | 40.2368 | 7.96 | Q | . | . | . | V | . |
| 22.900 | 40.2477 | 7.94 | Q | . | . | . | V | . |
| 22.917 | 40.2586 | 7.93 | Q | . | . | . | V | . |
| 22.933 | 40.2695 | 7.92 | Q | . | . | . | V | . |
| 22.950 | 40.2804 | 7.90 | Q | . | . | . | V | . |
| 22.967 | 40.2913 | 7.89 | Q | . | . | . | V | . |
| 22.983 | 40.3022 | 7.88 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.000 | 40.3130 | 7.87 | Q | . | . | . | V. |
| 23.017 | 40.3238 | 7.86 | Q | . | . | . | V. |
| 23.033 | 40.3346 | 7.84 | Q | . | . | . | V. |
| 23.050 | 40.3454 | 7.83 | Q | . | . | . | V. |
| 23.067 | 40.3562 | 7.82 | Q | . | . | . | V. |
| 23.083 | 40.3669 | 7.81 | Q | . | . | . | V. |
| 23.100 | 40.3777 | 7.80 | Q | . | . | . | V. |
| 23.117 | 40.3884 | 7.78 | Q | . | . | . | V. |
| 23.133 | 40.3991 | 7.77 | Q | . | . | . | V. |
| 23.150 | 40.4098 | 7.76 | Q | . | . | . | V. |
| 23.167 | 40.4205 | 7.75 | Q | . | . | . | V. |
| 23.183 | 40.4311 | 7.74 | Q | . | . | . | V. |
| 23.200 | 40.4418 | 7.73 | Q | . | . | . | V. |
| 23.217 | 40.4524 | 7.71 | Q | . | . | . | V. |
| 23.233 | 40.4630 | 7.70 | Q | . | . | . | V. |
| 23.250 | 40.4736 | 7.69 | Q | . | . | . | V. |
| 23.267 | 40.4842 | 7.68 | Q | . | . | . | V. |
| 23.283 | 40.4947 | 7.67 | Q | . | . | . | V. |
| 23.300 | 40.5053 | 7.65 | Q | . | . | . | V. |
| 23.317 | 40.5158 | 7.64 | Q | . | . | . | V. |
| 23.333 | 40.5263 | 7.63 | Q | . | . | . | V. |
| 23.350 | 40.5368 | 7.62 | Q | . | . | . | V. |
| 23.367 | 40.5473 | 7.61 | Q | . | . | . | V. |
| 23.383 | 40.5578 | 7.60 | Q | . | . | . | V. |
| 23.400 | 40.5682 | 7.59 | Q | . | . | . | V. |
| 23.417 | 40.5786 | 7.58 | Q | . | . | . | V. |
| 23.433 | 40.5891 | 7.57 | Q | . | . | . | V. |
| 23.450 | 40.5995 | 7.56 | Q | . | . | . | V. |
| 23.467 | 40.6099 | 7.54 | Q | . | . | . | V. |
| 23.483 | 40.6202 | 7.53 | Q | . | . | . | V. |
| 23.500 | 40.6306 | 7.52 | Q | . | . | . | V. |
| 23.517 | 40.6409 | 7.51 | Q | . | . | . | V. |
| 23.533 | 40.6513 | 7.50 | Q | . | . | . | V. |
| 23.550 | 40.6616 | 7.49 | Q | . | . | . | V. |
| 23.567 | 40.6719 | 7.48 | Q | . | . | . | V. |
| 23.583 | 40.6822 | 7.47 | Q | . | . | . | V. |
| 23.600 | 40.6924 | 7.46 | Q | . | . | . | V. |
| 23.617 | 40.7027 | 7.44 | Q | . | . | . | V. |
| 23.633 | 40.7129 | 7.43 | Q | . | . | . | V. |
| 23.650 | 40.7232 | 7.42 | Q | . | . | . | V. |
| 23.667 | 40.7334 | 7.41 | Q | . | . | . | V. |
| 23.683 | 40.7436 | 7.40 | Q | . | . | . | V. |
| 23.700 | 40.7538 | 7.39 | Q | . | . | . | V. |
| 23.717 | 40.7639 | 7.38 | Q | . | . | . | V. |
| 23.733 | 40.7741 | 7.37 | Q | . | . | . | V. |
| 23.750 | 40.7842 | 7.36 | Q | . | . | . | V. |
| 23.767 | 40.7944 | 7.35 | Q | . | . | . | V. |
| 23.783 | 40.8045 | 7.34 | Q | . | . | . | V. |
| 23.800 | 40.8146 | 7.33 | Q | . | . | . | V. |
| 23.817 | 40.8246 | 7.32 | Q | . | . | . | V. |
| 23.833 | 40.8347 | 7.31 | Q | . | . | . | V. |
| 23.850 | 40.8448 | 7.30 | Q | . | . | . | V. |
| 23.867 | 40.8548 | 7.29 | Q | . | . | . | V. |
| 23.883 | 40.8648 | 7.28 | Q | . | . | . | V. |
| 23.900 | 40.8749 | 7.27 | Q | . | . | . | V. |
| 23.917 | 40.8849 | 7.26 | Q | . | . | . | V. |
| 23.933 | 40.8948 | 7.25 | Q | . | . | . | V. |
| 23.950 | 40.9048 | 7.24 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.967 | 40.9148 | 7.23 | Q | . | . | . | V. |
| 23.983 | 40.9247 | 7.22 | Q | . | . | . | V. |
| 24.000 | 40.9347 | 7.21 | Q | . | . | . | V. |
| 24.017 | 40.9446 | 7.20 | Q | . | . | . | V. |
| 24.033 | 40.9545 | 7.19 | Q | . | . | . | V. |
| 24.050 | 40.9644 | 7.19 | Q | . | . | . | V. |
| 24.067 | 40.9743 | 7.18 | Q | . | . | . | V. |
| 24.083 | 40.9841 | 7.17 | Q | . | . | . | V. |
| 24.100 | 40.9940 | 7.16 | Q | . | . | . | V. |
| 24.117 | 41.0039 | 7.15 | Q | . | . | . | V. |
| 24.133 | 41.0137 | 7.14 | Q | . | . | . | V. |
| 24.150 | 41.0235 | 7.13 | Q | . | . | . | V. |
| 24.167 | 41.0333 | 7.12 | Q | . | . | . | V. |
| 24.183 | 41.0431 | 7.11 | Q | . | . | . | V. |
| 24.200 | 41.0529 | 7.10 | Q | . | . | . | V. |
| 24.217 | 41.0627 | 7.10 | Q | . | . | . | V. |
| 24.233 | 41.0724 | 7.09 | Q | . | . | . | V. |
| 24.250 | 41.0822 | 7.08 | Q | . | . | . | V. |
| 24.267 | 41.0919 | 7.02 | Q | . | . | . | V. |
| 24.283 | 41.1011 | 6.71 | Q | . | . | . | V. |
| 24.300 | 41.1099 | 6.35 | Q | . | . | . | V. |
| 24.317 | 41.1181 | 6.00 | Q | . | . | . | V. |
| 24.333 | 41.1259 | 5.64 | Q | . | . | . | V. |
| 24.350 | 41.1332 | 5.28 | Q | . | . | . | V. |
| 24.367 | 41.1400 | 4.93 | Q | . | . | . | V. |
| 24.383 | 41.1463 | 4.57 | Q | . | . | . | V. |
| 24.400 | 41.1521 | 4.22 | Q | . | . | . | V. |
| 24.417 | 41.1574 | 3.86 | Q | . | . | . | V. |
| 24.433 | 41.1622 | 3.50 | Q | . | . | . | V. |
| 24.450 | 41.1665 | 3.15 | Q | . | . | . | V. |
| 24.467 | 41.1704 | 2.79 | Q | . | . | . | V. |
| 24.483 | 41.1737 | 2.43 | Q | . | . | . | V. |
| 24.500 | 41.1766 | 2.08 | Q | . | . | . | V. |
| 24.517 | 41.1790 | 1.72 | Q | . | . | . | V. |
| 24.533 | 41.1808 | 1.36 | Q | . | . | . | V. |
| 24.550 | 41.1822 | 1.01 | Q | . | . | . | V. |
| 24.567 | 41.1831 | 0.65 | Q | . | . | . | V. |
| 24.583 | 41.1835 | 0.29 | 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% | 1475.0 |
| 10% | 810.0 |
| 20% | 270.0 |
| 30% | 175.0 |
| 40% | 155.0 |
| 50% | 130.0 |
| 60% | 100.0 |
| 70% | 75.0 |
| 80% | 55.0 |
| 90% | 25.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED B *
* SMALL AREA HYDROGRAPH - SINGLE AREA MODEL *
* 50-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3B50EVS.DAT
TIME/DATE OF STUDY: 15:41 07/14/2022

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 210.00 TO NODE 231.00 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) = 213.70
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.128
LOW LOSS FRACTION = 0.337
TIME OF CONCENTRATION (MIN.) = 17.08
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 15
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.37
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.80
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.06
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.78
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.47
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 47.40

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 25.97

=====

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. | 99.9 | 199.8 | 299.6 | 399.5 |
|------------|-------------|---------|----|------|-------|-------|-------|
| 0.017 | 0.0000 | 0.00 | Q | . | . | . | . |
| 0.033 | 0.0000 | 0.00 | Q | . | . | . | . |
| 0.050 | 0.0000 | 0.00 | Q | . | . | . | . |
| 0.067 | 0.0001 | 0.05 | Q | . | . | . | . |
| 0.083 | 0.0007 | 0.47 | Q | . | . | . | . |
| 0.100 | 0.0020 | 0.94 | Q | . | . | . | . |
| 0.117 | 0.0040 | 1.42 | Q | . | . | . | . |
| 0.133 | 0.0066 | 1.89 | Q | . | . | . | . |
| 0.150 | 0.0098 | 2.37 | Q | . | . | . | . |
| 0.167 | 0.0138 | 2.85 | Q | . | . | . | . |
| 0.183 | 0.0183 | 3.32 | Q | . | . | . | . |
| 0.200 | 0.0236 | 3.80 | Q | . | . | . | . |
| 0.217 | 0.0295 | 4.27 | Q | . | . | . | . |
| 0.233 | 0.0360 | 4.75 | Q | . | . | . | . |
| 0.250 | 0.0432 | 5.23 | Q | . | . | . | . |
| 0.267 | 0.0510 | 5.70 | Q | . | . | . | . |
| 0.283 | 0.0596 | 6.18 | Q | . | . | . | . |
| 0.300 | 0.0687 | 6.65 | Q | . | . | . | . |
| 0.317 | 0.0785 | 7.13 | Q | . | . | . | . |
| 0.333 | 0.0890 | 7.60 | Q | . | . | . | . |
| 0.350 | 0.1001 | 8.04 | Q | . | . | . | . |
| 0.367 | 0.1113 | 8.13 | Q | . | . | . | . |
| 0.383 | 0.1225 | 8.14 | Q | . | . | . | . |
| 0.400 | 0.1337 | 8.14 | Q | . | . | . | . |
| 0.417 | 0.1449 | 8.14 | Q | . | . | . | . |
| 0.433 | 0.1561 | 8.15 | Q | . | . | . | . |
| 0.450 | 0.1674 | 8.15 | Q | . | . | . | . |
| 0.467 | 0.1786 | 8.15 | Q | . | . | . | . |
| 0.483 | 0.1898 | 8.16 | Q | . | . | . | . |
| 0.500 | 0.2011 | 8.16 | Q | . | . | . | . |
| 0.517 | 0.2123 | 8.16 | Q | . | . | . | . |
| 0.533 | 0.2236 | 8.17 | Q | . | . | . | . |
| 0.550 | 0.2348 | 8.17 | Q | . | . | . | . |
| 0.567 | 0.2461 | 8.17 | Q | . | . | . | . |
| 0.583 | 0.2574 | 8.18 | Q | . | . | . | . |
| 0.600 | 0.2686 | 8.18 | Q | . | . | . | . |
| 0.617 | 0.2799 | 8.19 | Q | . | . | . | . |
| 0.633 | 0.2912 | 8.19 | Q | . | . | . | . |
| 0.650 | 0.3025 | 8.20 | Q | . | . | . | . |
| 0.667 | 0.3138 | 8.20 | Q | . | . | . | . |
| 0.683 | 0.3251 | 8.21 | Q | . | . | . | . |
| 0.700 | 0.3364 | 8.22 | Q | . | . | . | . |
| 0.717 | 0.3477 | 8.23 | Q | . | . | . | . |
| 0.733 | 0.3591 | 8.23 | Q | . | . | . | . |
| 0.750 | 0.3704 | 8.24 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|---|---|---|---|---|
| 0.767 | 0.3818 | 8.25 | Q | . | . | . | . |
| 0.783 | 0.3932 | 8.26 | Q | . | . | . | . |
| 0.800 | 0.4045 | 8.26 | Q | . | . | . | . |
| 0.817 | 0.4159 | 8.27 | Q | . | . | . | . |
| 0.833 | 0.4273 | 8.28 | Q | . | . | . | . |
| 0.850 | 0.4387 | 8.29 | Q | . | . | . | . |
| 0.867 | 0.4502 | 8.29 | Q | . | . | . | . |
| 0.883 | 0.4616 | 8.30 | Q | . | . | . | . |
| 0.900 | 0.4730 | 8.31 | Q | . | . | . | . |
| 0.917 | 0.4845 | 8.32 | Q | . | . | . | . |
| 0.933 | 0.4960 | 8.32 | Q | . | . | . | . |
| 0.950 | 0.5074 | 8.32 | Q | . | . | . | . |
| 0.967 | 0.5189 | 8.33 | Q | . | . | . | . |
| 0.983 | 0.5304 | 8.33 | Q | . | . | . | . |
| 1.000 | 0.5419 | 8.34 | Q | . | . | . | . |
| 1.017 | 0.5533 | 8.34 | Q | . | . | . | . |
| 1.033 | 0.5648 | 8.34 | Q | . | . | . | . |
| 1.050 | 0.5763 | 8.35 | Q | . | . | . | . |
| 1.067 | 0.5878 | 8.35 | Q | . | . | . | . |
| 1.083 | 0.5994 | 8.36 | Q | . | . | . | . |
| 1.100 | 0.6109 | 8.36 | Q | . | . | . | . |
| 1.117 | 0.6224 | 8.36 | Q | . | . | . | . |
| 1.133 | 0.6339 | 8.37 | Q | . | . | . | . |
| 1.150 | 0.6454 | 8.37 | Q | . | . | . | . |
| 1.167 | 0.6570 | 8.38 | Q | . | . | . | . |
| 1.183 | 0.6685 | 8.38 | Q | . | . | . | . |
| 1.200 | 0.6801 | 8.38 | Q | . | . | . | . |
| 1.217 | 0.6916 | 8.39 | Q | . | . | . | . |
| 1.233 | 0.7032 | 8.40 | Q | . | . | . | . |
| 1.250 | 0.7148 | 8.41 | Q | . | . | . | . |
| 1.267 | 0.7264 | 8.41 | Q | . | . | . | . |
| 1.283 | 0.7380 | 8.42 | Q | . | . | . | . |
| 1.300 | 0.7496 | 8.43 | Q | . | . | . | . |
| 1.317 | 0.7612 | 8.44 | Q | . | . | . | . |
| 1.333 | 0.7728 | 8.45 | Q | . | . | . | . |
| 1.350 | 0.7845 | 8.45 | Q | . | . | . | . |
| 1.367 | 0.7961 | 8.46 | Q | . | . | . | . |
| 1.383 | 0.8078 | 8.47 | Q | . | . | . | . |
| 1.400 | 0.8195 | 8.48 | Q | . | . | . | . |
| 1.417 | 0.8311 | 8.48 | Q | . | . | . | . |
| 1.433 | 0.8428 | 8.49 | Q | . | . | . | . |
| 1.450 | 0.8546 | 8.50 | Q | . | . | . | . |
| 1.467 | 0.8663 | 8.51 | Q | . | . | . | . |
| 1.483 | 0.8780 | 8.52 | Q | . | . | . | . |
| 1.500 | 0.8897 | 8.52 | Q | . | . | . | . |
| 1.517 | 0.9015 | 8.53 | Q | . | . | . | . |
| 1.533 | 0.9132 | 8.53 | Q | . | . | . | . |
| 1.550 | 0.9250 | 8.53 | Q | . | . | . | . |
| 1.567 | 0.9368 | 8.54 | Q | . | . | . | . |
| 1.583 | 0.9485 | 8.54 | Q | . | . | . | . |
| 1.600 | 0.9603 | 8.55 | Q | . | . | . | . |
| 1.617 | 0.9721 | 8.55 | Q | . | . | . | . |
| 1.633 | 0.9839 | 8.56 | Q | . | . | . | . |
| 1.650 | 0.9956 | 8.56 | Q | . | . | . | . |
| 1.667 | 1.0074 | 8.56 | Q | . | . | . | . |
| 1.683 | 1.0192 | 8.57 | Q | . | . | . | . |
| 1.700 | 1.0310 | 8.57 | Q | . | . | . | . |
| 1.717 | 1.0429 | 8.58 | Q | . | . | . | . |

| | | | | | | | |
|-------|--------|------|----|---|---|---|---|
| 1.733 | 1.0547 | 8.58 | Q | . | . | . | . |
| 1.750 | 1.0665 | 8.58 | Q | . | . | . | . |
| 1.767 | 1.0783 | 8.59 | Q | . | . | . | . |
| 1.783 | 1.0902 | 8.59 | Q | . | . | . | . |
| 1.800 | 1.1020 | 8.60 | Q | . | . | . | . |
| 1.817 | 1.1139 | 8.61 | Q | . | . | . | . |
| 1.833 | 1.1257 | 8.62 | Q | . | . | . | . |
| 1.850 | 1.1376 | 8.63 | Q | . | . | . | . |
| 1.867 | 1.1495 | 8.64 | Q | . | . | . | . |
| 1.883 | 1.1614 | 8.64 | Q | . | . | . | . |
| 1.900 | 1.1734 | 8.65 | Q | . | . | . | . |
| 1.917 | 1.1853 | 8.66 | QV | . | . | . | . |
| 1.933 | 1.1972 | 8.67 | QV | . | . | . | . |
| 1.950 | 1.2092 | 8.68 | QV | . | . | . | . |
| 1.967 | 1.2211 | 8.69 | QV | . | . | . | . |
| 1.983 | 1.2331 | 8.70 | QV | . | . | . | . |
| 2.000 | 1.2451 | 8.70 | QV | . | . | . | . |
| 2.017 | 1.2571 | 8.71 | QV | . | . | . | . |
| 2.033 | 1.2691 | 8.72 | QV | . | . | . | . |
| 2.050 | 1.2812 | 8.73 | QV | . | . | . | . |
| 2.067 | 1.2932 | 8.74 | QV | . | . | . | . |
| 2.083 | 1.3052 | 8.74 | QV | . | . | . | . |
| 2.100 | 1.3173 | 8.75 | QV | . | . | . | . |
| 2.117 | 1.3293 | 8.75 | QV | . | . | . | . |
| 2.133 | 1.3414 | 8.75 | QV | . | . | . | . |
| 2.150 | 1.3534 | 8.76 | QV | . | . | . | . |
| 2.167 | 1.3655 | 8.76 | QV | . | . | . | . |
| 2.183 | 1.3776 | 8.77 | QV | . | . | . | . |
| 2.200 | 1.3897 | 8.77 | QV | . | . | . | . |
| 2.217 | 1.4018 | 8.78 | QV | . | . | . | . |
| 2.233 | 1.4139 | 8.78 | QV | . | . | . | . |
| 2.250 | 1.4260 | 8.78 | QV | . | . | . | . |
| 2.267 | 1.4381 | 8.79 | QV | . | . | . | . |
| 2.283 | 1.4502 | 8.79 | QV | . | . | . | . |
| 2.300 | 1.4623 | 8.80 | QV | . | . | . | . |
| 2.317 | 1.4744 | 8.80 | QV | . | . | . | . |
| 2.333 | 1.4865 | 8.81 | QV | . | . | . | . |
| 2.350 | 1.4987 | 8.81 | QV | . | . | . | . |
| 2.367 | 1.5108 | 8.82 | QV | . | . | . | . |
| 2.383 | 1.5230 | 8.83 | QV | . | . | . | . |
| 2.400 | 1.5352 | 8.84 | QV | . | . | . | . |
| 2.417 | 1.5474 | 8.85 | QV | . | . | . | . |
| 2.433 | 1.5596 | 8.86 | QV | . | . | . | . |
| 2.450 | 1.5718 | 8.87 | QV | . | . | . | . |
| 2.467 | 1.5840 | 8.88 | QV | . | . | . | . |
| 2.483 | 1.5962 | 8.88 | QV | . | . | . | . |
| 2.500 | 1.6085 | 8.89 | QV | . | . | . | . |
| 2.517 | 1.6208 | 8.90 | QV | . | . | . | . |
| 2.533 | 1.6330 | 8.91 | QV | . | . | . | . |
| 2.550 | 1.6453 | 8.92 | QV | . | . | . | . |
| 2.567 | 1.6576 | 8.93 | QV | . | . | . | . |
| 2.583 | 1.6699 | 8.94 | QV | . | . | . | . |
| 2.600 | 1.6823 | 8.95 | QV | . | . | . | . |
| 2.617 | 1.6946 | 8.96 | QV | . | . | . | . |
| 2.633 | 1.7069 | 8.97 | QV | . | . | . | . |
| 2.650 | 1.7193 | 8.97 | QV | . | . | . | . |
| 2.667 | 1.7317 | 8.97 | QV | . | . | . | . |
| 2.683 | 1.7440 | 8.98 | QV | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 2.700 | 1.7564 | 8.98 | QV | . | . | . | . |
| 2.717 | 1.7688 | 8.99 | QV | . | . | . | . |
| 2.733 | 1.7812 | 8.99 | QV | . | . | . | . |
| 2.750 | 1.7936 | 9.00 | QV | . | . | . | . |
| 2.767 | 1.8060 | 9.00 | QV | . | . | . | . |
| 2.783 | 1.8184 | 9.01 | QV | . | . | . | . |
| 2.800 | 1.8308 | 9.01 | QV | . | . | . | . |
| 2.817 | 1.8432 | 9.02 | QV | . | . | . | . |
| 2.833 | 1.8556 | 9.02 | QV | . | . | . | . |
| 2.850 | 1.8681 | 9.03 | QV | . | . | . | . |
| 2.867 | 1.8805 | 9.03 | QV | . | . | . | . |
| 2.883 | 1.8930 | 9.04 | QV | . | . | . | . |
| 2.900 | 1.9054 | 9.04 | QV | . | . | . | . |
| 2.917 | 1.9179 | 9.05 | QV | . | . | . | . |
| 2.933 | 1.9303 | 9.06 | QV | . | . | . | . |
| 2.950 | 1.9428 | 9.07 | QV | . | . | . | . |
| 2.967 | 1.9553 | 9.08 | QV | . | . | . | . |
| 2.983 | 1.9678 | 9.08 | QV | . | . | . | . |
| 3.000 | 1.9804 | 9.09 | QV | . | . | . | . |
| 3.017 | 1.9929 | 9.10 | QV | . | . | . | . |
| 3.033 | 2.0055 | 9.11 | QV | . | . | . | . |
| 3.050 | 2.0180 | 9.12 | QV | . | . | . | . |
| 3.067 | 2.0306 | 9.13 | QV | . | . | . | . |
| 3.083 | 2.0432 | 9.14 | QV | . | . | . | . |
| 3.100 | 2.0558 | 9.15 | QV | . | . | . | . |
| 3.117 | 2.0684 | 9.16 | QV | . | . | . | . |
| 3.133 | 2.0811 | 9.17 | QV | . | . | . | . |
| 3.150 | 2.0937 | 9.18 | QV | . | . | . | . |
| 3.167 | 2.1064 | 9.19 | QV | . | . | . | . |
| 3.183 | 2.1190 | 9.20 | QV | . | . | . | . |
| 3.200 | 2.1317 | 9.21 | QV | . | . | . | . |
| 3.217 | 2.1444 | 9.22 | QV | . | . | . | . |
| 3.233 | 2.1571 | 9.22 | QV | . | . | . | . |
| 3.250 | 2.1698 | 9.23 | QV | . | . | . | . |
| 3.267 | 2.1825 | 9.23 | QV | . | . | . | . |
| 3.283 | 2.1953 | 9.24 | QV | . | . | . | . |
| 3.300 | 2.2080 | 9.24 | QV | . | . | . | . |
| 3.317 | 2.2207 | 9.25 | QV | . | . | . | . |
| 3.333 | 2.2335 | 9.25 | QV | . | . | . | . |
| 3.350 | 2.2462 | 9.26 | QV | . | . | . | . |
| 3.367 | 2.2590 | 9.26 | QV | . | . | . | . |
| 3.383 | 2.2717 | 9.27 | QV | . | . | . | . |
| 3.400 | 2.2845 | 9.27 | QV | . | . | . | . |
| 3.417 | 2.2973 | 9.28 | QV | . | . | . | . |
| 3.433 | 2.3101 | 9.28 | QV | . | . | . | . |
| 3.450 | 2.3229 | 9.29 | QV | . | . | . | . |
| 3.467 | 2.3357 | 9.29 | QV | . | . | . | . |
| 3.483 | 2.3485 | 9.30 | QV | . | . | . | . |
| 3.500 | 2.3613 | 9.31 | QV | . | . | . | . |
| 3.517 | 2.3741 | 9.32 | Q V | . | . | . | . |
| 3.533 | 2.3870 | 9.33 | Q V | . | . | . | . |
| 3.550 | 2.3998 | 9.34 | Q V | . | . | . | . |
| 3.567 | 2.4127 | 9.35 | Q V | . | . | . | . |
| 3.583 | 2.4256 | 9.36 | Q V | . | . | . | . |
| 3.600 | 2.4385 | 9.37 | Q V | . | . | . | . |
| 3.617 | 2.4514 | 9.38 | Q V | . | . | . | . |
| 3.633 | 2.4644 | 9.39 | Q V | . | . | . | . |
| 3.650 | 2.4773 | 9.40 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|------|-----|---|---|---|---|
| 3.667 | 2.4903 | 9.41 | Q V | . | . | . | . |
| 3.683 | 2.5032 | 9.42 | Q V | . | . | . | . |
| 3.700 | 2.5162 | 9.43 | Q V | . | . | . | . |
| 3.717 | 2.5292 | 9.44 | Q V | . | . | . | . |
| 3.733 | 2.5423 | 9.45 | Q V | . | . | . | . |
| 3.750 | 2.5553 | 9.46 | Q V | . | . | . | . |
| 3.767 | 2.5683 | 9.47 | Q V | . | . | . | . |
| 3.783 | 2.5814 | 9.48 | Q V | . | . | . | . |
| 3.800 | 2.5945 | 9.48 | Q V | . | . | . | . |
| 3.817 | 2.6075 | 9.49 | Q V | . | . | . | . |
| 3.833 | 2.6206 | 9.50 | Q V | . | . | . | . |
| 3.850 | 2.6337 | 9.50 | Q V | . | . | . | . |
| 3.867 | 2.6468 | 9.51 | Q V | . | . | . | . |
| 3.883 | 2.6599 | 9.51 | Q V | . | . | . | . |
| 3.900 | 2.6730 | 9.52 | Q V | . | . | . | . |
| 3.917 | 2.6861 | 9.52 | Q V | . | . | . | . |
| 3.933 | 2.6992 | 9.53 | Q V | . | . | . | . |
| 3.950 | 2.7124 | 9.53 | Q V | . | . | . | . |
| 3.967 | 2.7255 | 9.54 | Q V | . | . | . | . |
| 3.983 | 2.7387 | 9.54 | Q V | . | . | . | . |
| 4.000 | 2.7518 | 9.55 | Q V | . | . | . | . |
| 4.017 | 2.7650 | 9.55 | Q V | . | . | . | . |
| 4.033 | 2.7781 | 9.56 | Q V | . | . | . | . |
| 4.050 | 2.7913 | 9.57 | Q V | . | . | . | . |
| 4.067 | 2.8045 | 9.58 | Q V | . | . | . | . |
| 4.083 | 2.8177 | 9.59 | Q V | . | . | . | . |
| 4.100 | 2.8309 | 9.60 | Q V | . | . | . | . |
| 4.117 | 2.8442 | 9.61 | Q V | . | . | . | . |
| 4.133 | 2.8574 | 9.62 | Q V | . | . | . | . |
| 4.150 | 2.8707 | 9.63 | Q V | . | . | . | . |
| 4.167 | 2.8840 | 9.64 | Q V | . | . | . | . |
| 4.183 | 2.8973 | 9.65 | Q V | . | . | . | . |
| 4.200 | 2.9106 | 9.67 | Q V | . | . | . | . |
| 4.217 | 2.9239 | 9.68 | Q V | . | . | . | . |
| 4.233 | 2.9373 | 9.69 | Q V | . | . | . | . |
| 4.250 | 2.9506 | 9.70 | Q V | . | . | . | . |
| 4.267 | 2.9640 | 9.71 | Q V | . | . | . | . |
| 4.283 | 2.9774 | 9.72 | Q V | . | . | . | . |
| 4.300 | 2.9908 | 9.73 | Q V | . | . | . | . |
| 4.317 | 3.0042 | 9.74 | Q V | . | . | . | . |
| 4.333 | 3.0176 | 9.76 | Q V | . | . | . | . |
| 4.350 | 3.0311 | 9.76 | Q V | . | . | . | . |
| 4.367 | 3.0445 | 9.77 | Q V | . | . | . | . |
| 4.383 | 3.0580 | 9.77 | Q V | . | . | . | . |
| 4.400 | 3.0715 | 9.78 | Q V | . | . | . | . |
| 4.417 | 3.0850 | 9.79 | Q V | . | . | . | . |
| 4.433 | 3.0985 | 9.79 | Q V | . | . | . | . |
| 4.450 | 3.1119 | 9.80 | Q V | . | . | . | . |
| 4.467 | 3.1254 | 9.80 | Q V | . | . | . | . |
| 4.483 | 3.1390 | 9.81 | Q V | . | . | . | . |
| 4.500 | 3.1525 | 9.82 | Q V | . | . | . | . |
| 4.517 | 3.1660 | 9.82 | Q V | . | . | . | . |
| 4.533 | 3.1795 | 9.83 | Q V | . | . | . | . |
| 4.550 | 3.1931 | 9.83 | Q V | . | . | . | . |
| 4.567 | 3.2066 | 9.84 | Q V | . | . | . | . |
| 4.583 | 3.2202 | 9.84 | Q V | . | . | . | . |
| 4.600 | 3.2338 | 9.85 | Q V | . | . | . | . |
| 4.617 | 3.2473 | 9.86 | Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 4.633 | 3.2609 | 9.87 | Q V | . | . | . | . |
| 4.650 | 3.2745 | 9.88 | Q V | . | . | . | . |
| 4.667 | 3.2882 | 9.89 | Q V | . | . | . | . |
| 4.683 | 3.3018 | 9.90 | Q V | . | . | . | . |
| 4.700 | 3.3155 | 9.92 | Q V | . | . | . | . |
| 4.717 | 3.3291 | 9.93 | Q V | . | . | . | . |
| 4.733 | 3.3428 | 9.94 | Q V | . | . | . | . |
| 4.750 | 3.3565 | 9.95 | Q V | . | . | . | . |
| 4.767 | 3.3703 | 9.96 | Q V | . | . | . | . |
| 4.783 | 3.3840 | 9.98 | Q V | . | . | . | . |
| 4.800 | 3.3978 | 9.99 | Q V | . | . | . | . |
| 4.817 | 3.4115 | 10.00 | .QV | . | . | . | . |
| 4.833 | 3.4253 | 10.01 | .QV | . | . | . | . |
| 4.850 | 3.4391 | 10.02 | .QV | . | . | . | . |
| 4.867 | 3.4530 | 10.04 | .QV | . | . | . | . |
| 4.883 | 3.4668 | 10.05 | .QV | . | . | . | . |
| 4.900 | 3.4807 | 10.06 | .QV | . | . | . | . |
| 4.917 | 3.4945 | 10.07 | .QV | . | . | . | . |
| 4.933 | 3.5084 | 10.08 | .QV | . | . | . | . |
| 4.950 | 3.5223 | 10.08 | .QV | . | . | . | . |
| 4.967 | 3.5362 | 10.09 | .QV | . | . | . | . |
| 4.983 | 3.5501 | 10.10 | .QV | . | . | . | . |
| 5.000 | 3.5640 | 10.10 | .Q V | . | . | . | . |
| 5.017 | 3.5779 | 10.11 | .Q V | . | . | . | . |
| 5.033 | 3.5919 | 10.11 | .Q V | . | . | . | . |
| 5.050 | 3.6058 | 10.12 | .Q V | . | . | . | . |
| 5.067 | 3.6198 | 10.13 | .Q V | . | . | . | . |
| 5.083 | 3.6337 | 10.13 | .Q V | . | . | . | . |
| 5.100 | 3.6477 | 10.14 | .Q V | . | . | . | . |
| 5.117 | 3.6617 | 10.15 | .Q V | . | . | . | . |
| 5.133 | 3.6756 | 10.15 | .Q V | . | . | . | . |
| 5.150 | 3.6896 | 10.16 | .Q V | . | . | . | . |
| 5.167 | 3.7036 | 10.16 | .Q V | . | . | . | . |
| 5.183 | 3.7176 | 10.17 | .Q V | . | . | . | . |
| 5.200 | 3.7317 | 10.18 | .Q V | . | . | . | . |
| 5.217 | 3.7457 | 10.19 | .Q V | . | . | . | . |
| 5.233 | 3.7598 | 10.21 | .Q V | . | . | . | . |
| 5.250 | 3.7738 | 10.22 | .Q V | . | . | . | . |
| 5.267 | 3.7879 | 10.23 | .Q V | . | . | . | . |
| 5.283 | 3.8021 | 10.25 | .Q V | . | . | . | . |
| 5.300 | 3.8162 | 10.26 | .Q V | . | . | . | . |
| 5.317 | 3.8303 | 10.27 | .Q V | . | . | . | . |
| 5.333 | 3.8445 | 10.29 | .Q V | . | . | . | . |
| 5.350 | 3.8587 | 10.30 | .Q V | . | . | . | . |
| 5.367 | 3.8729 | 10.31 | .Q V | . | . | . | . |
| 5.383 | 3.8871 | 10.33 | .Q V | . | . | . | . |
| 5.400 | 3.9014 | 10.34 | .Q V | . | . | . | . |
| 5.417 | 3.9156 | 10.35 | .Q V | . | . | . | . |
| 5.433 | 3.9299 | 10.37 | .Q V | . | . | . | . |
| 5.450 | 3.9442 | 10.38 | .Q V | . | . | . | . |
| 5.467 | 3.9585 | 10.39 | .Q V | . | . | . | . |
| 5.483 | 3.9728 | 10.40 | .Q V | . | . | . | . |
| 5.500 | 3.9872 | 10.41 | .Q V | . | . | . | . |
| 5.517 | 4.0015 | 10.42 | .Q V | . | . | . | . |
| 5.533 | 4.0159 | 10.42 | .Q V | . | . | . | . |
| 5.550 | 4.0303 | 10.43 | .Q V | . | . | . | . |
| 5.567 | 4.0446 | 10.44 | .Q V | . | . | . | . |
| 5.583 | 4.0590 | 10.44 | .Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 5.600 | 4.0734 | 10.45 | .Q V | . | . | . | . |
| 5.617 | 4.0878 | 10.46 | .Q V | . | . | . | . |
| 5.633 | 4.1022 | 10.47 | .Q V | . | . | . | . |
| 5.650 | 4.1167 | 10.47 | .Q V | . | . | . | . |
| 5.667 | 4.1311 | 10.48 | .Q V | . | . | . | . |
| 5.683 | 4.1455 | 10.49 | .Q V | . | . | . | . |
| 5.700 | 4.1600 | 10.49 | .Q V | . | . | . | . |
| 5.717 | 4.1745 | 10.50 | .Q V | . | . | . | . |
| 5.733 | 4.1889 | 10.51 | .Q V | . | . | . | . |
| 5.750 | 4.2034 | 10.51 | .Q V | . | . | . | . |
| 5.767 | 4.2179 | 10.52 | .Q V | . | . | . | . |
| 5.783 | 4.2324 | 10.54 | .Q V | . | . | . | . |
| 5.800 | 4.2470 | 10.55 | .Q V | . | . | . | . |
| 5.817 | 4.2615 | 10.57 | .Q V | . | . | . | . |
| 5.833 | 4.2761 | 10.58 | .Q V | . | . | . | . |
| 5.850 | 4.2907 | 10.60 | .Q V | . | . | . | . |
| 5.867 | 4.3053 | 10.61 | .Q V | . | . | . | . |
| 5.883 | 4.3199 | 10.62 | .Q V | . | . | . | . |
| 5.900 | 4.3346 | 10.64 | .Q V | . | . | . | . |
| 5.917 | 4.3493 | 10.65 | .Q V | . | . | . | . |
| 5.933 | 4.3639 | 10.67 | .Q V | . | . | . | . |
| 5.950 | 4.3787 | 10.68 | .Q V | . | . | . | . |
| 5.967 | 4.3934 | 10.70 | .Q V | . | . | . | . |
| 5.983 | 4.4081 | 10.71 | .Q V | . | . | . | . |
| 6.000 | 4.4229 | 10.73 | .Q V | . | . | . | . |
| 6.017 | 4.4377 | 10.74 | .Q V | . | . | . | . |
| 6.033 | 4.4525 | 10.75 | .Q V | . | . | . | . |
| 6.050 | 4.4674 | 10.77 | .Q V | . | . | . | . |
| 6.067 | 4.4822 | 10.77 | .Q V | . | . | . | . |
| 6.083 | 4.4970 | 10.78 | .Q V | . | . | . | . |
| 6.100 | 4.5119 | 10.79 | .Q V | . | . | . | . |
| 6.117 | 4.5268 | 10.80 | .Q V | . | . | . | . |
| 6.133 | 4.5417 | 10.80 | .Q V | . | . | . | . |
| 6.150 | 4.5566 | 10.81 | .Q V | . | . | . | . |
| 6.167 | 4.5715 | 10.82 | .Q V | . | . | . | . |
| 6.183 | 4.5864 | 10.83 | .Q V | . | . | . | . |
| 6.200 | 4.6013 | 10.83 | .Q V | . | . | . | . |
| 6.217 | 4.6162 | 10.84 | .Q V | . | . | . | . |
| 6.233 | 4.6312 | 10.85 | .Q V | . | . | . | . |
| 6.250 | 4.6461 | 10.86 | .Q V | . | . | . | . |
| 6.267 | 4.6611 | 10.86 | .Q V | . | . | . | . |
| 6.283 | 4.6761 | 10.87 | .Q V | . | . | . | . |
| 6.300 | 4.6911 | 10.88 | .Q V | . | . | . | . |
| 6.317 | 4.7060 | 10.89 | .Q V | . | . | . | . |
| 6.333 | 4.7211 | 10.90 | .Q V | . | . | . | . |
| 6.350 | 4.7361 | 10.91 | .Q V | . | . | . | . |
| 6.367 | 4.7511 | 10.93 | .Q V | . | . | . | . |
| 6.383 | 4.7662 | 10.94 | .Q V | . | . | . | . |
| 6.400 | 4.7813 | 10.96 | .Q V | . | . | . | . |
| 6.417 | 4.7964 | 10.98 | .Q V | . | . | . | . |
| 6.433 | 4.8116 | 10.99 | .Q V | . | . | . | . |
| 6.450 | 4.8267 | 11.01 | .Q V | . | . | . | . |
| 6.467 | 4.8419 | 11.02 | .Q V | . | . | . | . |
| 6.483 | 4.8571 | 11.04 | .Q V | . | . | . | . |
| 6.500 | 4.8723 | 11.05 | .Q V | . | . | . | . |
| 6.517 | 4.8876 | 11.07 | .Q V | . | . | . | . |
| 6.533 | 4.9029 | 11.09 | .Q V | . | . | . | . |
| 6.550 | 4.9182 | 11.10 | .Q V | . | . | . | . |

| | | | | | | | |
|-------|--------|-------|------|---|---|---|---|
| 6.567 | 4.9335 | 11.12 | .Q V | . | . | . | . |
| 6.583 | 4.9488 | 11.13 | .Q V | . | . | . | . |
| 6.600 | 4.9642 | 11.15 | .Q V | . | . | . | . |
| 6.617 | 4.9795 | 11.16 | .Q V | . | . | . | . |
| 6.633 | 4.9949 | 11.17 | .Q V | . | . | . | . |
| 6.650 | 5.0103 | 11.18 | .Q V | . | . | . | . |
| 6.667 | 5.0257 | 11.19 | .Q V | . | . | . | . |
| 6.683 | 5.0412 | 11.20 | .Q V | . | . | . | . |
| 6.700 | 5.0566 | 11.21 | .Q V | . | . | . | . |
| 6.717 | 5.0720 | 11.21 | .Q V | . | . | . | . |
| 6.733 | 5.0875 | 11.22 | .Q V | . | . | . | . |
| 6.750 | 5.1030 | 11.23 | .Q V | . | . | . | . |
| 6.767 | 5.1185 | 11.24 | .Q V | . | . | . | . |
| 6.783 | 5.1339 | 11.25 | .Q V | . | . | . | . |
| 6.800 | 5.1495 | 11.26 | .Q V | . | . | . | . |
| 6.817 | 5.1650 | 11.26 | .Q V | . | . | . | . |
| 6.833 | 5.1805 | 11.27 | .Q V | . | . | . | . |
| 6.850 | 5.1960 | 11.28 | .Q V | . | . | . | . |
| 6.867 | 5.2116 | 11.29 | .Q V | . | . | . | . |
| 6.883 | 5.2271 | 11.30 | .Q V | . | . | . | . |
| 6.900 | 5.2427 | 11.31 | .Q V | . | . | . | . |
| 6.917 | 5.2583 | 11.32 | .Q V | . | . | . | . |
| 6.933 | 5.2739 | 11.34 | .Q V | . | . | . | . |
| 6.950 | 5.2896 | 11.36 | .Q V | . | . | . | . |
| 6.967 | 5.3053 | 11.38 | .Q V | . | . | . | . |
| 6.983 | 5.3209 | 11.39 | .Q V | . | . | . | . |
| 7.000 | 5.3367 | 11.41 | .Q V | . | . | . | . |
| 7.017 | 5.3524 | 11.43 | .Q V | . | . | . | . |
| 7.033 | 5.3682 | 11.45 | .Q V | . | . | . | . |
| 7.050 | 5.3840 | 11.46 | .Q V | . | . | . | . |
| 7.067 | 5.3998 | 11.48 | .Q V | . | . | . | . |
| 7.083 | 5.4156 | 11.50 | .Q V | . | . | . | . |
| 7.100 | 5.4315 | 11.52 | .Q V | . | . | . | . |
| 7.117 | 5.4474 | 11.53 | .Q V | . | . | . | . |
| 7.133 | 5.4633 | 11.55 | .Q V | . | . | . | . |
| 7.150 | 5.4792 | 11.57 | .Q V | . | . | . | . |
| 7.167 | 5.4952 | 11.59 | .Q V | . | . | . | . |
| 7.183 | 5.5111 | 11.60 | .Q V | . | . | . | . |
| 7.200 | 5.5271 | 11.61 | .Q V | . | . | . | . |
| 7.217 | 5.5431 | 11.62 | .Q V | . | . | . | . |
| 7.233 | 5.5592 | 11.63 | .Q V | . | . | . | . |
| 7.250 | 5.5752 | 11.64 | .Q V | . | . | . | . |
| 7.267 | 5.5912 | 11.65 | .Q V | . | . | . | . |
| 7.283 | 5.6073 | 11.66 | .Q V | . | . | . | . |
| 7.300 | 5.6234 | 11.67 | .Q V | . | . | . | . |
| 7.317 | 5.6394 | 11.68 | .Q V | . | . | . | . |
| 7.333 | 5.6555 | 11.69 | .Q V | . | . | . | . |
| 7.350 | 5.6717 | 11.69 | .Q V | . | . | . | . |
| 7.367 | 5.6878 | 11.70 | .Q V | . | . | . | . |
| 7.383 | 5.7039 | 11.71 | .Q V | . | . | . | . |
| 7.400 | 5.7201 | 11.72 | .Q V | . | . | . | . |
| 7.417 | 5.7362 | 11.73 | .Q V | . | . | . | . |
| 7.433 | 5.7524 | 11.74 | .Q V | . | . | . | . |
| 7.450 | 5.7686 | 11.75 | .Q V | . | . | . | . |
| 7.467 | 5.7848 | 11.76 | .Q V | . | . | . | . |
| 7.483 | 5.8010 | 11.78 | .Q V | . | . | . | . |
| 7.500 | 5.8172 | 11.80 | .Q V | . | . | . | . |
| 7.517 | 5.8335 | 11.82 | .Q V | . | . | . | . |

| | | | | | | | | |
|-------|--------|-------|----|---|---|---|---|---|
| 7.533 | 5.8498 | 11.84 | .Q | V | . | . | . | . |
| 7.550 | 5.8662 | 11.86 | .Q | V | . | . | . | . |
| 7.567 | 5.8825 | 11.87 | .Q | V | . | . | . | . |
| 7.583 | 5.8989 | 11.89 | .Q | V | . | . | . | . |
| 7.600 | 5.9153 | 11.91 | .Q | V | . | . | . | . |
| 7.617 | 5.9317 | 11.93 | .Q | V | . | . | . | . |
| 7.633 | 5.9482 | 11.95 | .Q | V | . | . | . | . |
| 7.650 | 5.9647 | 11.97 | .Q | V | . | . | . | . |
| 7.667 | 5.9812 | 11.99 | .Q | V | . | . | . | . |
| 7.683 | 5.9977 | 12.01 | .Q | V | . | . | . | . |
| 7.700 | 6.0143 | 12.03 | .Q | V | . | . | . | . |
| 7.717 | 6.0309 | 12.05 | .Q | V | . | . | . | . |
| 7.733 | 6.0475 | 12.07 | .Q | V | . | . | . | . |
| 7.750 | 6.0642 | 12.09 | .Q | V | . | . | . | . |
| 7.767 | 6.0808 | 12.10 | .Q | V | . | . | . | . |
| 7.783 | 6.0975 | 12.11 | .Q | V | . | . | . | . |
| 7.800 | 6.1142 | 12.12 | .Q | V | . | . | . | . |
| 7.817 | 6.1309 | 12.13 | .Q | V | . | . | . | . |
| 7.833 | 6.1476 | 12.14 | .Q | V | . | . | . | . |
| 7.850 | 6.1644 | 12.15 | .Q | V | . | . | . | . |
| 7.867 | 6.1811 | 12.16 | .Q | V | . | . | . | . |
| 7.883 | 6.1979 | 12.17 | .Q | V | . | . | . | . |
| 7.900 | 6.2147 | 12.18 | .Q | V | . | . | . | . |
| 7.917 | 6.2315 | 12.19 | .Q | V | . | . | . | . |
| 7.933 | 6.2483 | 12.20 | .Q | V | . | . | . | . |
| 7.950 | 6.2651 | 12.21 | .Q | V | . | . | . | . |
| 7.967 | 6.2819 | 12.22 | .Q | V | . | . | . | . |
| 7.983 | 6.2988 | 12.23 | .Q | V | . | . | . | . |
| 8.000 | 6.3156 | 12.24 | .Q | V | . | . | . | . |
| 8.017 | 6.3325 | 12.25 | .Q | V | . | . | . | . |
| 8.033 | 6.3494 | 12.26 | .Q | V | . | . | . | . |
| 8.050 | 6.3663 | 12.28 | .Q | V | . | . | . | . |
| 8.067 | 6.3833 | 12.30 | .Q | V | . | . | . | . |
| 8.083 | 6.4003 | 12.32 | .Q | V | . | . | . | . |
| 8.100 | 6.4173 | 12.35 | .Q | V | . | . | . | . |
| 8.117 | 6.4343 | 12.37 | .Q | V | . | . | . | . |
| 8.133 | 6.4514 | 12.39 | .Q | V | . | . | . | . |
| 8.150 | 6.4685 | 12.41 | .Q | V | . | . | . | . |
| 8.167 | 6.4856 | 12.43 | .Q | V | . | . | . | . |
| 8.183 | 6.5027 | 12.45 | .Q | V | . | . | . | . |
| 8.200 | 6.5199 | 12.48 | .Q | V | . | . | . | . |
| 8.217 | 6.5371 | 12.50 | .Q | V | . | . | . | . |
| 8.233 | 6.5544 | 12.52 | .Q | V | . | . | . | . |
| 8.250 | 6.5717 | 12.54 | .Q | V | . | . | . | . |
| 8.267 | 6.5890 | 12.56 | .Q | V | . | . | . | . |
| 8.283 | 6.6063 | 12.58 | .Q | V | . | . | . | . |
| 8.300 | 6.6237 | 12.61 | .Q | V | . | . | . | . |
| 8.317 | 6.6411 | 12.63 | .Q | V | . | . | . | . |
| 8.333 | 6.6585 | 12.64 | .Q | V | . | . | . | . |
| 8.350 | 6.6759 | 12.65 | .Q | V | . | . | . | . |
| 8.367 | 6.6933 | 12.67 | .Q | V | . | . | . | . |
| 8.383 | 6.7108 | 12.68 | .Q | V | . | . | . | . |
| 8.400 | 6.7283 | 12.69 | .Q | V | . | . | . | . |
| 8.417 | 6.7458 | 12.70 | .Q | V | . | . | . | . |
| 8.433 | 6.7633 | 12.71 | .Q | V | . | . | . | . |
| 8.450 | 6.7808 | 12.72 | .Q | V | . | . | . | . |
| 8.467 | 6.7983 | 12.73 | .Q | V | . | . | . | . |
| 8.483 | 6.8159 | 12.75 | .Q | V | . | . | . | . |

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|-------|--------|-------|----|---|---|---|---|---|
| 8.500 | 6.8335 | 12.76 | .Q | V | . | . | . | . |
| 8.517 | 6.8511 | 12.77 | .Q | V | . | . | . | . |
| 8.533 | 6.8687 | 12.78 | .Q | V | . | . | . | . |
| 8.550 | 6.8863 | 12.79 | .Q | V | . | . | . | . |
| 8.567 | 6.9039 | 12.80 | .Q | V | . | . | . | . |
| 8.583 | 6.9216 | 12.81 | .Q | V | . | . | . | . |
| 8.600 | 6.9392 | 12.83 | .Q | V | . | . | . | . |
| 8.617 | 6.9569 | 12.85 | .Q | V | . | . | . | . |
| 8.633 | 6.9747 | 12.87 | .Q | V | . | . | . | . |
| 8.650 | 6.9924 | 12.89 | .Q | V | . | . | . | . |
| 8.667 | 7.0102 | 12.92 | .Q | V | . | . | . | . |
| 8.683 | 7.0280 | 12.94 | .Q | V | . | . | . | . |
| 8.700 | 7.0459 | 12.97 | .Q | V | . | . | . | . |
| 8.717 | 7.0638 | 12.99 | .Q | V | . | . | . | . |
| 8.733 | 7.0817 | 13.02 | .Q | V | . | . | . | . |
| 8.750 | 7.0997 | 13.04 | .Q | V | . | . | . | . |
| 8.767 | 7.1177 | 13.06 | .Q | V | . | . | . | . |
| 8.783 | 7.1357 | 13.09 | .Q | V | . | . | . | . |
| 8.800 | 7.1538 | 13.11 | .Q | V | . | . | . | . |
| 8.817 | 7.1719 | 13.14 | .Q | V | . | . | . | . |
| 8.833 | 7.1900 | 13.16 | .Q | V | . | . | . | . |
| 8.850 | 7.2082 | 13.19 | .Q | V | . | . | . | . |
| 8.867 | 7.2264 | 13.21 | .Q | V | . | . | . | . |
| 8.883 | 7.2446 | 13.24 | .Q | V | . | . | . | . |
| 8.900 | 7.2629 | 13.25 | .Q | V | . | . | . | . |
| 8.917 | 7.2811 | 13.27 | .Q | V | . | . | . | . |
| 8.933 | 7.2994 | 13.28 | .Q | V | . | . | . | . |
| 8.950 | 7.3177 | 13.29 | .Q | V | . | . | . | . |
| 8.967 | 7.3361 | 13.31 | .Q | V | . | . | . | . |
| 8.983 | 7.3544 | 13.32 | .Q | V | . | . | . | . |
| 9.000 | 7.3728 | 13.33 | .Q | V | . | . | . | . |
| 9.017 | 7.3911 | 13.35 | .Q | V | . | . | . | . |
| 9.033 | 7.4095 | 13.36 | .Q | V | . | . | . | . |
| 9.050 | 7.4280 | 13.37 | .Q | V | . | . | . | . |
| 9.067 | 7.4464 | 13.38 | .Q | V | . | . | . | . |
| 9.083 | 7.4649 | 13.40 | .Q | V | . | . | . | . |
| 9.100 | 7.4833 | 13.41 | .Q | V | . | . | . | . |
| 9.117 | 7.5018 | 13.42 | .Q | V | . | . | . | . |
| 9.133 | 7.5203 | 13.44 | .Q | V | . | . | . | . |
| 9.150 | 7.5388 | 13.45 | .Q | V | . | . | . | . |
| 9.167 | 7.5574 | 13.46 | .Q | V | . | . | . | . |
| 9.183 | 7.5760 | 13.48 | .Q | V | . | . | . | . |
| 9.200 | 7.5946 | 13.51 | .Q | V | . | . | . | . |
| 9.217 | 7.6132 | 13.54 | .Q | V | . | . | . | . |
| 9.233 | 7.6319 | 13.56 | .Q | V | . | . | . | . |
| 9.250 | 7.6506 | 13.59 | .Q | V | . | . | . | . |
| 9.267 | 7.6694 | 13.62 | .Q | V | . | . | . | . |
| 9.283 | 7.6882 | 13.65 | .Q | V | . | . | . | . |
| 9.300 | 7.7070 | 13.68 | .Q | V | . | . | . | . |
| 9.317 | 7.7259 | 13.70 | .Q | V | . | . | . | . |
| 9.333 | 7.7448 | 13.73 | .Q | V | . | . | . | . |
| 9.350 | 7.7638 | 13.76 | .Q | V | . | . | . | . |
| 9.367 | 7.7827 | 13.79 | .Q | V | . | . | . | . |
| 9.383 | 7.8018 | 13.81 | .Q | V | . | . | . | . |
| 9.400 | 7.8208 | 13.84 | .Q | V | . | . | . | . |
| 9.417 | 7.8399 | 13.87 | .Q | V | . | . | . | . |
| 9.433 | 7.8591 | 13.90 | .Q | V | . | . | . | . |
| 9.450 | 7.8783 | 13.93 | .Q | V | . | . | . | . |

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|--------|--------|-------|----|---|---|---|---|---|
| 9.467 | 7.8975 | 13.95 | .Q | V | . | . | . | . |
| 9.483 | 7.9167 | 13.96 | .Q | V | . | . | . | . |
| 9.500 | 7.9360 | 13.98 | .Q | V | . | . | . | . |
| 9.517 | 7.9552 | 13.99 | .Q | V | . | . | . | . |
| 9.533 | 7.9745 | 14.01 | .Q | V | . | . | . | . |
| 9.550 | 7.9939 | 14.02 | .Q | V | . | . | . | . |
| 9.567 | 8.0132 | 14.04 | .Q | V | . | . | . | . |
| 9.583 | 8.0325 | 14.05 | .Q | V | . | . | . | . |
| 9.600 | 8.0519 | 14.07 | .Q | V | . | . | . | . |
| 9.617 | 8.0713 | 14.08 | .Q | V | . | . | . | . |
| 9.633 | 8.0907 | 14.10 | .Q | V | . | . | . | . |
| 9.650 | 8.1102 | 14.11 | .Q | V | . | . | . | . |
| 9.667 | 8.1296 | 14.13 | .Q | V | . | . | . | . |
| 9.683 | 8.1491 | 14.14 | .Q | V | . | . | . | . |
| 9.700 | 8.1686 | 14.16 | .Q | V | . | . | . | . |
| 9.717 | 8.1881 | 14.17 | .Q | V | . | . | . | . |
| 9.733 | 8.2077 | 14.19 | .Q | V | . | . | . | . |
| 9.750 | 8.2272 | 14.21 | .Q | V | . | . | . | . |
| 9.767 | 8.2468 | 14.24 | .Q | V | . | . | . | . |
| 9.783 | 8.2665 | 14.27 | .Q | V | . | . | . | . |
| 9.800 | 8.2862 | 14.30 | .Q | V | . | . | . | . |
| 9.817 | 8.3059 | 14.33 | .Q | V | . | . | . | . |
| 9.833 | 8.3257 | 14.37 | .Q | V | . | . | . | . |
| 9.850 | 8.3456 | 14.40 | .Q | V | . | . | . | . |
| 9.867 | 8.3654 | 14.43 | .Q | V | . | . | . | . |
| 9.883 | 8.3854 | 14.46 | .Q | V | . | . | . | . |
| 9.900 | 8.4053 | 14.49 | .Q | V | . | . | . | . |
| 9.917 | 8.4253 | 14.52 | .Q | V | . | . | . | . |
| 9.933 | 8.4454 | 14.56 | .Q | V | . | . | . | . |
| 9.950 | 8.4655 | 14.59 | .Q | V | . | . | . | . |
| 9.967 | 8.4856 | 14.62 | .Q | V | . | . | . | . |
| 9.983 | 8.5058 | 14.65 | .Q | V | . | . | . | . |
| 10.000 | 8.5260 | 14.68 | .Q | V | . | . | . | . |
| 10.017 | 8.5463 | 14.72 | .Q | V | . | . | . | . |
| 10.033 | 8.5666 | 14.74 | .Q | V | . | . | . | . |
| 10.050 | 8.5869 | 14.76 | .Q | V | . | . | . | . |
| 10.067 | 8.6073 | 14.78 | .Q | V | . | . | . | . |
| 10.083 | 8.6277 | 14.80 | .Q | V | . | . | . | . |
| 10.100 | 8.6481 | 14.81 | .Q | V | . | . | . | . |
| 10.117 | 8.6685 | 14.83 | .Q | V | . | . | . | . |
| 10.133 | 8.6890 | 14.85 | .Q | V | . | . | . | . |
| 10.150 | 8.7094 | 14.87 | .Q | V | . | . | . | . |
| 10.167 | 8.7299 | 14.88 | .Q | V | . | . | . | . |
| 10.183 | 8.7505 | 14.90 | .Q | V | . | . | . | . |
| 10.200 | 8.7710 | 14.92 | .Q | V | . | . | . | . |
| 10.217 | 8.7916 | 14.93 | .Q | V | . | . | . | . |
| 10.233 | 8.8122 | 14.95 | .Q | V | . | . | . | . |
| 10.250 | 8.8328 | 14.97 | .Q | V | . | . | . | . |
| 10.267 | 8.8534 | 14.99 | .Q | V | . | . | . | . |
| 10.283 | 8.8741 | 15.00 | .Q | V | . | . | . | . |
| 10.300 | 8.8948 | 15.02 | .Q | V | . | . | . | . |
| 10.317 | 8.9155 | 15.04 | .Q | V | . | . | . | . |
| 10.333 | 8.9363 | 15.08 | .Q | V | . | . | . | . |
| 10.350 | 8.9571 | 15.11 | .Q | V | . | . | . | . |
| 10.367 | 8.9780 | 15.15 | .Q | V | . | . | . | . |
| 10.383 | 8.9989 | 15.19 | .Q | V | . | . | . | . |
| 10.400 | 9.0199 | 15.23 | .Q | V | . | . | . | . |
| 10.417 | 9.0409 | 15.26 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|---|
| 10.433 | 9.0620 | 15.30 | .Q | V | . | . | . | . |
| 10.450 | 9.0831 | 15.34 | .Q | V | . | . | . | . |
| 10.467 | 9.1043 | 15.37 | .Q | V | . | . | . | . |
| 10.483 | 9.1255 | 15.41 | .Q | V | . | . | . | . |
| 10.500 | 9.1468 | 15.45 | .Q | V | . | . | . | . |
| 10.517 | 9.1681 | 15.49 | .Q | V | . | . | . | . |
| 10.533 | 9.1895 | 15.52 | .Q | V | . | . | . | . |
| 10.550 | 9.2109 | 15.56 | .Q | V | . | . | . | . |
| 10.567 | 9.2324 | 15.60 | .Q | V | . | . | . | . |
| 10.583 | 9.2539 | 15.64 | .Q | V | . | . | . | . |
| 10.600 | 9.2755 | 15.67 | .Q | V | . | . | . | . |
| 10.617 | 9.2971 | 15.69 | .Q | V | . | . | . | . |
| 10.633 | 9.3188 | 15.71 | .Q | V | . | . | . | . |
| 10.650 | 9.3404 | 15.73 | .Q | V | . | . | . | . |
| 10.667 | 9.3621 | 15.75 | .Q | V | . | . | . | . |
| 10.683 | 9.3839 | 15.77 | .Q | V | . | . | . | . |
| 10.700 | 9.4056 | 15.79 | .Q | V | . | . | . | . |
| 10.717 | 9.4274 | 15.81 | .Q | V | . | . | . | . |
| 10.733 | 9.4492 | 15.83 | .Q | V | . | . | . | . |
| 10.750 | 9.4710 | 15.85 | .Q | V | . | . | . | . |
| 10.767 | 9.4929 | 15.87 | .Q | V | . | . | . | . |
| 10.783 | 9.5148 | 15.89 | .Q | V | . | . | . | . |
| 10.800 | 9.5367 | 15.91 | .Q | V | . | . | . | . |
| 10.817 | 9.5587 | 15.93 | .Q | V | . | . | . | . |
| 10.833 | 9.5807 | 15.95 | .Q | V | . | . | . | . |
| 10.850 | 9.6027 | 15.97 | .Q | V | . | . | . | . |
| 10.867 | 9.6247 | 15.99 | .Q | V | . | . | . | . |
| 10.883 | 9.6467 | 16.02 | .Q | V | . | . | . | . |
| 10.900 | 9.6689 | 16.06 | .Q | V | . | . | . | . |
| 10.917 | 9.6910 | 16.10 | .Q | V | . | . | . | . |
| 10.933 | 9.7133 | 16.15 | .Q | V | . | . | . | . |
| 10.950 | 9.7356 | 16.19 | .Q | V | . | . | . | . |
| 10.967 | 9.7579 | 16.23 | .Q | V | . | . | . | . |
| 10.983 | 9.7804 | 16.28 | .Q | V | . | . | . | . |
| 11.000 | 9.8028 | 16.32 | .Q | V | . | . | . | . |
| 11.017 | 9.8254 | 16.37 | .Q | V | . | . | . | . |
| 11.033 | 9.8480 | 16.41 | .Q | V | . | . | . | . |
| 11.050 | 9.8707 | 16.45 | .Q | V | . | . | . | . |
| 11.067 | 9.8934 | 16.50 | .Q | V | . | . | . | . |
| 11.083 | 9.9162 | 16.54 | .Q | V | . | . | . | . |
| 11.100 | 9.9390 | 16.59 | .Q | V | . | . | . | . |
| 11.117 | 9.9619 | 16.63 | .Q | V | . | . | . | . |
| 11.133 | 9.9849 | 16.67 | .Q | V | . | . | . | . |
| 11.150 | 10.0079 | 16.72 | .Q | V | . | . | . | . |
| 11.167 | 10.0310 | 16.76 | .Q | V | . | . | . | . |
| 11.183 | 10.0541 | 16.79 | .Q | V | . | . | . | . |
| 11.200 | 10.0773 | 16.81 | .Q | V | . | . | . | . |
| 11.217 | 10.1005 | 16.84 | .Q | V | . | . | . | . |
| 11.233 | 10.1237 | 16.86 | .Q | V | . | . | . | . |
| 11.250 | 10.1470 | 16.89 | .Q | V | . | . | . | . |
| 11.267 | 10.1703 | 16.91 | .Q | V | . | . | . | . |
| 11.283 | 10.1936 | 16.93 | .Q | V | . | . | . | . |
| 11.300 | 10.2169 | 16.96 | .Q | V | . | . | . | . |
| 11.317 | 10.2403 | 16.98 | .Q | V | . | . | . | . |
| 11.333 | 10.2638 | 17.01 | .Q | V | . | . | . | . |
| 11.350 | 10.2872 | 17.03 | .Q | V | . | . | . | . |
| 11.367 | 10.3107 | 17.05 | .Q | V | . | . | . | . |
| 11.383 | 10.3342 | 17.08 | .Q | V | . | . | . | . |

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|--------|---------|-------|----|---|---|---|---|
| 11.400 | 10.3578 | 17.10 | .Q | V | . | . | . |
| 11.417 | 10.3814 | 17.13 | .Q | V | . | . | . |
| 11.433 | 10.4050 | 17.15 | .Q | V | . | . | . |
| 11.450 | 10.4287 | 17.18 | .Q | V | . | . | . |
| 11.467 | 10.4524 | 17.22 | .Q | V | . | . | . |
| 11.483 | 10.4762 | 17.28 | .Q | V | . | . | . |
| 11.500 | 10.5001 | 17.33 | .Q | V | . | . | . |
| 11.517 | 10.5240 | 17.38 | .Q | V | . | . | . |
| 11.533 | 10.5480 | 17.44 | .Q | V | . | . | . |
| 11.550 | 10.5721 | 17.49 | .Q | V | . | . | . |
| 11.567 | 10.5963 | 17.54 | .Q | V | . | . | . |
| 11.583 | 10.6205 | 17.59 | .Q | V | . | . | . |
| 11.600 | 10.6448 | 17.65 | .Q | V | . | . | . |
| 11.617 | 10.6692 | 17.70 | .Q | V | . | . | . |
| 11.633 | 10.6936 | 17.75 | .Q | V | . | . | . |
| 11.650 | 10.7182 | 17.81 | .Q | V | . | . | . |
| 11.667 | 10.7428 | 17.86 | .Q | V | . | . | . |
| 11.683 | 10.7675 | 17.91 | .Q | V | . | . | . |
| 11.700 | 10.7922 | 17.97 | .Q | V | . | . | . |
| 11.717 | 10.8170 | 18.02 | .Q | V | . | . | . |
| 11.733 | 10.8419 | 18.07 | .Q | V | . | . | . |
| 11.750 | 10.8669 | 18.11 | .Q | V | . | . | . |
| 11.767 | 10.8918 | 18.14 | .Q | V | . | . | . |
| 11.783 | 10.9169 | 18.17 | .Q | V | . | . | . |
| 11.800 | 10.9419 | 18.20 | .Q | V | . | . | . |
| 11.817 | 10.9670 | 18.23 | .Q | V | . | . | . |
| 11.833 | 10.9922 | 18.26 | .Q | V | . | . | . |
| 11.850 | 11.0174 | 18.29 | .Q | V | . | . | . |
| 11.867 | 11.0426 | 18.32 | .Q | V | . | . | . |
| 11.883 | 11.0679 | 18.35 | .Q | V | . | . | . |
| 11.900 | 11.0932 | 18.38 | .Q | V | . | . | . |
| 11.917 | 11.1185 | 18.40 | .Q | V | . | . | . |
| 11.933 | 11.1439 | 18.43 | .Q | V | . | . | . |
| 11.950 | 11.1694 | 18.46 | .Q | V | . | . | . |
| 11.967 | 11.1948 | 18.49 | .Q | V | . | . | . |
| 11.983 | 11.2204 | 18.52 | .Q | V | . | . | . |
| 12.000 | 11.2459 | 18.55 | .Q | V | . | . | . |
| 12.017 | 11.2715 | 18.58 | .Q | V | . | . | . |
| 12.033 | 11.2975 | 18.83 | .Q | V | . | . | . |
| 12.050 | 11.3239 | 19.22 | .Q | V | . | . | . |
| 12.067 | 11.3509 | 19.60 | .Q | V | . | . | . |
| 12.083 | 11.3785 | 19.99 | .Q | V | . | . | . |
| 12.100 | 11.4065 | 20.37 | .Q | V | . | . | . |
| 12.117 | 11.4351 | 20.76 | .Q | V | . | . | . |
| 12.133 | 11.4642 | 21.15 | .Q | V | . | . | . |
| 12.150 | 11.4939 | 21.53 | .Q | V | . | . | . |
| 12.167 | 11.5241 | 21.92 | .Q | V | . | . | . |
| 12.183 | 11.5548 | 22.30 | .Q | V | . | . | . |
| 12.200 | 11.5861 | 22.69 | .Q | V | . | . | . |
| 12.217 | 11.6178 | 23.07 | .Q | V | . | . | . |
| 12.233 | 11.6501 | 23.46 | .Q | V | . | . | . |
| 12.250 | 11.6830 | 23.84 | .Q | V | . | . | . |
| 12.267 | 11.7164 | 24.23 | .Q | V | . | . | . |
| 12.283 | 11.7503 | 24.62 | .Q | V | . | . | . |
| 12.300 | 11.7847 | 25.00 | .Q | V | . | . | . |
| 12.317 | 11.8194 | 25.20 | .Q | V | . | . | . |
| 12.333 | 11.8542 | 25.24 | .Q | V | . | . | . |
| 12.350 | 11.8890 | 25.28 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.367 | 11.9239 | 25.32 | .Q | V | . | . | . |
| 12.383 | 11.9588 | 25.36 | .Q | V | . | . | . |
| 12.400 | 11.9938 | 25.40 | .Q | V | . | . | . |
| 12.417 | 12.0288 | 25.44 | .Q | V | . | . | . |
| 12.433 | 12.0639 | 25.48 | .Q | V | . | . | . |
| 12.450 | 12.0991 | 25.51 | .Q | V | . | . | . |
| 12.467 | 12.1343 | 25.55 | .Q | V | . | . | . |
| 12.483 | 12.1695 | 25.59 | .Q | V | . | . | . |
| 12.500 | 12.2048 | 25.63 | .Q | V | . | . | . |
| 12.517 | 12.2402 | 25.67 | .Q | V | . | . | . |
| 12.533 | 12.2756 | 25.71 | .Q | V | . | . | . |
| 12.550 | 12.3111 | 25.75 | .Q | V | . | . | . |
| 12.567 | 12.3466 | 25.79 | .Q | V | . | . | . |
| 12.583 | 12.3822 | 25.83 | .Q | V | . | . | . |
| 12.600 | 12.4178 | 25.89 | .Q | V | . | . | . |
| 12.617 | 12.4536 | 25.98 | .Q | V | . | . | . |
| 12.633 | 12.4895 | 26.07 | .Q | V | . | . | . |
| 12.650 | 12.5256 | 26.16 | .Q | V | . | . | . |
| 12.667 | 12.5617 | 26.25 | .Q | V | . | . | . |
| 12.683 | 12.5980 | 26.34 | .Q | V | . | . | . |
| 12.700 | 12.6344 | 26.43 | .Q | V | . | . | . |
| 12.717 | 12.6709 | 26.51 | .Q | V | . | . | . |
| 12.733 | 12.7075 | 26.60 | .Q | V | . | . | . |
| 12.750 | 12.7443 | 26.69 | .Q | V | . | . | . |
| 12.767 | 12.7812 | 26.78 | .Q | V | . | . | . |
| 12.783 | 12.8182 | 26.87 | .Q | V | . | . | . |
| 12.800 | 12.8553 | 26.96 | .Q | V | . | . | . |
| 12.817 | 12.8926 | 27.05 | .Q | V | . | . | . |
| 12.833 | 12.9300 | 27.14 | .Q | V | . | . | . |
| 12.850 | 12.9675 | 27.23 | .Q | V | . | . | . |
| 12.867 | 13.0051 | 27.32 | .Q | V | . | . | . |
| 12.883 | 13.0428 | 27.39 | .Q | .V | . | . | . |
| 12.900 | 13.0806 | 27.44 | .Q | .V | . | . | . |
| 12.917 | 13.1185 | 27.49 | .Q | .V | . | . | . |
| 12.933 | 13.1564 | 27.54 | .Q | .V | . | . | . |
| 12.950 | 13.1944 | 27.59 | .Q | .V | . | . | . |
| 12.967 | 13.2325 | 27.64 | .Q | .V | . | . | . |
| 12.983 | 13.2707 | 27.69 | .Q | .V | . | . | . |
| 13.000 | 13.3089 | 27.74 | .Q | .V | . | . | . |
| 13.017 | 13.3472 | 27.79 | .Q | .V | . | . | . |
| 13.033 | 13.3855 | 27.84 | .Q | .V | . | . | . |
| 13.050 | 13.4239 | 27.89 | .Q | .V | . | . | . |
| 13.067 | 13.4624 | 27.95 | .Q | .V | . | . | . |
| 13.083 | 13.5010 | 28.00 | .Q | .V | . | . | . |
| 13.100 | 13.5396 | 28.05 | .Q | .V | . | . | . |
| 13.117 | 13.5783 | 28.10 | .Q | .V | . | . | . |
| 13.133 | 13.6171 | 28.15 | .Q | .V | . | . | . |
| 13.150 | 13.6559 | 28.20 | .Q | .V | . | . | . |
| 13.167 | 13.6949 | 28.27 | .Q | .V | . | . | . |
| 13.183 | 13.7340 | 28.38 | .Q | .V | . | . | . |
| 13.200 | 13.7732 | 28.50 | .Q | .V | . | . | . |
| 13.217 | 13.8126 | 28.62 | .Q | .V | . | . | . |
| 13.233 | 13.8522 | 28.73 | .Q | .V | . | . | . |
| 13.250 | 13.8920 | 28.85 | .Q | .V | . | . | . |
| 13.267 | 13.9319 | 28.97 | .Q | .V | . | . | . |
| 13.283 | 13.9719 | 29.08 | .Q | .V | . | . | . |
| 13.300 | 14.0121 | 29.20 | .Q | .V | . | . | . |
| 13.317 | 14.0525 | 29.32 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.333 | 14.0931 | 29.43 | . Q | .V | . | . | . |
| 13.350 | 14.1338 | 29.55 | . Q | .V | . | . | . |
| 13.367 | 14.1746 | 29.67 | . Q | .V | . | . | . |
| 13.383 | 14.2157 | 29.78 | . Q | .V | . | . | . |
| 13.400 | 14.2568 | 29.90 | . Q | . V | . | . | . |
| 13.417 | 14.2982 | 30.02 | . Q | . V | . | . | . |
| 13.433 | 14.3397 | 30.13 | . Q | . V | . | . | . |
| 13.450 | 14.3814 | 30.24 | . Q | . V | . | . | . |
| 13.467 | 14.4231 | 30.31 | . Q | . V | . | . | . |
| 13.483 | 14.4649 | 30.38 | . Q | . V | . | . | . |
| 13.500 | 14.5069 | 30.44 | . Q | . V | . | . | . |
| 13.517 | 14.5489 | 30.51 | . Q | . V | . | . | . |
| 13.533 | 14.5910 | 30.58 | . Q | . V | . | . | . |
| 13.550 | 14.6332 | 30.65 | . Q | . V | . | . | . |
| 13.567 | 14.6755 | 30.72 | . Q | . V | . | . | . |
| 13.583 | 14.7180 | 30.78 | . Q | . V | . | . | . |
| 13.600 | 14.7604 | 30.85 | . Q | . V | . | . | . |
| 13.617 | 14.8030 | 30.92 | . Q | . V | . | . | . |
| 13.633 | 14.8457 | 30.99 | . Q | . V | . | . | . |
| 13.650 | 14.8885 | 31.06 | . Q | . V | . | . | . |
| 13.667 | 14.9314 | 31.12 | . Q | . V | . | . | . |
| 13.683 | 14.9743 | 31.19 | . Q | . V | . | . | . |
| 13.700 | 15.0174 | 31.26 | . Q | . V | . | . | . |
| 13.717 | 15.0605 | 31.33 | . Q | . V | . | . | . |
| 13.733 | 15.1038 | 31.42 | . Q | . V | . | . | . |
| 13.750 | 15.1473 | 31.57 | . Q | . V | . | . | . |
| 13.767 | 15.1910 | 31.73 | . Q | . V | . | . | . |
| 13.783 | 15.2349 | 31.90 | . Q | . V | . | . | . |
| 13.800 | 15.2791 | 32.06 | . Q | . V | . | . | . |
| 13.817 | 15.3235 | 32.22 | . Q | . V | . | . | . |
| 13.833 | 15.3681 | 32.38 | . Q | . V | . | . | . |
| 13.850 | 15.4129 | 32.55 | . Q | . V | . | . | . |
| 13.867 | 15.4580 | 32.71 | . Q | . V | . | . | . |
| 13.883 | 15.5032 | 32.87 | . Q | . V | . | . | . |
| 13.900 | 15.5487 | 33.03 | . Q | . V | . | . | . |
| 13.917 | 15.5945 | 33.19 | . Q | . V | . | . | . |
| 13.933 | 15.6404 | 33.36 | . Q | . V | . | . | . |
| 13.950 | 15.6866 | 33.52 | . Q | . V | . | . | . |
| 13.967 | 15.7330 | 33.68 | . Q | . V | . | . | . |
| 13.983 | 15.7796 | 33.84 | . Q | . V | . | . | . |
| 14.000 | 15.8264 | 34.01 | . Q | . V | . | . | . |
| 14.017 | 15.8735 | 34.16 | . Q | . V | . | . | . |
| 14.033 | 15.9207 | 34.26 | . Q | . V | . | . | . |
| 14.050 | 15.9680 | 34.36 | . Q | . V | . | . | . |
| 14.067 | 16.0155 | 34.45 | . Q | . V | . | . | . |
| 14.083 | 16.0630 | 34.55 | . Q | . V | . | . | . |
| 14.100 | 16.1108 | 34.65 | . Q | . V | . | . | . |
| 14.117 | 16.1586 | 34.74 | . Q | . V | . | . | . |
| 14.133 | 16.2066 | 34.84 | . Q | . V | . | . | . |
| 14.150 | 16.2547 | 34.94 | . Q | . V | . | . | . |
| 14.167 | 16.3030 | 35.03 | . Q | . V | . | . | . |
| 14.183 | 16.3514 | 35.13 | . Q | . V | . | . | . |
| 14.200 | 16.3999 | 35.23 | . Q | . V | . | . | . |
| 14.217 | 16.4485 | 35.32 | . Q | . V | . | . | . |
| 14.233 | 16.4973 | 35.42 | . Q | . V | . | . | . |
| 14.250 | 16.5463 | 35.51 | . Q | . V | . | . | . |
| 14.267 | 16.5953 | 35.61 | . Q | . V | . | . | . |
| 14.283 | 16.6445 | 35.71 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.300 | 16.6938 | 35.82 | . Q | . V | . | . | . |
| 14.317 | 16.7435 | 36.05 | . Q | . V | . | . | . |
| 14.333 | 16.7935 | 36.29 | . Q | . V | . | . | . |
| 14.350 | 16.8438 | 36.54 | . Q | . V | . | . | . |
| 14.367 | 16.8945 | 36.79 | . Q | . V | . | . | . |
| 14.383 | 16.9455 | 37.03 | . Q | . V | . | . | . |
| 14.400 | 16.9968 | 37.28 | . Q | . V | . | . | . |
| 14.417 | 17.0485 | 37.52 | . Q | . V | . | . | . |
| 14.433 | 17.1005 | 37.77 | . Q | . V | . | . | . |
| 14.450 | 17.1529 | 38.02 | . Q | . V | . | . | . |
| 14.467 | 17.2056 | 38.26 | . Q | . V | . | . | . |
| 14.483 | 17.2586 | 38.51 | . Q | . V | . | . | . |
| 14.500 | 17.3120 | 38.75 | . Q | . V | . | . | . |
| 14.517 | 17.3657 | 39.00 | . Q | . V | . | . | . |
| 14.533 | 17.4198 | 39.25 | . Q | . V | . | . | . |
| 14.550 | 17.4742 | 39.49 | . Q | . V | . | . | . |
| 14.567 | 17.5289 | 39.74 | . Q | . V | . | . | . |
| 14.583 | 17.5840 | 39.98 | . Q | . V | . | . | . |
| 14.600 | 17.6393 | 40.15 | . Q | . V | . | . | . |
| 14.617 | 17.6948 | 40.31 | . Q | . V | . | . | . |
| 14.633 | 17.7506 | 40.47 | . Q | . V | . | . | . |
| 14.650 | 17.8065 | 40.63 | . Q | . V | . | . | . |
| 14.667 | 17.8627 | 40.79 | . Q | . V | . | . | . |
| 14.683 | 17.9191 | 40.95 | . Q | . V | . | . | . |
| 14.700 | 17.9758 | 41.12 | . Q | . V | . | . | . |
| 14.717 | 18.0326 | 41.28 | . Q | . V | . | . | . |
| 14.733 | 18.0897 | 41.44 | . Q | . V | . | . | . |
| 14.750 | 18.1470 | 41.60 | . Q | . V | . | . | . |
| 14.767 | 18.2045 | 41.76 | . Q | . V | . | . | . |
| 14.783 | 18.2622 | 41.92 | . Q | . V | . | . | . |
| 14.800 | 18.3202 | 42.08 | . Q | . V | . | . | . |
| 14.817 | 18.3784 | 42.24 | . Q | . V | . | . | . |
| 14.833 | 18.4368 | 42.40 | . Q | . V | . | . | . |
| 14.850 | 18.4954 | 42.56 | . Q | . V | . | . | . |
| 14.867 | 18.5543 | 42.74 | . Q | . V | . | . | . |
| 14.883 | 18.6137 | 43.16 | . Q | . V | . | . | . |
| 14.900 | 18.6739 | 43.67 | . Q | . V | . | . | . |
| 14.917 | 18.7347 | 44.17 | . Q | . V | . | . | . |
| 14.933 | 18.7963 | 44.68 | . Q | . V | . | . | . |
| 14.950 | 18.8585 | 45.18 | . Q | . V | . | . | . |
| 14.967 | 18.9214 | 45.69 | . Q | . V | . | . | . |
| 14.983 | 18.9851 | 46.19 | . Q | . V | . | . | . |
| 15.000 | 19.0494 | 46.70 | . Q | . V | . | . | . |
| 15.017 | 19.1144 | 47.20 | . Q | . V | . | . | . |
| 15.033 | 19.1801 | 47.71 | . Q | . V | . | . | . |
| 15.050 | 19.2465 | 48.21 | . Q | . V | . | . | . |
| 15.067 | 19.3136 | 48.72 | . Q | . V | . | . | . |
| 15.083 | 19.3814 | 49.22 | . Q | . V | . | . | . |
| 15.100 | 19.4499 | 49.73 | . Q | . V | . | . | . |
| 15.117 | 19.5191 | 50.23 | . Q | . V | . | . | . |
| 15.133 | 19.5890 | 50.74 | . Q | . V | . | . | . |
| 15.150 | 19.6596 | 51.24 | . Q | . V | . | . | . |
| 15.167 | 19.7309 | 51.75 | . Q | . V | . | . | . |
| 15.183 | 19.8028 | 52.25 | . Q | . V | . | . | . |
| 15.200 | 19.8755 | 52.75 | . Q | . V | . | . | . |
| 15.217 | 19.9488 | 53.25 | . Q | . V | . | . | . |
| 15.233 | 20.0228 | 53.75 | . Q | . V | . | . | . |
| 15.250 | 20.0976 | 54.25 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|----|------|----|---|---|---|
| 15.267 | 20.1730 | 54.75 | . | Q | . | V | . | . | . |
| 15.283 | 20.2491 | 55.25 | . | Q | . | V | . | . | . |
| 15.300 | 20.3259 | 55.75 | . | Q | . | V | . | . | . |
| 15.317 | 20.4033 | 56.25 | . | Q | . | V | . | . | . |
| 15.333 | 20.4815 | 56.75 | . | Q | . | V | . | . | . |
| 15.350 | 20.5603 | 57.25 | . | Q | . | V | . | . | . |
| 15.367 | 20.6399 | 57.75 | . | Q | . | V | . | . | . |
| 15.383 | 20.7201 | 58.25 | . | Q | . | V | . | . | . |
| 15.400 | 20.8010 | 58.75 | . | Q | . | V | . | . | . |
| 15.417 | 20.8826 | 59.25 | . | Q | . | V | . | . | . |
| 15.433 | 20.9650 | 59.76 | . | Q | . | V | . | . | . |
| 15.450 | 21.0484 | 60.59 | . | Q | . | V | . | . | . |
| 15.467 | 21.1333 | 61.61 | . | Q | . | V | . | . | . |
| 15.483 | 21.2195 | 62.63 | . | Q | . | V | . | . | . |
| 15.500 | 21.3072 | 63.65 | . | Q | . | V | . | . | . |
| 15.517 | 21.3963 | 64.67 | . | Q | . | V | . | . | . |
| 15.533 | 21.4868 | 65.69 | . | Q | . | V | . | . | . |
| 15.550 | 21.5787 | 66.71 | . | Q | . | V | . | . | . |
| 15.567 | 21.6720 | 67.73 | . | Q | . | V | . | . | . |
| 15.583 | 21.7667 | 68.75 | . | Q | . | V | . | . | . |
| 15.600 | 21.8628 | 69.77 | . | Q | . | V | . | . | . |
| 15.617 | 21.9603 | 70.79 | . | Q | . | V | . | . | . |
| 15.633 | 22.0592 | 71.81 | . | Q | . | V | . | . | . |
| 15.650 | 22.1595 | 72.83 | . | Q | . | V | . | . | . |
| 15.667 | 22.2612 | 73.85 | . | Q | . | V | . | . | . |
| 15.683 | 22.3643 | 74.87 | . | Q | . | V | . | . | . |
| 15.700 | 22.4689 | 75.89 | . | Q | . | V | . | . | . |
| 15.717 | 22.5748 | 76.91 | . | Q | . | V | . | . | . |
| 15.733 | 22.6834 | 78.82 | . | Q | . | V | . | . | . |
| 15.750 | 22.7955 | 81.37 | . | Q | . | V | . | . | . |
| 15.767 | 22.9111 | 83.93 | . | Q | . | V | . | . | . |
| 15.783 | 23.0302 | 86.49 | . | Q | . | V | . | . | . |
| 15.800 | 23.1528 | 89.04 | . | Q | . | V | . | . | . |
| 15.817 | 23.2790 | 91.60 | . | Q | . | V | . | . | . |
| 15.833 | 23.4087 | 94.16 | . | Q | . | V | . | . | . |
| 15.850 | 23.5419 | 96.71 | . | Q | . | V | . | . | . |
| 15.867 | 23.6786 | 99.27 | . | Q | . | V | . | . | . |
| 15.883 | 23.8189 | 101.83 | . | Q | . | V | . | . | . |
| 15.900 | 23.9627 | 104.38 | . | Q | . | V | . | . | . |
| 15.917 | 24.1100 | 106.94 | . | Q | . | V | . | . | . |
| 15.933 | 24.2608 | 109.50 | . | Q | . | V | . | . | . |
| 15.950 | 24.4151 | 112.05 | . | .Q | . | V | . | . | . |
| 15.967 | 24.5730 | 114.61 | . | .Q | . | V | . | . | . |
| 15.983 | 24.7344 | 117.16 | . | .Q | . | V | . | . | . |
| 16.000 | 24.8993 | 119.72 | . | .Q | . | .V | . | . | . |
| 16.017 | 25.0772 | 129.15 | . | .Q | . | .V | . | . | . |
| 16.033 | 25.2775 | 145.46 | . | . | Q | .V | . | . | . |
| 16.050 | 25.5004 | 161.77 | . | . | Q | .V | . | . | . |
| 16.067 | 25.7456 | 178.08 | . | . | Q | .V | . | . | . |
| 16.083 | 26.0134 | 194.38 | . | . | Q.V | . | . | . | . |
| 16.100 | 26.3036 | 210.69 | . | . | .QV | . | . | . | . |
| 16.117 | 26.6163 | 227.00 | . | . | .Q | . | . | . | . |
| 16.133 | 26.9514 | 243.31 | . | . | .V Q | . | . | . | . |
| 16.150 | 27.3090 | 259.61 | . | . | .V Q | . | . | . | . |
| 16.167 | 27.6891 | 275.92 | . | . | .V Q | . | . | . | . |
| 16.183 | 28.0916 | 292.23 | . | . | .V Q | . | . | . | . |
| 16.200 | 28.5165 | 308.54 | . | . | .V Q | . | . | . | . |
| 16.217 | 28.9640 | 324.84 | . | . | .V Q | . | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|------|---|---|---|
| 16.233 | 29.4339 | 341.15 | . | . | . | V | . | Q | . |
| 16.250 | 29.9263 | 357.46 | . | . | . | V | . | Q | . |
| 16.267 | 30.4411 | 373.77 | . | . | . | V | . | Q | . |
| 16.283 | 30.9784 | 390.07 | . | . | . | V | . | Q | . |
| 16.300 | 31.5287 | 399.53 | . | . | . | V | . | Q | . |
| 16.317 | 32.0407 | 371.73 | . | . | . | V | . | Q | . |
| 16.333 | 32.5258 | 352.14 | . | . | . | V | . | Q | . |
| 16.350 | 32.9838 | 332.56 | . | . | . | V | . | Q | . |
| 16.367 | 33.4149 | 312.98 | . | . | . | V .Q | . | . | . |
| 16.383 | 33.8191 | 293.40 | . | . | . | VQ. | . | . | . |
| 16.400 | 34.1962 | 273.82 | . | . | . | QV | . | . | . |
| 16.417 | 34.5464 | 254.24 | . | . | . | Q V | . | . | . |
| 16.433 | 34.8696 | 234.66 | . | . | . | Q V | . | . | . |
| 16.450 | 35.1659 | 215.07 | . | . | . | .Q V | . | . | . |
| 16.467 | 35.4352 | 195.49 | . | . | . | Q V | . | . | . |
| 16.483 | 35.6775 | 175.91 | . | . | . | Q V | . | . | . |
| 16.500 | 35.8928 | 156.33 | . | . | . | Q V | . | . | . |
| 16.517 | 36.0812 | 136.75 | . | . | . | Q V | . | . | . |
| 16.533 | 36.2425 | 117.17 | . | . | . | .Q V | . | . | . |
| 16.550 | 36.3770 | 97.59 | . | . | . | Q V | . | . | . |
| 16.567 | 36.4844 | 78.00 | . | . | . | Q V | . | . | . |
| 16.583 | 36.5739 | 64.94 | . | . | . | Q V | . | . | . |
| 16.600 | 36.6614 | 63.59 | . | . | . | Q V | . | . | . |
| 16.617 | 36.7475 | 62.48 | . | . | . | Q V | . | . | . |
| 16.633 | 36.8321 | 61.37 | . | . | . | Q V | . | . | . |
| 16.650 | 36.9151 | 60.26 | . | . | . | Q V | . | . | . |
| 16.667 | 36.9965 | 59.15 | . | . | . | Q V | . | . | . |
| 16.683 | 37.0765 | 58.04 | . | . | . | Q V | . | . | . |
| 16.700 | 37.1549 | 56.93 | . | . | . | Q V | . | . | . |
| 16.717 | 37.2318 | 55.82 | . | . | . | Q V | . | . | . |
| 16.733 | 37.3072 | 54.71 | . | . | . | Q V | . | . | . |
| 16.750 | 37.3810 | 53.60 | . | . | . | Q V | . | . | . |
| 16.767 | 37.4533 | 52.49 | . | . | . | Q V | . | . | . |
| 16.783 | 37.5241 | 51.38 | . | . | . | Q V | . | . | . |
| 16.800 | 37.5933 | 50.27 | . | . | . | Q V | . | . | . |
| 16.817 | 37.6610 | 49.16 | . | . | . | Q V | . | . | . |
| 16.833 | 37.7272 | 48.05 | . | . | . | Q V | . | . | . |
| 16.850 | 37.7918 | 46.94 | . | . | . | Q V | . | . | . |
| 16.867 | 37.8552 | 46.00 | . | . | . | Q V | . | . | . |
| 16.883 | 37.9179 | 45.49 | . | . | . | Q V | . | . | . |
| 16.900 | 37.9798 | 45.00 | . | . | . | Q V | . | . | . |
| 16.917 | 38.0412 | 44.51 | . | . | . | Q V | . | . | . |
| 16.933 | 38.1018 | 44.02 | . | . | . | Q V | . | . | . |
| 16.950 | 38.1618 | 43.53 | . | . | . | Q V | . | . | . |
| 16.967 | 38.2210 | 43.04 | . | . | . | Q V | . | . | . |
| 16.983 | 38.2796 | 42.55 | . | . | . | Q V | . | . | . |
| 17.000 | 38.3376 | 42.06 | . | . | . | Q V | . | . | . |
| 17.017 | 38.3948 | 41.56 | . | . | . | Q V | . | . | . |
| 17.033 | 38.4514 | 41.07 | . | . | . | Q V | . | . | . |
| 17.050 | 38.5073 | 40.58 | . | . | . | Q V | . | . | . |
| 17.067 | 38.5625 | 40.09 | . | . | . | Q V | . | . | . |
| 17.083 | 38.6171 | 39.60 | . | . | . | Q V | . | . | . |
| 17.100 | 38.6709 | 39.11 | . | . | . | Q V | . | . | . |
| 17.117 | 38.7241 | 38.62 | . | . | . | Q V | . | . | . |
| 17.133 | 38.7766 | 38.12 | . | . | . | Q V | . | . | . |
| 17.150 | 38.8285 | 37.68 | . | . | . | Q V | . | . | . |
| 17.167 | 38.8800 | 37.37 | . | . | . | Q V | . | . | . |
| 17.183 | 38.9311 | 37.08 | . | . | . | Q V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 17.200 | 38.9817 | 36.78 | . Q | . | . | . V | . |
| 17.217 | 39.0320 | 36.49 | . Q | . | . | . V | . |
| 17.233 | 39.0819 | 36.20 | . Q | . | . | . V | . |
| 17.250 | 39.1313 | 35.90 | . Q | . | . | . V | . |
| 17.267 | 39.1804 | 35.61 | . Q | . | . | . V | . |
| 17.283 | 39.2290 | 35.31 | . Q | . | . | . V | . |
| 17.300 | 39.2772 | 35.02 | . Q | . | . | . V | . |
| 17.317 | 39.3251 | 34.72 | . Q | . | . | . V | . |
| 17.333 | 39.3725 | 34.43 | . Q | . | . | . V | . |
| 17.350 | 39.4195 | 34.13 | . Q | . | . | . V | . |
| 17.367 | 39.4661 | 33.84 | . Q | . | . | . V | . |
| 17.383 | 39.5123 | 33.54 | . Q | . | . | . V | . |
| 17.400 | 39.5581 | 33.25 | . Q | . | . | . V | . |
| 17.417 | 39.6035 | 32.95 | . Q | . | . | . V | . |
| 17.433 | 39.6485 | 32.67 | . Q | . | . | . V | . |
| 17.450 | 39.6932 | 32.46 | . Q | . | . | . V | . |
| 17.467 | 39.7376 | 32.26 | . Q | . | . | . V | . |
| 17.483 | 39.7818 | 32.05 | . Q | . | . | . V | . |
| 17.500 | 39.8256 | 31.85 | . Q | . | . | . V | . |
| 17.517 | 39.8692 | 31.64 | . Q | . | . | . V | . |
| 17.533 | 39.9125 | 31.44 | . Q | . | . | . V | . |
| 17.550 | 39.9555 | 31.23 | . Q | . | . | . V | . |
| 17.567 | 39.9983 | 31.02 | . Q | . | . | . V | . |
| 17.583 | 40.0407 | 30.82 | . Q | . | . | . V | . |
| 17.600 | 40.0829 | 30.61 | . Q | . | . | . V | . |
| 17.617 | 40.1248 | 30.41 | . Q | . | . | . V | . |
| 17.633 | 40.1664 | 30.20 | . Q | . | . | . V | . |
| 17.650 | 40.2077 | 30.00 | . Q | . | . | . V | . |
| 17.667 | 40.2487 | 29.79 | . Q | . | . | . V | . |
| 17.683 | 40.2895 | 29.59 | . Q | . | . | . V | . |
| 17.700 | 40.3300 | 29.38 | . Q | . | . | . V | . |
| 17.717 | 40.3701 | 29.18 | . Q | . | . | . V | . |
| 17.733 | 40.4101 | 29.02 | . Q | . | . | . V | . |
| 17.750 | 40.4499 | 28.87 | . Q | . | . | . V | . |
| 17.767 | 40.4895 | 28.72 | . Q | . | . | . V | . |
| 17.783 | 40.5288 | 28.57 | . Q | . | . | . V | . |
| 17.800 | 40.5679 | 28.42 | . Q | . | . | . V | . |
| 17.817 | 40.6069 | 28.26 | . Q | . | . | . V | . |
| 17.833 | 40.6456 | 28.11 | . Q | . | . | . V | . |
| 17.850 | 40.6841 | 27.96 | . Q | . | . | . V | . |
| 17.867 | 40.7224 | 27.81 | . Q | . | . | . V | . |
| 17.883 | 40.7605 | 27.65 | . Q | . | . | . V | . |
| 17.900 | 40.7984 | 27.50 | . Q | . | . | . V | . |
| 17.917 | 40.8360 | 27.35 | . Q | . | . | . V | . |
| 17.933 | 40.8735 | 27.20 | . Q | . | . | . V | . |
| 17.950 | 40.9108 | 27.05 | . Q | . | . | . V | . |
| 17.967 | 40.9478 | 26.89 | . Q | . | . | . V | . |
| 17.983 | 40.9846 | 26.74 | . Q | . | . | . V | . |
| 18.000 | 41.0212 | 26.56 | . Q | . | . | . V | . |
| 18.017 | 41.0573 | 26.19 | . Q | . | . | . V | . |
| 18.033 | 41.0928 | 25.78 | . Q | . | . | . V | . |
| 18.050 | 41.1278 | 25.37 | . Q | . | . | . V | . |
| 18.067 | 41.1621 | 24.96 | . Q | . | . | . V | . |
| 18.083 | 41.1960 | 24.55 | . Q | . | . | . V | . |
| 18.100 | 41.2292 | 24.14 | . Q | . | . | . V | . |
| 18.117 | 41.2619 | 23.73 | . Q | . | . | . V | . |
| 18.133 | 41.2940 | 23.31 | . Q | . | . | . V | . |
| 18.150 | 41.3255 | 22.90 | . Q | . | . | . V | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|-----|---|
| 18.167 | 41.3565 | 22.49 | . Q | . | . | . V | . |
| 18.183 | 41.3869 | 22.08 | . Q | . | . | . V | . |
| 18.200 | 41.4168 | 21.67 | . Q | . | . | . V | . |
| 18.217 | 41.4461 | 21.26 | . Q | . | . | . V | . |
| 18.233 | 41.4748 | 20.85 | . Q | . | . | . V | . |
| 18.250 | 41.5029 | 20.43 | . Q | . | . | . V | . |
| 18.267 | 41.5305 | 20.02 | . Q | . | . | . V | . |
| 18.283 | 41.5575 | 19.63 | . Q | . | . | . V | . |
| 18.300 | 41.5843 | 19.46 | . Q | . | . | . V | . |
| 18.317 | 41.6110 | 19.34 | . Q | . | . | . V | . |
| 18.333 | 41.6375 | 19.23 | . Q | . | . | . V | . |
| 18.350 | 41.6638 | 19.12 | . Q | . | . | . V | . |
| 18.367 | 41.6900 | 19.00 | . Q | . | . | . V | . |
| 18.383 | 41.7160 | 18.89 | . Q | . | . | . V | . |
| 18.400 | 41.7419 | 18.78 | . Q | . | . | . V | . |
| 18.417 | 41.7676 | 18.66 | . Q | . | . | . V | . |
| 18.433 | 41.7931 | 18.55 | . Q | . | . | . V | . |
| 18.450 | 41.8185 | 18.44 | . Q | . | . | . V | . |
| 18.467 | 41.8438 | 18.32 | . Q | . | . | . V | . |
| 18.483 | 41.8689 | 18.21 | . Q | . | . | . V | . |
| 18.500 | 41.8938 | 18.10 | . Q | . | . | . V | . |
| 18.517 | 41.9186 | 17.98 | . Q | . | . | . V | . |
| 18.533 | 41.9432 | 17.87 | . Q | . | . | . V | . |
| 18.550 | 41.9676 | 17.76 | . Q | . | . | . V | . |
| 18.567 | 41.9919 | 17.65 | . Q | . | . | . V | . |
| 18.583 | 42.0161 | 17.56 | . Q | . | . | . V | . |
| 18.600 | 42.0402 | 17.49 | . Q | . | . | . V | . |
| 18.617 | 42.0642 | 17.42 | . Q | . | . | . V | . |
| 18.633 | 42.0881 | 17.35 | . Q | . | . | . V | . |
| 18.650 | 42.1119 | 17.27 | . Q | . | . | . V | . |
| 18.667 | 42.1356 | 17.20 | . Q | . | . | . V | . |
| 18.683 | 42.1592 | 17.13 | . Q | . | . | . V | . |
| 18.700 | 42.1827 | 17.06 | . Q | . | . | . V | . |
| 18.717 | 42.2061 | 16.98 | . Q | . | . | . V | . |
| 18.733 | 42.2294 | 16.91 | . Q | . | . | . V | . |
| 18.750 | 42.2526 | 16.84 | . Q | . | . | . V | . |
| 18.767 | 42.2757 | 16.77 | . Q | . | . | . V | . |
| 18.783 | 42.2986 | 16.69 | . Q | . | . | . V | . |
| 18.800 | 42.3215 | 16.62 | . Q | . | . | . V | . |
| 18.817 | 42.3443 | 16.55 | . Q | . | . | . V | . |
| 18.833 | 42.3670 | 16.48 | . Q | . | . | . V | . |
| 18.850 | 42.3896 | 16.40 | . Q | . | . | . V | . |
| 18.867 | 42.4121 | 16.34 | . Q | . | . | . V | . |
| 18.883 | 42.4346 | 16.28 | . Q | . | . | . V | . |
| 18.900 | 42.4569 | 16.22 | . Q | . | . | . V | . |
| 18.917 | 42.4791 | 16.16 | . Q | . | . | . V | . |
| 18.933 | 42.5013 | 16.10 | . Q | . | . | . V | . |
| 18.950 | 42.5234 | 16.04 | . Q | . | . | . V | . |
| 18.967 | 42.5454 | 15.97 | . Q | . | . | . V | . |
| 18.983 | 42.5673 | 15.91 | . Q | . | . | . V | . |
| 19.000 | 42.5892 | 15.85 | . Q | . | . | . V | . |
| 19.017 | 42.6109 | 15.79 | . Q | . | . | . V | . |
| 19.033 | 42.6326 | 15.73 | . Q | . | . | . V | . |
| 19.050 | 42.6542 | 15.67 | . Q | . | . | . V | . |
| 19.067 | 42.6757 | 15.61 | . Q | . | . | . V | . |
| 19.083 | 42.6971 | 15.55 | . Q | . | . | . V | . |
| 19.100 | 42.7184 | 15.49 | . Q | . | . | . V | . |
| 19.117 | 42.7397 | 15.43 | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 19.133 | 42.7609 | 15.37 | .Q | . | . | . | V | . |
| 19.150 | 42.7819 | 15.31 | .Q | . | . | . | V | . |
| 19.167 | 42.8030 | 15.26 | .Q | . | . | . | V | . |
| 19.183 | 42.8239 | 15.21 | .Q | . | . | . | V | . |
| 19.200 | 42.8448 | 15.16 | .Q | . | . | . | V | . |
| 19.217 | 42.8656 | 15.11 | .Q | . | . | . | V | . |
| 19.233 | 42.8863 | 15.06 | .Q | . | . | . | V | . |
| 19.250 | 42.9070 | 15.00 | .Q | . | . | . | V | . |
| 19.267 | 42.9276 | 14.95 | .Q | . | . | . | V | . |
| 19.283 | 42.9481 | 14.90 | .Q | . | . | . | V | . |
| 19.300 | 42.9686 | 14.85 | .Q | . | . | . | V | . |
| 19.317 | 42.9890 | 14.80 | .Q | . | . | . | V | . |
| 19.333 | 43.0093 | 14.75 | .Q | . | . | . | V | . |
| 19.350 | 43.0295 | 14.69 | .Q | . | . | . | V | . |
| 19.367 | 43.0497 | 14.64 | .Q | . | . | . | V | . |
| 19.383 | 43.0698 | 14.59 | .Q | . | . | . | V | . |
| 19.400 | 43.0898 | 14.54 | .Q | . | . | . | V | . |
| 19.417 | 43.1098 | 14.49 | .Q | . | . | . | V | . |
| 19.433 | 43.1296 | 14.44 | .Q | . | . | . | V | . |
| 19.450 | 43.1495 | 14.39 | .Q | . | . | . | V | . |
| 19.467 | 43.1692 | 14.35 | .Q | . | . | . | V | . |
| 19.483 | 43.1889 | 14.31 | .Q | . | . | . | V | . |
| 19.500 | 43.2086 | 14.26 | .Q | . | . | . | V | . |
| 19.517 | 43.2282 | 14.22 | .Q | . | . | . | V | . |
| 19.533 | 43.2477 | 14.17 | .Q | . | . | . | V | . |
| 19.550 | 43.2671 | 14.13 | .Q | . | . | . | V | . |
| 19.567 | 43.2865 | 14.08 | .Q | . | . | . | V | . |
| 19.583 | 43.3059 | 14.04 | .Q | . | . | . | V | . |
| 19.600 | 43.3252 | 13.99 | .Q | . | . | . | V | . |
| 19.617 | 43.3444 | 13.95 | .Q | . | . | . | V | . |
| 19.633 | 43.3635 | 13.90 | .Q | . | . | . | V | . |
| 19.650 | 43.3826 | 13.86 | .Q | . | . | . | V | . |
| 19.667 | 43.4016 | 13.81 | .Q | . | . | . | V | . |
| 19.683 | 43.4206 | 13.77 | .Q | . | . | . | V | . |
| 19.700 | 43.4395 | 13.73 | .Q | . | . | . | V | . |
| 19.717 | 43.4584 | 13.68 | .Q | . | . | . | V | . |
| 19.733 | 43.4771 | 13.64 | .Q | . | . | . | V | . |
| 19.750 | 43.4959 | 13.61 | .Q | . | . | . | V | . |
| 19.767 | 43.5146 | 13.57 | .Q | . | . | . | V | . |
| 19.783 | 43.5332 | 13.53 | .Q | . | . | . | V | . |
| 19.800 | 43.5518 | 13.49 | .Q | . | . | . | V | . |
| 19.817 | 43.5703 | 13.45 | .Q | . | . | . | V | . |
| 19.833 | 43.5888 | 13.41 | .Q | . | . | . | V | . |
| 19.850 | 43.6072 | 13.37 | .Q | . | . | . | V | . |
| 19.867 | 43.6256 | 13.33 | .Q | . | . | . | V | . |
| 19.883 | 43.6439 | 13.29 | .Q | . | . | . | V | . |
| 19.900 | 43.6621 | 13.25 | .Q | . | . | . | V | . |
| 19.917 | 43.6803 | 13.22 | .Q | . | . | . | V | . |
| 19.933 | 43.6985 | 13.18 | .Q | . | . | . | V | . |
| 19.950 | 43.7166 | 13.14 | .Q | . | . | . | V | . |
| 19.967 | 43.7346 | 13.10 | .Q | . | . | . | V | . |
| 19.983 | 43.7526 | 13.06 | .Q | . | . | . | V | . |
| 20.000 | 43.7705 | 13.02 | .Q | . | . | . | V | . |
| 20.017 | 43.7884 | 12.99 | .Q | . | . | . | V | . |
| 20.033 | 43.8063 | 12.95 | .Q | . | . | . | V | . |
| 20.050 | 43.8241 | 12.92 | .Q | . | . | . | V | . |
| 20.067 | 43.8418 | 12.88 | .Q | . | . | . | V | . |
| 20.083 | 43.8595 | 12.85 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 20.100 | 43.8772 | 12.82 | .Q | . | . | . | V | . |
| 20.117 | 43.8948 | 12.78 | .Q | . | . | . | V | . |
| 20.133 | 43.9123 | 12.75 | .Q | . | . | . | V | . |
| 20.150 | 43.9298 | 12.71 | .Q | . | . | . | V | . |
| 20.167 | 43.9473 | 12.68 | .Q | . | . | . | V | . |
| 20.183 | 43.9647 | 12.64 | .Q | . | . | . | V | . |
| 20.200 | 43.9821 | 12.61 | .Q | . | . | . | V | . |
| 20.217 | 43.9994 | 12.57 | .Q | . | . | . | V | . |
| 20.233 | 44.0167 | 12.54 | .Q | . | . | . | V | . |
| 20.250 | 44.0339 | 12.51 | .Q | . | . | . | V | . |
| 20.267 | 44.0511 | 12.47 | .Q | . | . | . | V | . |
| 20.283 | 44.0682 | 12.44 | .Q | . | . | . | V | . |
| 20.300 | 44.0853 | 12.41 | .Q | . | . | . | V | . |
| 20.317 | 44.1023 | 12.38 | .Q | . | . | . | V | . |
| 20.333 | 44.1194 | 12.35 | .Q | . | . | . | V | . |
| 20.350 | 44.1363 | 12.31 | .Q | . | . | . | V | . |
| 20.367 | 44.1532 | 12.28 | .Q | . | . | . | V | . |
| 20.383 | 44.1701 | 12.25 | .Q | . | . | . | V | . |
| 20.400 | 44.1869 | 12.22 | .Q | . | . | . | V | . |
| 20.417 | 44.2037 | 12.19 | .Q | . | . | . | V | . |
| 20.433 | 44.2205 | 12.16 | .Q | . | . | . | V | . |
| 20.450 | 44.2372 | 12.13 | .Q | . | . | . | V | . |
| 20.467 | 44.2539 | 12.10 | .Q | . | . | . | V | . |
| 20.483 | 44.2705 | 12.07 | .Q | . | . | . | V | . |
| 20.500 | 44.2871 | 12.04 | .Q | . | . | . | V | . |
| 20.517 | 44.3036 | 12.01 | .Q | . | . | . | V | . |
| 20.533 | 44.3201 | 11.98 | .Q | . | . | . | V | . |
| 20.550 | 44.3366 | 11.95 | .Q | . | . | . | V | . |
| 20.567 | 44.3530 | 11.92 | .Q | . | . | . | V | . |
| 20.583 | 44.3694 | 11.89 | .Q | . | . | . | V | . |
| 20.600 | 44.3857 | 11.86 | .Q | . | . | . | V | . |
| 20.617 | 44.4020 | 11.83 | .Q | . | . | . | V | . |
| 20.633 | 44.4183 | 11.81 | .Q | . | . | . | V | . |
| 20.650 | 44.4345 | 11.78 | .Q | . | . | . | V | . |
| 20.667 | 44.4507 | 11.75 | .Q | . | . | . | V | . |
| 20.683 | 44.4668 | 11.72 | .Q | . | . | . | V | . |
| 20.700 | 44.4829 | 11.70 | .Q | . | . | . | V | . |
| 20.717 | 44.4990 | 11.67 | .Q | . | . | . | V | . |
| 20.733 | 44.5150 | 11.64 | .Q | . | . | . | V | . |
| 20.750 | 44.5310 | 11.61 | .Q | . | . | . | V | . |
| 20.767 | 44.5470 | 11.59 | .Q | . | . | . | V | . |
| 20.783 | 44.5629 | 11.56 | .Q | . | . | . | V | . |
| 20.800 | 44.5788 | 11.53 | .Q | . | . | . | V | . |
| 20.817 | 44.5946 | 11.50 | .Q | . | . | . | V | . |
| 20.833 | 44.6104 | 11.48 | .Q | . | . | . | V | . |
| 20.850 | 44.6262 | 11.45 | .Q | . | . | . | V | . |
| 20.867 | 44.6419 | 11.42 | .Q | . | . | . | V | . |
| 20.883 | 44.6576 | 11.40 | .Q | . | . | . | V | . |
| 20.900 | 44.6733 | 11.37 | .Q | . | . | . | V | . |
| 20.917 | 44.6889 | 11.35 | .Q | . | . | . | V | . |
| 20.933 | 44.7045 | 11.32 | .Q | . | . | . | V | . |
| 20.950 | 44.7201 | 11.30 | .Q | . | . | . | V | . |
| 20.967 | 44.7356 | 11.27 | .Q | . | . | . | V | . |
| 20.983 | 44.7511 | 11.25 | .Q | . | . | . | V | . |
| 21.000 | 44.7666 | 11.22 | .Q | . | . | . | V | . |
| 21.017 | 44.7820 | 11.20 | .Q | . | . | . | V | . |
| 21.033 | 44.7974 | 11.17 | .Q | . | . | . | V | . |
| 21.050 | 44.8128 | 11.15 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 21.067 | 44.8281 | 11.12 | .Q | . | . | . | V | . |
| 21.083 | 44.8434 | 11.10 | .Q | . | . | . | V | . |
| 21.100 | 44.8586 | 11.07 | .Q | . | . | . | V | . |
| 21.117 | 44.8738 | 11.05 | .Q | . | . | . | V | . |
| 21.133 | 44.8890 | 11.03 | .Q | . | . | . | V | . |
| 21.150 | 44.9042 | 11.00 | .Q | . | . | . | V | . |
| 21.167 | 44.9193 | 10.98 | .Q | . | . | . | V | . |
| 21.183 | 44.9344 | 10.96 | .Q | . | . | . | V | . |
| 21.200 | 44.9495 | 10.93 | .Q | . | . | . | V | . |
| 21.217 | 44.9645 | 10.91 | .Q | . | . | . | V | . |
| 21.233 | 44.9795 | 10.89 | .Q | . | . | . | V | . |
| 21.250 | 44.9945 | 10.87 | .Q | . | . | . | V | . |
| 21.267 | 45.0094 | 10.84 | .Q | . | . | . | V | . |
| 21.283 | 45.0243 | 10.82 | .Q | . | . | . | V | . |
| 21.300 | 45.0392 | 10.80 | .Q | . | . | . | V | . |
| 21.317 | 45.0540 | 10.78 | .Q | . | . | . | V | . |
| 21.333 | 45.0688 | 10.75 | .Q | . | . | . | V | . |
| 21.350 | 45.0836 | 10.73 | .Q | . | . | . | V | . |
| 21.367 | 45.0984 | 10.71 | .Q | . | . | . | V | . |
| 21.383 | 45.1131 | 10.68 | .Q | . | . | . | V | . |
| 21.400 | 45.1278 | 10.66 | .Q | . | . | . | V | . |
| 21.417 | 45.1424 | 10.64 | .Q | . | . | . | V | . |
| 21.433 | 45.1570 | 10.62 | .Q | . | . | . | V | . |
| 21.450 | 45.1716 | 10.60 | .Q | . | . | . | V | . |
| 21.467 | 45.1862 | 10.58 | .Q | . | . | . | V | . |
| 21.483 | 45.2007 | 10.56 | .Q | . | . | . | V | . |
| 21.500 | 45.2153 | 10.54 | .Q | . | . | . | V | . |
| 21.517 | 45.2297 | 10.52 | .Q | . | . | . | V | . |
| 21.533 | 45.2442 | 10.49 | .Q | . | . | . | V | . |
| 21.550 | 45.2586 | 10.47 | .Q | . | . | . | V | . |
| 21.567 | 45.2730 | 10.45 | .Q | . | . | . | V | . |
| 21.583 | 45.2874 | 10.43 | .Q | . | . | . | V | . |
| 21.600 | 45.3017 | 10.41 | .Q | . | . | . | V | . |
| 21.617 | 45.3160 | 10.39 | .Q | . | . | . | V | . |
| 21.633 | 45.3303 | 10.37 | .Q | . | . | . | V | . |
| 21.650 | 45.3446 | 10.35 | .Q | . | . | . | V | . |
| 21.667 | 45.3588 | 10.33 | .Q | . | . | . | V | . |
| 21.683 | 45.3730 | 10.31 | .Q | . | . | . | V | . |
| 21.700 | 45.3872 | 10.29 | .Q | . | . | . | V | . |
| 21.717 | 45.4013 | 10.27 | .Q | . | . | . | V | . |
| 21.733 | 45.4154 | 10.25 | .Q | . | . | . | V | . |
| 21.750 | 45.4295 | 10.23 | .Q | . | . | . | V | . |
| 21.767 | 45.4436 | 10.21 | .Q | . | . | . | V | . |
| 21.783 | 45.4576 | 10.19 | .Q | . | . | . | V | . |
| 21.800 | 45.4717 | 10.17 | .Q | . | . | . | V | . |
| 21.817 | 45.4856 | 10.15 | .Q | . | . | . | V | . |
| 21.833 | 45.4996 | 10.14 | .Q | . | . | . | V | . |
| 21.850 | 45.5135 | 10.12 | .Q | . | . | . | V | . |
| 21.867 | 45.5274 | 10.10 | .Q | . | . | . | V | . |
| 21.883 | 45.5413 | 10.08 | .Q | . | . | . | V | . |
| 21.900 | 45.5552 | 10.06 | .Q | . | . | . | V | . |
| 21.917 | 45.5690 | 10.04 | .Q | . | . | . | V | . |
| 21.933 | 45.5828 | 10.02 | .Q | . | . | . | V | . |
| 21.950 | 45.5966 | 10.00 | .Q | . | . | . | V | . |
| 21.967 | 45.6103 | 9.98 | Q | . | . | . | V | . |
| 21.983 | 45.6241 | 9.96 | Q | . | . | . | V | . |
| 22.000 | 45.6378 | 9.95 | Q | . | . | . | V | . |
| 22.017 | 45.6514 | 9.93 | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|------|---|---|---|---|---|---|
| 22.033 | 45.6651 | 9.91 | Q | . | . | . | V | . |
| 22.050 | 45.6787 | 9.89 | Q | . | . | . | V | . |
| 22.067 | 45.6923 | 9.88 | Q | . | . | . | V | . |
| 22.083 | 45.7059 | 9.86 | Q | . | . | . | V | . |
| 22.100 | 45.7195 | 9.84 | Q | . | . | . | V | . |
| 22.117 | 45.7330 | 9.82 | Q | . | . | . | V | . |
| 22.133 | 45.7465 | 9.81 | Q | . | . | . | V | . |
| 22.150 | 45.7600 | 9.79 | Q | . | . | . | V | . |
| 22.167 | 45.7734 | 9.77 | Q | . | . | . | V | . |
| 22.183 | 45.7869 | 9.75 | Q | . | . | . | V | . |
| 22.200 | 45.8003 | 9.74 | Q | . | . | . | V | . |
| 22.217 | 45.8137 | 9.72 | Q | . | . | . | V | . |
| 22.233 | 45.8270 | 9.70 | Q | . | . | . | V | . |
| 22.250 | 45.8404 | 9.68 | Q | . | . | . | V | . |
| 22.267 | 45.8537 | 9.67 | Q | . | . | . | V | . |
| 22.283 | 45.8670 | 9.65 | Q | . | . | . | V | . |
| 22.300 | 45.8802 | 9.63 | Q | . | . | . | V | . |
| 22.317 | 45.8935 | 9.62 | Q | . | . | . | V | . |
| 22.333 | 45.9067 | 9.60 | Q | . | . | . | V | . |
| 22.350 | 45.9199 | 9.58 | Q | . | . | . | V | . |
| 22.367 | 45.9331 | 9.57 | Q | . | . | . | V | . |
| 22.383 | 45.9462 | 9.55 | Q | . | . | . | V | . |
| 22.400 | 45.9594 | 9.54 | Q | . | . | . | V | . |
| 22.417 | 45.9725 | 9.52 | Q | . | . | . | V | . |
| 22.433 | 45.9856 | 9.50 | Q | . | . | . | V | . |
| 22.450 | 45.9986 | 9.49 | Q | . | . | . | V | . |
| 22.467 | 46.0117 | 9.47 | Q | . | . | . | V | . |
| 22.483 | 46.0247 | 9.45 | Q | . | . | . | V | . |
| 22.500 | 46.0377 | 9.44 | Q | . | . | . | V | . |
| 22.517 | 46.0507 | 9.42 | Q | . | . | . | V | . |
| 22.533 | 46.0636 | 9.41 | Q | . | . | . | V | . |
| 22.550 | 46.0766 | 9.39 | Q | . | . | . | V | . |
| 22.567 | 46.0895 | 9.37 | Q | . | . | . | V | . |
| 22.583 | 46.1024 | 9.36 | Q | . | . | . | V | . |
| 22.600 | 46.1152 | 9.34 | Q | . | . | . | V | . |
| 22.617 | 46.1281 | 9.33 | Q | . | . | . | V | . |
| 22.633 | 46.1409 | 9.31 | Q | . | . | . | V | . |
| 22.650 | 46.1537 | 9.30 | Q | . | . | . | V | . |
| 22.667 | 46.1665 | 9.28 | Q | . | . | . | V | . |
| 22.683 | 46.1793 | 9.27 | Q | . | . | . | V | . |
| 22.700 | 46.1920 | 9.25 | Q | . | . | . | V | . |
| 22.717 | 46.2048 | 9.24 | Q | . | . | . | V | . |
| 22.733 | 46.2175 | 9.22 | Q | . | . | . | V | . |
| 22.750 | 46.2301 | 9.21 | Q | . | . | . | V | . |
| 22.767 | 46.2428 | 9.19 | Q | . | . | . | V | . |
| 22.783 | 46.2554 | 9.18 | Q | . | . | . | V | . |
| 22.800 | 46.2681 | 9.16 | Q | . | . | . | V | . |
| 22.817 | 46.2807 | 9.15 | Q | . | . | . | V | . |
| 22.833 | 46.2932 | 9.13 | Q | . | . | . | V | . |
| 22.850 | 46.3058 | 9.12 | Q | . | . | . | V | . |
| 22.867 | 46.3183 | 9.10 | Q | . | . | . | V | . |
| 22.883 | 46.3309 | 9.09 | Q | . | . | . | V | . |
| 22.900 | 46.3434 | 9.08 | Q | . | . | . | V | . |
| 22.917 | 46.3558 | 9.06 | Q | . | . | . | V | . |
| 22.933 | 46.3683 | 9.05 | Q | . | . | . | V | . |
| 22.950 | 46.3807 | 9.03 | Q | . | . | . | V | . |
| 22.967 | 46.3932 | 9.02 | Q | . | . | . | V | . |
| 22.983 | 46.4056 | 9.01 | Q | . | . | . | V | . |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.000 | 46.4180 | 8.99 | Q | . | . | . | V. |
| 23.017 | 46.4303 | 8.98 | Q | . | . | . | V. |
| 23.033 | 46.4427 | 8.96 | Q | . | . | . | V. |
| 23.050 | 46.4550 | 8.95 | Q | . | . | . | V. |
| 23.067 | 46.4673 | 8.94 | Q | . | . | . | V. |
| 23.083 | 46.4796 | 8.92 | Q | . | . | . | V. |
| 23.100 | 46.4919 | 8.91 | Q | . | . | . | V. |
| 23.117 | 46.5041 | 8.89 | Q | . | . | . | V. |
| 23.133 | 46.5163 | 8.88 | Q | . | . | . | V. |
| 23.150 | 46.5285 | 8.87 | Q | . | . | . | V. |
| 23.167 | 46.5407 | 8.85 | Q | . | . | . | V. |
| 23.183 | 46.5529 | 8.84 | Q | . | . | . | V. |
| 23.200 | 46.5651 | 8.83 | Q | . | . | . | V. |
| 23.217 | 46.5772 | 8.81 | Q | . | . | . | V. |
| 23.233 | 46.5893 | 8.80 | Q | . | . | . | V. |
| 23.250 | 46.6014 | 8.79 | Q | . | . | . | V. |
| 23.267 | 46.6135 | 8.77 | Q | . | . | . | V. |
| 23.283 | 46.6256 | 8.76 | Q | . | . | . | V. |
| 23.300 | 46.6376 | 8.75 | Q | . | . | . | V. |
| 23.317 | 46.6497 | 8.73 | Q | . | . | . | V. |
| 23.333 | 46.6617 | 8.72 | Q | . | . | . | V. |
| 23.350 | 46.6737 | 8.71 | Q | . | . | . | V. |
| 23.367 | 46.6857 | 8.70 | Q | . | . | . | V. |
| 23.383 | 46.6976 | 8.68 | Q | . | . | . | V. |
| 23.400 | 46.7096 | 8.67 | Q | . | . | . | V. |
| 23.417 | 46.7215 | 8.66 | Q | . | . | . | V. |
| 23.433 | 46.7334 | 8.64 | Q | . | . | . | V. |
| 23.450 | 46.7453 | 8.63 | Q | . | . | . | V. |
| 23.467 | 46.7571 | 8.62 | Q | . | . | . | V. |
| 23.483 | 46.7690 | 8.61 | Q | . | . | . | V. |
| 23.500 | 46.7808 | 8.59 | Q | . | . | . | V. |
| 23.517 | 46.7927 | 8.58 | Q | . | . | . | V. |
| 23.533 | 46.8045 | 8.57 | Q | . | . | . | V. |
| 23.550 | 46.8163 | 8.56 | Q | . | . | . | V. |
| 23.567 | 46.8280 | 8.55 | Q | . | . | . | V. |
| 23.583 | 46.8398 | 8.53 | Q | . | . | . | V. |
| 23.600 | 46.8515 | 8.52 | Q | . | . | . | V. |
| 23.617 | 46.8632 | 8.51 | Q | . | . | . | V. |
| 23.633 | 46.8749 | 8.50 | Q | . | . | . | V. |
| 23.650 | 46.8866 | 8.48 | Q | . | . | . | V. |
| 23.667 | 46.8983 | 8.47 | Q | . | . | . | V. |
| 23.683 | 46.9099 | 8.46 | Q | . | . | . | V. |
| 23.700 | 46.9216 | 8.45 | Q | . | . | . | V. |
| 23.717 | 46.9332 | 8.44 | Q | . | . | . | V. |
| 23.733 | 46.9448 | 8.42 | Q | . | . | . | V. |
| 23.750 | 46.9564 | 8.41 | Q | . | . | . | V. |
| 23.767 | 46.9680 | 8.40 | Q | . | . | . | V. |
| 23.783 | 46.9795 | 8.39 | Q | . | . | . | V. |
| 23.800 | 46.9911 | 8.38 | Q | . | . | . | V. |
| 23.817 | 47.0026 | 8.37 | Q | . | . | . | V. |
| 23.833 | 47.0141 | 8.35 | Q | . | . | . | V. |
| 23.850 | 47.0256 | 8.34 | Q | . | . | . | V. |
| 23.867 | 47.0371 | 8.33 | Q | . | . | . | V. |
| 23.883 | 47.0485 | 8.32 | Q | . | . | . | V. |
| 23.900 | 47.0600 | 8.31 | Q | . | . | . | V. |
| 23.917 | 47.0714 | 8.30 | Q | . | . | . | V. |
| 23.933 | 47.0828 | 8.29 | Q | . | . | . | V. |
| 23.950 | 47.0942 | 8.27 | Q | . | . | . | V. |

| | | | | | | | |
|--------|---------|------|---|---|---|---|----|
| 23.967 | 47.1056 | 8.26 | Q | . | . | . | V. |
| 23.983 | 47.1169 | 8.25 | Q | . | . | . | V. |
| 24.000 | 47.1283 | 8.24 | Q | . | . | . | V. |
| 24.017 | 47.1396 | 8.23 | Q | . | . | . | V. |
| 24.033 | 47.1510 | 8.22 | Q | . | . | . | V. |
| 24.050 | 47.1623 | 8.21 | Q | . | . | . | V. |
| 24.067 | 47.1736 | 8.20 | Q | . | . | . | V. |
| 24.083 | 47.1848 | 8.19 | Q | . | . | . | V. |
| 24.100 | 47.1961 | 8.18 | Q | . | . | . | V. |
| 24.117 | 47.2074 | 8.17 | Q | . | . | . | V. |
| 24.133 | 47.2186 | 8.16 | Q | . | . | . | V. |
| 24.150 | 47.2299 | 8.15 | Q | . | . | . | V. |
| 24.167 | 47.2411 | 8.14 | Q | . | . | . | V. |
| 24.183 | 47.2523 | 8.14 | Q | . | . | . | V. |
| 24.200 | 47.2635 | 8.13 | Q | . | . | . | V. |
| 24.217 | 47.2746 | 8.12 | Q | . | . | . | V. |
| 24.233 | 47.2858 | 8.11 | Q | . | . | . | V. |
| 24.250 | 47.2970 | 8.10 | Q | . | . | . | V. |
| 24.267 | 47.3080 | 7.98 | Q | . | . | . | V. |
| 24.283 | 47.3183 | 7.53 | Q | . | . | . | V. |
| 24.300 | 47.3280 | 7.06 | Q | . | . | . | V. |
| 24.317 | 47.3371 | 6.58 | Q | . | . | . | V. |
| 24.333 | 47.3455 | 6.11 | Q | . | . | . | V. |
| 24.350 | 47.3533 | 5.64 | Q | . | . | . | V. |
| 24.367 | 47.3604 | 5.16 | Q | . | . | . | V. |
| 24.383 | 47.3669 | 4.69 | Q | . | . | . | V. |
| 24.400 | 47.3727 | 4.21 | Q | . | . | . | V. |
| 24.417 | 47.3778 | 3.74 | Q | . | . | . | V. |
| 24.433 | 47.3823 | 3.27 | Q | . | . | . | V. |
| 24.450 | 47.3862 | 2.79 | Q | . | . | . | V. |
| 24.467 | 47.3894 | 2.32 | Q | . | . | . | V. |
| 24.483 | 47.3919 | 1.85 | Q | . | . | . | V. |
| 24.500 | 47.3938 | 1.37 | Q | . | . | . | V. |
| 24.517 | 47.3950 | 0.90 | Q | . | . | . | V. |
| 24.533 | 47.3956 | 0.43 | 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% | 1472.0 |
| 10% | 750.0 |
| 20% | 245.0 |
| 30% | 155.0 |
| 40% | 135.0 |
| 50% | 110.0 |
| 60% | 90.0 |
| 70% | 65.0 |
| 80% | 45.0 |
| 90% | 20.0 |

 END OF FLOODSCx ROUTING ANALYSIS

FLOOD ROUTING ANALYSIS
USING COUNTY HYDROLOGY MANUAL OF ORANGE (1986)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1237

Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED C *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 100-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3C00EVS.DAT
TIME/DATE OF STUDY: 07:15 07/26/2022

FLOW PROCESS FROM NODE 320.00 TO NODE 331.00 IS CODE = 1

>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #1)

WATERSHED AREA = 1292.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.292 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED) S-GRAPH SELECTED
MAXIMUM WATERSHED LOSS RATE (INCH/HOUR) = 0.129
LOW LOSS FRACTION = 0.284
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL (INCH) = 0.40
SPECIFIED PEAK 30-MINUTES RAINFALL (INCH) = 0.87
SPECIFIED PEAK 1-HOUR RAINFALL (INCH) = 1.15
SPECIFIED PEAK 3-HOUR RAINFALL (INCH) = 1.94
SPECIFIED PEAK 6-HOUR RAINFALL (INCH) = 2.71
SPECIFIED PEAK 24-HOUR RAINFALL (INCH) = 4.49

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.942
30-MINUTE FACTOR = 0.942
1-HOUR FACTOR = 0.942
3-HOUR FACTOR = 0.991
6-HOUR FACTOR = 0.996
24-HOUR FACTOR = 0.997

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 28.539

UNIT HYDROGRAPH DETERMINATION

| INTERVAL NUMBER | "S" GRAPH MEAN VALUES | UNIT HYDROGRAPH ORDINATES (CFS) |
|-----------------|-----------------------|---------------------------------|
| 1 | 1.758 | 274.767 |
| 2 | 9.845 | 1263.806 |
| 3 | 26.589 | 2616.941 |
| 4 | 48.951 | 3494.973 |
| 5 | 71.184 | 3474.627 |
| 6 | 84.962 | 2153.337 |
| 7 | 92.335 | 1152.389 |
| 8 | 96.276 | 615.851 |
| 9 | 98.095 | 284.393 |
| 10 | 98.677 | 90.937 |
| 11 | 99.212 | 83.632 |
| 12 | 99.685 | 73.861 |
| 13 | 99.921 | 36.930 |
| 14 | 100.000 | 12.310 |

TOTAL SOIL-LOSS VOLUME (ACRE-FEET) = 116.8153
TOTAL STORM RUNOFF VOLUME (ACRE-FEET) = 365.2763

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 FIVE-MINUTE UNIT INTERVALS (CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME (HRS) | VOLUME (AF) | Q (CFS) | 0. | 575.0 | 1150.0 | 1725.0 | 2300.0 |
|------------|-------------|---------|-----|-------|--------|--------|--------|
| 0.083 | 0.0077 | 1.12 | Q | . | . | . | . |
| 0.167 | 0.0509 | 6.27 | Q | . | . | . | . |
| 0.250 | 0.1676 | 16.95 | Q | . | . | . | . |
| 0.333 | 0.3827 | 31.23 | Q | . | . | . | . |
| 0.417 | 0.6959 | 45.48 | Q | . | . | . | . |
| 0.500 | 1.0706 | 54.40 | Q | . | . | . | . |
| 0.583 | 1.4788 | 59.27 | VQ | . | . | . | . |
| 0.667 | 1.9056 | 61.98 | VQ | . | . | . | . |
| 0.750 | 2.3419 | 63.34 | VQ | . | . | . | . |
| 0.833 | 2.7821 | 63.93 | VQ | . | . | . | . |
| 0.917 | 3.2263 | 64.49 | VQ | . | . | . | . |
| 1.000 | 3.6740 | 65.01 | VQ | . | . | . | . |
| 1.083 | 4.1243 | 65.39 | VQ | . | . | . | . |
| 1.167 | 4.5765 | 65.66 | VQ | . | . | . | . |
| 1.250 | 5.0304 | 65.89 | VQ | . | . | . | . |
| 1.333 | 5.4858 | 66.12 | VQ | . | . | . | . |
| 1.417 | 5.9428 | 66.36 | VQ | . | . | . | . |
| 1.500 | 6.4014 | 66.59 | VQ | . | . | . | . |
| 1.583 | 6.8617 | 66.83 | VQ | . | . | . | . |
| 1.667 | 7.3236 | 67.07 | VQ | . | . | . | . |
| 1.750 | 7.7872 | 67.31 | VQ | . | . | . | . |
| 1.833 | 8.2525 | 67.56 | VQ | . | . | . | . |
| 1.917 | 8.7195 | 67.81 | VQ | . | . | . | . |
| 2.000 | 9.1882 | 68.05 | .Q | . | . | . | . |
| 2.083 | 9.6586 | 68.31 | .Q | . | . | . | . |
| 2.167 | 10.1308 | 68.56 | .Q | . | . | . | . |
| 2.250 | 10.6048 | 68.82 | .Q | . | . | . | . |
| 2.333 | 11.0805 | 69.08 | .Q | . | . | . | . |
| 2.417 | 11.5580 | 69.34 | .Q | . | . | . | . |
| 2.500 | 12.0374 | 69.60 | .Q | . | . | . | . |
| 2.583 | 12.5186 | 69.87 | .Q | . | . | . | . |
| 2.667 | 13.0016 | 70.14 | .Q | . | . | . | . |
| 2.750 | 13.4865 | 70.41 | .Q | . | . | . | . |
| 2.833 | 13.9733 | 70.68 | .Q | . | . | . | . |
| 2.917 | 14.4620 | 70.96 | .Q | . | . | . | . |
| 3.000 | 14.9527 | 71.24 | .Q | . | . | . | . |
| 3.083 | 15.4452 | 71.52 | .Q | . | . | . | . |
| 3.167 | 15.9398 | 71.81 | .Q | . | . | . | . |
| 3.250 | 16.4363 | 72.10 | .Q | . | . | . | . |
| 3.333 | 16.9349 | 72.39 | .Q | . | . | . | . |
| 3.417 | 17.4355 | 72.69 | .Q | . | . | . | . |
| 3.500 | 17.9381 | 72.98 | .Q | . | . | . | . |
| 3.583 | 18.4428 | 73.29 | .QV | . | . | . | . |
| 3.667 | 18.9496 | 73.59 | .QV | . | . | . | . |
| 3.750 | 19.4586 | 73.90 | .QV | . | . | . | . |
| 3.833 | 19.9697 | 74.21 | .QV | . | . | . | . |
| 3.917 | 20.4829 | 74.52 | .QV | . | . | . | . |

| | | | | | | | |
|-------|---------|--------|------|---|---|---|---|
| 4.000 | 20.9983 | 74.84 | .QV | . | . | . | . |
| 4.083 | 21.5160 | 75.16 | .QV | . | . | . | . |
| 4.167 | 22.0358 | 75.49 | .QV | . | . | . | . |
| 4.250 | 22.5580 | 75.82 | .QV | . | . | . | . |
| 4.333 | 23.0824 | 76.15 | .QV | . | . | . | . |
| 4.417 | 23.6092 | 76.49 | .QV | . | . | . | . |
| 4.500 | 24.1383 | 76.82 | .QV | . | . | . | . |
| 4.583 | 24.6698 | 77.17 | .QV | . | . | . | . |
| 4.667 | 25.2036 | 77.52 | .QV | . | . | . | . |
| 4.750 | 25.7399 | 77.87 | .QV | . | . | . | . |
| 4.833 | 26.2786 | 78.22 | .QV | . | . | . | . |
| 4.917 | 26.8199 | 78.59 | .QV | . | . | . | . |
| 5.000 | 27.3636 | 78.95 | .QV | . | . | . | . |
| 5.083 | 27.9099 | 79.32 | .Q V | . | . | . | . |
| 5.167 | 28.4587 | 79.69 | .Q V | . | . | . | . |
| 5.250 | 29.0102 | 80.07 | .Q V | . | . | . | . |
| 5.333 | 29.5643 | 80.45 | .Q V | . | . | . | . |
| 5.417 | 30.1211 | 80.84 | .Q V | . | . | . | . |
| 5.500 | 30.6805 | 81.23 | .Q V | . | . | . | . |
| 5.583 | 31.2427 | 81.63 | .Q V | . | . | . | . |
| 5.667 | 31.8077 | 82.03 | .Q V | . | . | . | . |
| 5.750 | 32.3755 | 82.44 | .Q V | . | . | . | . |
| 5.833 | 32.9461 | 82.85 | .Q V | . | . | . | . |
| 5.917 | 33.5196 | 83.27 | .Q V | . | . | . | . |
| 6.000 | 34.0960 | 83.70 | .Q V | . | . | . | . |
| 6.083 | 34.6754 | 84.13 | .Q V | . | . | . | . |
| 6.167 | 35.2578 | 84.56 | .Q V | . | . | . | . |
| 6.250 | 35.8432 | 85.00 | .Q V | . | . | . | . |
| 6.333 | 36.4317 | 85.45 | .Q V | . | . | . | . |
| 6.417 | 37.0233 | 85.90 | .Q V | . | . | . | . |
| 6.500 | 37.6181 | 86.36 | .Q V | . | . | . | . |
| 6.583 | 38.2161 | 86.83 | .Q V | . | . | . | . |
| 6.667 | 38.8173 | 87.30 | .Q V | . | . | . | . |
| 6.750 | 39.4219 | 87.78 | .Q V | . | . | . | . |
| 6.833 | 40.0297 | 88.26 | .Q V | . | . | . | . |
| 6.917 | 40.6410 | 88.76 | .Q V | . | . | . | . |
| 7.000 | 41.2557 | 89.25 | .Q V | . | . | . | . |
| 7.083 | 41.8739 | 89.76 | .Q V | . | . | . | . |
| 7.167 | 42.4956 | 90.28 | .Q V | . | . | . | . |
| 7.250 | 43.1210 | 90.80 | .Q V | . | . | . | . |
| 7.333 | 43.7500 | 91.33 | .Q V | . | . | . | . |
| 7.417 | 44.3827 | 91.87 | .Q V | . | . | . | . |
| 7.500 | 45.0191 | 92.41 | .Q V | . | . | . | . |
| 7.583 | 45.6594 | 92.97 | .Q V | . | . | . | . |
| 7.667 | 46.3036 | 93.53 | .Q V | . | . | . | . |
| 7.750 | 46.9517 | 94.11 | .Q V | . | . | . | . |
| 7.833 | 47.6038 | 94.69 | .Q V | . | . | . | . |
| 7.917 | 48.2600 | 95.28 | .Q V | . | . | . | . |
| 8.000 | 48.9203 | 95.88 | .Q V | . | . | . | . |
| 8.083 | 49.5848 | 96.49 | .Q V | . | . | . | . |
| 8.167 | 50.2536 | 97.11 | .Q V | . | . | . | . |
| 8.250 | 50.9267 | 97.74 | .Q V | . | . | . | . |
| 8.333 | 51.6043 | 98.38 | .Q V | . | . | . | . |
| 8.417 | 52.2863 | 99.03 | .Q V | . | . | . | . |
| 8.500 | 52.9729 | 99.69 | .Q V | . | . | . | . |
| 8.583 | 53.6642 | 100.37 | .Q V | . | . | . | . |
| 8.667 | 54.3602 | 101.06 | .Q V | . | . | . | . |
| 8.750 | 55.0610 | 101.76 | .Q V | . | . | . | . |

| | | | | | | | | |
|--------|----------|--------|----|----|---|---|---|---|
| 8.833 | 55.7668 | 102.47 | .Q | V | . | . | . | . |
| 8.917 | 56.4775 | 103.20 | .Q | V | . | . | . | . |
| 9.000 | 57.1933 | 103.93 | .Q | V | . | . | . | . |
| 9.083 | 57.9143 | 104.69 | .Q | V | . | . | . | . |
| 9.167 | 58.6405 | 105.45 | .Q | V | . | . | . | . |
| 9.250 | 59.3722 | 106.24 | .Q | V | . | . | . | . |
| 9.333 | 60.1093 | 107.03 | .Q | V | . | . | . | . |
| 9.417 | 60.8520 | 107.84 | .Q | V | . | . | . | . |
| 9.500 | 61.6004 | 108.67 | .Q | V | . | . | . | . |
| 9.583 | 62.3547 | 109.52 | .Q | V | . | . | . | . |
| 9.667 | 63.1148 | 110.37 | .Q | V | . | . | . | . |
| 9.750 | 63.8811 | 111.26 | .Q | V | . | . | . | . |
| 9.833 | 64.6535 | 112.15 | .Q | V | . | . | . | . |
| 9.917 | 65.4322 | 113.07 | .Q | V | . | . | . | . |
| 10.000 | 66.2173 | 114.00 | .Q | V | . | . | . | . |
| 10.083 | 67.0091 | 114.96 | .Q | V | . | . | . | . |
| 10.167 | 67.8075 | 115.94 | .Q | V | . | . | . | . |
| 10.250 | 68.6129 | 116.94 | .Q | V | . | . | . | . |
| 10.333 | 69.4253 | 117.96 | .Q | V | . | . | . | . |
| 10.417 | 70.2449 | 119.01 | .Q | V | . | . | . | . |
| 10.500 | 71.0718 | 120.07 | .Q | V | . | . | . | . |
| 10.583 | 71.9063 | 121.17 | .Q | V | . | . | . | . |
| 10.667 | 72.7485 | 122.28 | .Q | V | . | . | . | . |
| 10.750 | 73.5986 | 123.44 | .Q | V | . | . | . | . |
| 10.833 | 74.4567 | 124.61 | .Q | V | . | . | . | . |
| 10.917 | 75.3232 | 125.82 | .Q | V | . | . | . | . |
| 11.000 | 76.1982 | 127.04 | .Q | V | . | . | . | . |
| 11.083 | 77.0819 | 128.32 | .Q | V | . | . | . | . |
| 11.167 | 77.9745 | 129.61 | .Q | V | . | . | . | . |
| 11.250 | 78.8764 | 130.95 | .Q | V | . | . | . | . |
| 11.333 | 79.7877 | 132.31 | .Q | V | . | . | . | . |
| 11.417 | 80.7087 | 133.73 | .Q | V | . | . | . | . |
| 11.500 | 81.6396 | 135.17 | .Q | V | . | . | . | . |
| 11.583 | 82.5808 | 136.66 | .Q | V | . | . | . | . |
| 11.667 | 83.5325 | 138.19 | .Q | V | . | . | . | . |
| 11.750 | 84.4951 | 139.77 | .Q | V | . | . | . | . |
| 11.833 | 85.4688 | 141.39 | .Q | V | . | . | . | . |
| 11.917 | 86.4542 | 143.07 | .Q | V | . | . | . | . |
| 12.000 | 87.4513 | 144.78 | .Q | V | . | . | . | . |
| 12.083 | 88.4670 | 147.48 | .Q | V | . | . | . | . |
| 12.167 | 89.5241 | 153.49 | .Q | V | . | . | . | . |
| 12.250 | 90.6539 | 164.06 | .Q | V | . | . | . | . |
| 12.333 | 91.8771 | 177.60 | .Q | V | . | . | . | . |
| 12.417 | 93.1938 | 191.19 | .Q | V | . | . | . | . |
| 12.500 | 94.5747 | 200.50 | .Q | V | . | . | . | . |
| 12.583 | 95.9977 | 206.63 | .Q | V | . | . | . | . |
| 12.667 | 97.4512 | 211.05 | .Q | V | . | . | . | . |
| 12.750 | 98.9284 | 214.49 | .Q | V | . | . | . | . |
| 12.833 | 100.4254 | 217.36 | .Q | V | . | . | . | . |
| 12.917 | 101.9427 | 220.32 | .Q | .V | . | . | . | . |
| 13.000 | 103.4808 | 223.33 | .Q | .V | . | . | . | . |
| 13.083 | 105.0396 | 226.34 | .Q | .V | . | . | . | . |
| 13.167 | 106.6193 | 229.36 | .Q | .V | . | . | . | . |
| 13.250 | 108.2204 | 232.49 | .Q | .V | . | . | . | . |
| 13.333 | 109.8439 | 235.72 | .Q | .V | . | . | . | . |
| 13.417 | 111.4907 | 239.12 | .Q | .V | . | . | . | . |
| 13.500 | 113.1617 | 242.63 | .Q | .V | . | . | . | . |
| 13.583 | 114.8583 | 246.34 | .Q | .V | . | . | . | . |

| | | | | | | | | |
|--------|----------|---------|----|----|----|----|----|-----|
| 13.667 | 116.5813 | 250.18 | .Q | .V | . | . | . | . |
| 13.750 | 118.3323 | 254.25 | .Q | .V | . | . | . | . |
| 13.833 | 120.1124 | 258.47 | .Q | .V | . | . | . | . |
| 13.917 | 121.9234 | 262.96 | .Q | .V | . | . | . | . |
| 14.000 | 123.7666 | 267.63 | .Q | .V | . | . | . | . |
| 14.083 | 125.6466 | 272.97 | .Q | .V | . | . | . | . |
| 14.167 | 127.5736 | 279.81 | .Q | .V | . | . | . | . |
| 14.250 | 129.5623 | 288.76 | .Q | .V | . | . | . | . |
| 14.333 | 131.6223 | 299.12 | .Q | .V | . | . | . | . |
| 14.417 | 133.7565 | 309.88 | .Q | .V | . | . | . | . |
| 14.500 | 135.9555 | 319.30 | .Q | .V | . | . | . | . |
| 14.583 | 138.2141 | 327.95 | .Q | .V | . | . | . | . |
| 14.667 | 140.5306 | 336.36 | .Q | .V | . | . | . | . |
| 14.750 | 142.9066 | 345.00 | .Q | .V | . | . | . | . |
| 14.833 | 145.3445 | 353.97 | .Q | .V | . | . | . | . |
| 14.917 | 147.8498 | 363.78 | .Q | .V | . | . | . | . |
| 15.000 | 150.4281 | 374.36 | .Q | .V | . | . | . | . |
| 15.083 | 153.0873 | 386.12 | .Q | .V | . | . | . | . |
| 15.167 | 155.8384 | 399.46 | .Q | .V | . | . | . | . |
| 15.250 | 158.6994 | 415.42 | .Q | .V | . | . | . | . |
| 15.333 | 161.6927 | 434.63 | .Q | .V | . | . | . | . |
| 15.417 | 164.8270 | 455.10 | .Q | .V | . | . | . | . |
| 15.500 | 168.0587 | 469.24 | .Q | .V | . | . | . | . |
| 15.583 | 171.3243 | 474.16 | .Q | .V | . | . | . | . |
| 15.667 | 174.5999 | 475.62 | .Q | .V | . | . | . | . |
| 15.750 | 177.9571 | 487.47 | .Q | .V | . | . | . | . |
| 15.833 | 181.6104 | 530.45 | .Q | .V | . | . | . | . |
| 15.917 | 185.8338 | 613.25 | .Q | .V | . | . | . | . |
| 16.000 | 190.9959 | 749.53 | .Q | .V | . | . | . | . |
| 16.083 | 198.0359 | 1022.22 | . | .Q | .V | . | . | . |
| 16.167 | 208.3808 | 1502.07 | . | . | .V | .Q | . | . |
| 16.250 | 222.2485 | 2013.60 | . | . | .V | . | .Q | . |
| 16.333 | 237.7664 | 2253.20 | . | . | . | .V | . | .Q. |
| 16.417 | 252.2118 | 2097.47 | . | . | . | .V | . | .Q |
| 16.500 | 262.7753 | 1533.83 | . | . | . | .Q | .V | . |
| 16.583 | 270.2075 | 1079.16 | . | .Q | . | .V | . | . |
| 16.667 | 275.7433 | 803.80 | . | .Q | . | .V | . | . |
| 16.750 | 280.0814 | 629.89 | . | .Q | . | .V | . | . |
| 16.833 | 283.6492 | 518.04 | . | .Q | . | .V | . | . |
| 16.917 | 286.8942 | 471.17 | . | .Q | . | .V | . | . |
| 17.000 | 289.8777 | 433.21 | . | .Q | . | .V | . | . |
| 17.083 | 292.5851 | 393.11 | . | .Q | . | .V | . | . |
| 17.167 | 295.0636 | 359.88 | . | .Q | . | .V | . | . |
| 17.250 | 297.3626 | 333.82 | . | .Q | . | .V | . | . |
| 17.333 | 299.5233 | 313.73 | . | .Q | . | .V | . | . |
| 17.417 | 301.5612 | 295.89 | . | .Q | . | .V | . | . |
| 17.500 | 303.4988 | 281.34 | . | .Q | . | .V | . | . |
| 17.583 | 305.3540 | 269.38 | . | .Q | . | .V | . | . |
| 17.667 | 307.1396 | 259.26 | . | .Q | . | .V | . | . |
| 17.750 | 308.8648 | 250.50 | . | .Q | . | .V | . | . |
| 17.833 | 310.5367 | 242.76 | . | .Q | . | .V | . | . |
| 17.917 | 312.1600 | 235.69 | . | .Q | . | .V | . | . |
| 18.000 | 313.7385 | 229.20 | .Q | . | . | .V | . | . |
| 18.083 | 315.2699 | 222.35 | .Q | . | . | .V | . | . |
| 18.167 | 316.7348 | 212.70 | .Q | . | . | .V | . | . |
| 18.250 | 318.1054 | 199.01 | .Q | . | . | .V | . | . |
| 18.333 | 319.3645 | 182.82 | .Q | . | . | .V | . | . |
| 18.417 | 320.5151 | 167.07 | .Q | . | . | .V | . | . |

| | | | | | | | | |
|--------|----------|--------|-----|---|---|---|---|---|
| 18.500 | 321.5896 | 156.02 | . Q | . | . | . | V | . |
| 18.583 | 322.6127 | 148.55 | . Q | . | . | . | V | . |
| 18.667 | 323.5982 | 143.10 | . Q | . | . | . | V | . |
| 18.750 | 324.5552 | 138.95 | . Q | . | . | . | V | . |
| 18.833 | 325.4893 | 135.63 | . Q | . | . | . | V | . |
| 18.917 | 326.4019 | 132.50 | . Q | . | . | . | V | . |
| 19.000 | 327.2941 | 129.55 | . Q | . | . | . | V | . |
| 19.083 | 328.1678 | 126.87 | . Q | . | . | . | V | . |
| 19.167 | 329.0246 | 124.39 | . Q | . | . | . | V | . |
| 19.250 | 329.8653 | 122.08 | . Q | . | . | . | V | . |
| 19.333 | 330.6909 | 119.87 | . Q | . | . | . | V | . |
| 19.417 | 331.5019 | 117.76 | . Q | . | . | . | V | . |
| 19.500 | 332.2990 | 115.74 | . Q | . | . | . | V | . |
| 19.583 | 333.0829 | 113.82 | .Q | . | . | . | V | . |
| 19.667 | 333.8540 | 111.97 | .Q | . | . | . | V | . |
| 19.750 | 334.6130 | 110.20 | .Q | . | . | . | V | . |
| 19.833 | 335.3602 | 108.50 | .Q | . | . | . | V | . |
| 19.917 | 336.0962 | 106.86 | .Q | . | . | . | V | . |
| 20.000 | 336.8213 | 105.29 | .Q | . | . | . | V | . |
| 20.083 | 337.5360 | 103.77 | .Q | . | . | . | V | . |
| 20.167 | 338.2406 | 102.32 | .Q | . | . | . | V | . |
| 20.250 | 338.9356 | 100.91 | .Q | . | . | . | V | . |
| 20.333 | 339.6212 | 99.55 | .Q | . | . | . | V | . |
| 20.417 | 340.2978 | 98.24 | .Q | . | . | . | V | . |
| 20.500 | 340.9656 | 96.97 | .Q | . | . | . | V | . |
| 20.583 | 341.6249 | 95.74 | .Q | . | . | . | V | . |
| 20.667 | 342.2761 | 94.55 | .Q | . | . | . | V | . |
| 20.750 | 342.9194 | 93.40 | .Q | . | . | . | V | . |
| 20.833 | 343.5549 | 92.28 | .Q | . | . | . | V | . |
| 20.917 | 344.1830 | 91.20 | .Q | . | . | . | V | . |
| 21.000 | 344.8040 | 90.15 | .Q | . | . | . | V | . |
| 21.083 | 345.4178 | 89.14 | .Q | . | . | . | V | . |
| 21.167 | 346.0249 | 88.14 | .Q | . | . | . | V | . |
| 21.250 | 346.6253 | 87.18 | .Q | . | . | . | V | . |
| 21.333 | 347.2193 | 86.25 | .Q | . | . | . | V | . |
| 21.417 | 347.8071 | 85.34 | .Q | . | . | . | V | . |
| 21.500 | 348.3887 | 84.45 | .Q | . | . | . | V | . |
| 21.583 | 348.9644 | 83.59 | .Q | . | . | . | V | . |
| 21.667 | 349.5343 | 82.75 | .Q | . | . | . | V | . |
| 21.750 | 350.0986 | 81.93 | .Q | . | . | . | V | . |
| 21.833 | 350.6573 | 81.13 | .Q | . | . | . | V | . |
| 21.917 | 351.2108 | 80.35 | .Q | . | . | . | V | . |
| 22.000 | 351.7589 | 79.60 | .Q | . | . | . | V | . |
| 22.083 | 352.3020 | 78.85 | .Q | . | . | . | V | . |
| 22.167 | 352.8401 | 78.13 | .Q | . | . | . | V | . |
| 22.250 | 353.3734 | 77.43 | .Q | . | . | . | V | . |
| 22.333 | 353.9018 | 76.74 | .Q | . | . | . | V | . |
| 22.417 | 354.4257 | 76.06 | .Q | . | . | . | V | . |
| 22.500 | 354.9449 | 75.40 | .Q | . | . | . | V | . |
| 22.583 | 355.4598 | 74.76 | .Q | . | . | . | V | . |
| 22.667 | 355.9703 | 74.12 | .Q | . | . | . | V | . |
| 22.750 | 356.4765 | 73.51 | .Q | . | . | . | V | . |
| 22.833 | 356.9786 | 72.90 | .Q | . | . | . | V | . |
| 22.917 | 357.4766 | 72.31 | .Q | . | . | . | V | . |
| 23.000 | 357.9706 | 71.73 | .Q | . | . | . | V | . |
| 23.083 | 358.4608 | 71.16 | .Q | . | . | . | V | . |
| 23.167 | 358.9470 | 70.61 | .Q | . | . | . | V | . |
| 23.250 | 359.4295 | 70.06 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 23.333 | 359.9084 | 69.53 | .Q | . | . | . | V | . |
| 23.417 | 360.3836 | 69.00 | .Q | . | . | . | V | . |
| 23.500 | 360.8553 | 68.49 | .Q | . | . | . | V | . |
| 23.583 | 361.3235 | 67.98 | .Q | . | . | . | V | . |
| 23.667 | 361.7883 | 67.49 | .Q | . | . | . | V | . |
| 23.750 | 362.2497 | 67.01 | .Q | . | . | . | V | . |
| 23.833 | 362.7079 | 66.53 | .Q | . | . | . | V | . |
| 23.917 | 363.1629 | 66.06 | .Q | . | . | . | V | . |
| 24.000 | 363.6147 | 65.60 | .Q | . | . | . | V | . |
| 24.083 | 364.0557 | 64.04 | .Q | . | . | . | V | . |
| 24.167 | 364.4583 | 58.46 | .Q | . | . | . | V | . |
| 24.250 | 364.7850 | 47.43 | Q | . | . | . | V | . |
| 24.333 | 365.0116 | 32.91 | Q | . | . | . | V | . |
| 24.417 | 365.1395 | 18.56 | Q | . | . | . | V | . |
| 24.500 | 365.2062 | 9.69 | Q | . | . | . | V | . |
| 24.583 | 365.2402 | 4.94 | Q | . | . | . | V | . |
| 24.667 | 365.2567 | 2.40 | Q | . | . | . | V | . |
| 24.750 | 365.2652 | 1.23 | Q | . | . | . | V | . |
| 24.833 | 365.2710 | 0.85 | Q | . | . | . | V | . |
| 24.917 | 365.2745 | 0.51 | Q | . | . | . | V | . |
| 25.000 | 365.2759 | 0.20 | Q | . | . | . | V | . |
| 25.083 | 365.2762 | 0.05 | 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% | 1505.0 |
| 10% | 300.0 |
| 20% | 95.0 |
| 30% | 45.0 |
| 40% | 35.0 |
| 50% | 25.0 |
| 60% | 25.0 |
| 70% | 15.0 |
| 80% | 15.0 |
| 90% | 10.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING ANALYSIS

FLOOD ROUTING ANALYSIS
USING COUNTY HYDROLOGY MANUAL OF ORANGE (1986)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1237

Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED C *
* UNIT HYDROGRAPH - SINGLE AREA MODEL - SINGLE BASIN *
* 100-YR HC AUG 2022 ROKAMOTO *

FILE NAME: 3C00HCS.DAT
TIME/DATE OF STUDY: 09:49 08/23/2022

FLOW PROCESS FROM NODE 320.00 TO NODE 331.00 IS CODE = 1

>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #1)

WATERSHED AREA = 1292.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.280 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED) S-GRAPH SELECTED
MAXIMUM WATERSHED LOSS RATE (INCH/HOUR) = 0.101
LOW LOSS FRACTION = 0.127
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL (INCH) = 0.52
SPECIFIED PEAK 30-MINUTES RAINFALL (INCH) = 1.09
SPECIFIED PEAK 1-HOUR RAINFALL (INCH) = 1.45
SPECIFIED PEAK 3-HOUR RAINFALL (INCH) = 2.43
SPECIFIED PEAK 6-HOUR RAINFALL (INCH) = 3.36
SPECIFIED PEAK 24-HOUR RAINFALL (INCH) = 5.63

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.942
30-MINUTE FACTOR = 0.942
1-HOUR FACTOR = 0.942
3-HOUR FACTOR = 0.991
6-HOUR FACTOR = 0.996
24-HOUR FACTOR = 0.997

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 29.762

UNIT HYDROGRAPH DETERMINATION

| INTERVAL NUMBER | "S" GRAPH MEAN VALUES | UNIT HYDROGRAPH ORDINATES (CFS) |
|-----------------|-----------------------|---------------------------------|
| 1 | 1.853 | 289.557 |
| 2 | 10.766 | 1392.985 |
| 3 | 28.672 | 2798.515 |
| 4 | 52.675 | 3751.329 |
| 5 | 74.416 | 3397.884 |
| 6 | 87.158 | 1991.469 |
| 7 | 93.709 | 1023.820 |
| 8 | 97.065 | 524.474 |
| 9 | 98.337 | 198.830 |
| 10 | 98.895 | 87.209 |
| 11 | 99.407 | 79.980 |
| 12 | 99.763 | 55.621 |
| 13 | 99.941 | 27.811 |
| 14 | 100.000 | 9.270 |

TOTAL SOIL-LOSS VOLUME (ACRE-FEET) = 68.1777
TOTAL STORM RUNOFF VOLUME (ACRE-FEET) = 536.2753

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 FIVE-MINUTE UNIT INTERVALS(CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME (HRS) | VOLUME (AF) | Q(CFS) | 0. | 775.0 | 1550.0 | 2325.0 | 3100.0 |
|------------|-------------|--------|-----|-------|--------|--------|--------|
| 0.083 | 0.0127 | 1.84 | Q | . | . | . | . |
| 0.167 | 0.0865 | 10.72 | Q | . | . | . | . |
| 0.250 | 0.2832 | 28.56 | Q | . | . | . | . |
| 0.333 | 0.6449 | 52.52 | Q | . | . | . | . |
| 0.417 | 1.1567 | 74.31 | Q | . | . | . | . |
| 0.500 | 1.7574 | 87.22 | VQ | . | . | . | . |
| 0.583 | 2.4050 | 94.03 | VQ | . | . | . | . |
| 0.667 | 3.0777 | 97.68 | VQ | . | . | . | . |
| 0.750 | 3.7613 | 99.27 | VQ | . | . | . | . |
| 0.833 | 4.4511 | 100.15 | VQ | . | . | . | . |
| 0.917 | 5.1467 | 101.00 | VQ | . | . | . | . |
| 1.000 | 5.8471 | 101.70 | VQ | . | . | . | . |
| 1.083 | 6.5511 | 102.22 | VQ | . | . | . | . |
| 1.167 | 7.2579 | 102.63 | VQ | . | . | . | . |
| 1.250 | 7.9672 | 102.99 | VQ | . | . | . | . |
| 1.333 | 8.6789 | 103.34 | VQ | . | . | . | . |
| 1.417 | 9.3931 | 103.70 | VQ | . | . | . | . |
| 1.500 | 10.1099 | 104.07 | VQ | . | . | . | . |
| 1.583 | 10.8291 | 104.43 | VQ | . | . | . | . |
| 1.667 | 11.5509 | 104.81 | VQ | . | . | . | . |
| 1.750 | 12.2753 | 105.18 | VQ | . | . | . | . |
| 1.833 | 13.0023 | 105.56 | VQ | . | . | . | . |
| 1.917 | 13.7319 | 105.94 | .Q | . | . | . | . |
| 2.000 | 14.4641 | 106.33 | .Q | . | . | . | . |
| 2.083 | 15.1991 | 106.71 | .Q | . | . | . | . |
| 2.167 | 15.9367 | 107.11 | .Q | . | . | . | . |
| 2.250 | 16.6771 | 107.50 | .Q | . | . | . | . |
| 2.333 | 17.4202 | 107.90 | .Q | . | . | . | . |
| 2.417 | 18.1661 | 108.30 | .Q | . | . | . | . |
| 2.500 | 18.9148 | 108.71 | .Q | . | . | . | . |
| 2.583 | 19.6663 | 109.12 | .Q | . | . | . | . |
| 2.667 | 20.4207 | 109.54 | .Q | . | . | . | . |
| 2.750 | 21.1779 | 109.96 | .Q | . | . | . | . |
| 2.833 | 21.9381 | 110.38 | .Q | . | . | . | . |
| 2.917 | 22.7012 | 110.81 | .Q | . | . | . | . |
| 3.000 | 23.4674 | 111.24 | .Q | . | . | . | . |
| 3.083 | 24.2365 | 111.68 | .Q | . | . | . | . |
| 3.167 | 25.0086 | 112.12 | .Q | . | . | . | . |
| 3.250 | 25.7839 | 112.56 | .Q | . | . | . | . |
| 3.333 | 26.5622 | 113.01 | .Q | . | . | . | . |
| 3.417 | 27.3437 | 113.47 | .QV | . | . | . | . |
| 3.500 | 28.1283 | 113.93 | .QV | . | . | . | . |
| 3.583 | 28.9161 | 114.39 | .QV | . | . | . | . |
| 3.667 | 29.7072 | 114.86 | .QV | . | . | . | . |
| 3.750 | 30.5016 | 115.34 | .QV | . | . | . | . |
| 3.833 | 31.2992 | 115.82 | .QV | . | . | . | . |
| 3.917 | 32.1002 | 116.30 | .QV | . | . | . | . |

| | | | | | | | |
|-------|---------|--------|-------|---|---|---|---|
| 4.000 | 32.9046 | 116.79 | .QV | . | . | . | . |
| 4.083 | 33.7124 | 117.29 | .QV | . | . | . | . |
| 4.167 | 34.5236 | 117.79 | .QV | . | . | . | . |
| 4.250 | 35.3383 | 118.30 | .QV | . | . | . | . |
| 4.333 | 36.1566 | 118.81 | .QV | . | . | . | . |
| 4.417 | 36.9784 | 119.33 | .QV | . | . | . | . |
| 4.500 | 37.8038 | 119.85 | .QV | . | . | . | . |
| 4.583 | 38.6329 | 120.38 | .QV | . | . | . | . |
| 4.667 | 39.4657 | 120.92 | .QV | . | . | . | . |
| 4.750 | 40.3022 | 121.46 | .Q V | . | . | . | . |
| 4.833 | 41.1425 | 122.01 | .Q V | . | . | . | . |
| 4.917 | 41.9867 | 122.57 | .Q V | . | . | . | . |
| 5.000 | 42.8347 | 123.13 | .Q V | . | . | . | . |
| 5.083 | 43.6866 | 123.70 | .Q V | . | . | . | . |
| 5.167 | 44.5425 | 124.28 | .Q V | . | . | . | . |
| 5.250 | 45.4024 | 124.86 | .Q V | . | . | . | . |
| 5.333 | 46.2664 | 125.45 | .Q V | . | . | . | . |
| 5.417 | 47.1345 | 126.05 | .Q V | . | . | . | . |
| 5.500 | 48.0067 | 126.65 | .Q V | . | . | . | . |
| 5.583 | 48.8832 | 127.26 | .Q V | . | . | . | . |
| 5.667 | 49.7639 | 127.88 | .Q V | . | . | . | . |
| 5.750 | 50.6490 | 128.51 | .Q V | . | . | . | . |
| 5.833 | 51.5384 | 129.15 | .Q V | . | . | . | . |
| 5.917 | 52.4323 | 129.79 | .Q V | . | . | . | . |
| 6.000 | 53.3306 | 130.44 | .Q V | . | . | . | . |
| 6.083 | 54.2336 | 131.10 | .Q V | . | . | . | . |
| 6.167 | 55.1411 | 131.77 | .Q V | . | . | . | . |
| 6.250 | 56.0533 | 132.45 | .Q V | . | . | . | . |
| 6.333 | 56.9703 | 133.14 | .Q V | . | . | . | . |
| 6.417 | 57.8920 | 133.84 | .Q V | . | . | . | . |
| 6.500 | 58.8187 | 134.55 | .Q V | . | . | . | . |
| 6.583 | 59.7502 | 135.26 | .Q V | . | . | . | . |
| 6.667 | 60.6868 | 135.99 | .Q V | . | . | . | . |
| 6.750 | 61.6285 | 136.73 | .Q V | . | . | . | . |
| 6.833 | 62.5753 | 137.48 | .Q V | . | . | . | . |
| 6.917 | 63.5273 | 138.24 | .Q V | . | . | . | . |
| 7.000 | 64.4847 | 139.01 | .Q V | . | . | . | . |
| 7.083 | 65.4474 | 139.79 | .Q V | . | . | . | . |
| 7.167 | 66.4156 | 140.58 | .Q V | . | . | . | . |
| 7.250 | 67.3893 | 141.38 | .Q V | . | . | . | . |
| 7.333 | 68.3686 | 142.20 | .Q V | . | . | . | . |
| 7.417 | 69.3536 | 143.02 | .Q V | . | . | . | . |
| 7.500 | 70.3444 | 143.87 | .Q V | . | . | . | . |
| 7.583 | 71.3411 | 144.72 | .Q V | . | . | . | . |
| 7.667 | 72.3437 | 145.59 | .Q V | . | . | . | . |
| 7.750 | 73.3525 | 146.47 | .Q V | . | . | . | . |
| 7.833 | 74.3674 | 147.36 | .Q V | . | . | . | . |
| 7.917 | 75.3885 | 148.27 | .Q V | . | . | . | . |
| 8.000 | 76.4160 | 149.20 | .Q V | . | . | . | . |
| 8.083 | 77.4500 | 150.13 | .Q V | . | . | . | . |
| 8.167 | 78.4906 | 151.09 | .Q V | . | . | . | . |
| 8.250 | 79.5378 | 152.06 | .Q V | . | . | . | . |
| 8.333 | 80.5918 | 153.05 | .Q V | . | . | . | . |
| 8.417 | 81.6528 | 154.05 | .Q V | . | . | . | . |
| 8.500 | 82.7208 | 155.07 | . Q V | . | . | . | . |
| 8.583 | 83.7959 | 156.11 | . Q V | . | . | . | . |
| 8.667 | 84.8783 | 157.16 | . Q V | . | . | . | . |
| 8.750 | 85.9681 | 158.24 | . Q V | . | . | . | . |

| | | | | | | | | |
|--------|----------|--------|-----|----|---|---|---|---|
| 8.833 | 87.0654 | 159.33 | . Q | V | . | . | . | . |
| 8.917 | 88.1704 | 160.45 | . Q | V | . | . | . | . |
| 9.000 | 89.2833 | 161.58 | . Q | V | . | . | . | . |
| 9.083 | 90.4041 | 162.74 | . Q | V | . | . | . | . |
| 9.167 | 91.5330 | 163.92 | . Q | V | . | . | . | . |
| 9.250 | 92.6702 | 165.12 | . Q | V | . | . | . | . |
| 9.333 | 93.8158 | 166.34 | . Q | V | . | . | . | . |
| 9.417 | 94.9700 | 167.59 | . Q | V | . | . | . | . |
| 9.500 | 96.1330 | 168.86 | . Q | V | . | . | . | . |
| 9.583 | 97.3049 | 170.16 | . Q | V | . | . | . | . |
| 9.667 | 98.4859 | 171.48 | . Q | V | . | . | . | . |
| 9.750 | 99.6762 | 172.84 | . Q | V | . | . | . | . |
| 9.833 | 100.8761 | 174.21 | . Q | V | . | . | . | . |
| 9.917 | 102.0856 | 175.62 | . Q | V | . | . | . | . |
| 10.000 | 103.3050 | 177.06 | . Q | V | . | . | . | . |
| 10.083 | 104.5346 | 178.53 | . Q | V | . | . | . | . |
| 10.167 | 105.7744 | 180.03 | . Q | V | . | . | . | . |
| 10.250 | 107.0249 | 181.56 | . Q | V | . | . | . | . |
| 10.333 | 108.2861 | 183.13 | . Q | V | . | . | . | . |
| 10.417 | 109.5584 | 184.74 | . Q | V | . | . | . | . |
| 10.500 | 110.8420 | 186.38 | . Q | V | . | . | . | . |
| 10.583 | 112.1371 | 188.06 | . Q | V | . | . | . | . |
| 10.667 | 113.4441 | 189.78 | . Q | V | . | . | . | . |
| 10.750 | 114.7633 | 191.54 | . Q | V | . | . | . | . |
| 10.833 | 116.0948 | 193.34 | . Q | V | . | . | . | . |
| 10.917 | 117.4391 | 195.19 | . Q | V | . | . | . | . |
| 11.000 | 118.7964 | 197.09 | . Q | V | . | . | . | . |
| 11.083 | 120.1672 | 199.03 | . Q | V | . | . | . | . |
| 11.167 | 121.5516 | 201.02 | . Q | V | . | . | . | . |
| 11.250 | 122.9502 | 203.07 | . Q | V | . | . | . | . |
| 11.333 | 124.3632 | 205.17 | . Q | V | . | . | . | . |
| 11.417 | 125.7911 | 207.33 | . Q | V | . | . | . | . |
| 11.500 | 127.2344 | 209.55 | . Q | V | . | . | . | . |
| 11.583 | 128.6933 | 211.84 | . Q | V | . | . | . | . |
| 11.667 | 130.1684 | 214.19 | . Q | V | . | . | . | . |
| 11.750 | 131.6602 | 216.60 | . Q | V | . | . | . | . |
| 11.833 | 133.1691 | 219.09 | . Q | V | . | . | . | . |
| 11.917 | 134.6956 | 221.66 | . Q | V | . | . | . | . |
| 12.000 | 136.2404 | 224.30 | . Q | V | . | . | . | . |
| 12.083 | 137.8121 | 228.21 | . Q | V | . | . | . | . |
| 12.167 | 139.4423 | 236.70 | . Q | V | . | . | . | . |
| 12.250 | 141.1710 | 251.01 | . Q | V | . | . | . | . |
| 12.333 | 143.0259 | 269.33 | . Q | V | . | . | . | . |
| 12.417 | 144.9981 | 286.37 | . Q | V | . | . | . | . |
| 12.500 | 147.0493 | 297.83 | . Q | V | . | . | . | . |
| 12.583 | 149.1533 | 305.50 | . Q | .V | . | . | . | . |
| 12.667 | 151.2971 | 311.28 | . Q | .V | . | . | . | . |
| 12.750 | 153.4725 | 315.87 | . Q | .V | . | . | . | . |
| 12.833 | 155.6774 | 320.14 | . Q | .V | . | . | . | . |
| 12.917 | 157.9124 | 324.53 | . Q | .V | . | . | . | . |
| 13.000 | 160.1781 | 328.98 | . Q | .V | . | . | . | . |
| 13.083 | 162.4747 | 333.47 | . Q | .V | . | . | . | . |
| 13.167 | 164.8030 | 338.07 | . Q | .V | . | . | . | . |
| 13.250 | 167.1640 | 342.81 | . Q | .V | . | . | . | . |
| 13.333 | 169.5589 | 347.75 | . Q | .V | . | . | . | . |
| 13.417 | 171.9894 | 352.90 | . Q | .V | . | . | . | . |
| 13.500 | 174.4569 | 358.29 | . Q | .V | . | . | . | . |
| 13.583 | 176.9633 | 363.92 | . Q | .V | . | . | . | . |

| | | | | | | | | |
|--------|----------|---------|-----|-----|-----|-----|-----|-----|
| 13.667 | 179.5102 | 369.81 | . Q | . V | . | . | . | . |
| 13.750 | 182.0997 | 375.99 | . Q | . V | . | . | . | . |
| 13.833 | 184.7339 | 382.49 | . Q | . V | . | . | . | . |
| 13.917 | 187.4151 | 389.31 | . Q | . V | . | . | . | . |
| 14.000 | 190.1459 | 396.51 | . Q | . V | . | . | . | . |
| 14.083 | 192.9339 | 404.82 | . Q | . V | . | . | . | . |
| 14.167 | 195.8011 | 416.31 | . Q | . V | . | . | . | . |
| 14.250 | 198.7746 | 431.76 | . Q | . V | . | . | . | . |
| 14.333 | 201.8745 | 450.10 | . Q | . V | . | . | . | . |
| 14.417 | 205.0987 | 468.16 | . Q | . V | . | . | . | . |
| 14.500 | 208.4278 | 483.38 | . Q | . V | . | . | . | . |
| 14.583 | 211.8502 | 496.93 | . Q | . V | . | . | . | . |
| 14.667 | 215.3630 | 510.06 | . Q | . V | . | . | . | . |
| 14.750 | 218.9668 | 523.28 | . Q | . V | . | . | . | . |
| 14.833 | 222.6670 | 537.27 | . Q | . V | . | . | . | . |
| 14.917 | 226.4716 | 552.42 | . Q | . V | . | . | . | . |
| 15.000 | 230.3896 | 568.89 | . Q | . V | . | . | . | . |
| 15.083 | 234.4314 | 586.87 | . Q | . V | . | . | . | . |
| 15.167 | 238.6098 | 606.71 | . Q | . V | . | . | . | . |
| 15.250 | 242.9400 | 628.74 | . Q | . V | . | . | . | . |
| 15.333 | 247.4406 | 653.50 | . Q | . V | . | . | . | . |
| 15.417 | 252.1138 | 678.54 | . Q | . V | . | . | . | . |
| 15.500 | 256.9091 | 696.29 | . Q | . V | . | . | . | . |
| 15.583 | 261.7622 | 704.67 | . Q | . V | . | . | . | . |
| 15.667 | 266.6538 | 710.26 | . Q | . V | . | . | . | . |
| 15.750 | 271.6798 | 729.77 | . Q | . V | . | . | . | . |
| 15.833 | 277.0578 | 780.88 | . Q | . V | . | . | . | . |
| 15.917 | 283.0637 | 872.05 | . Q | . V | . | . | . | . |
| 16.000 | 290.1545 | 1029.59 | . Q | . V | . | . | . | . |
| 16.083 | 299.6140 | 1373.51 | . | . Q | . V | . | . | . |
| 16.167 | 313.6127 | 2032.61 | . | . | . V | . Q | . | . |
| 16.250 | 332.2770 | 2710.05 | . | . | . V | . | . Q | . |
| 16.333 | 353.1400 | 3029.32 | . | . | . | . V | . | . Q |
| 16.417 | 371.7352 | 2700.02 | . | . | . | . V | . | . Q |
| 16.500 | 385.1077 | 1941.69 | . | . | . | . Q | . V | . |
| 16.583 | 394.6234 | 1381.67 | . | . Q | . | . | . V | . |
| 16.667 | 401.9036 | 1057.09 | . | . Q | . | . | . V | . |
| 16.750 | 407.7360 | 846.87 | . | . Q | . | . | . V | . |
| 16.833 | 412.8255 | 739.00 | . | . Q | . | . | . V | . |
| 16.917 | 417.5244 | 682.28 | . | . Q | . | . | . V | . |
| 17.000 | 421.8481 | 627.80 | . | . Q | . | . | . V | . |
| 17.083 | 425.8233 | 577.20 | . | . Q | . | . | . V | . |
| 17.167 | 429.4991 | 533.72 | . | . Q | . | . | . V | . |
| 17.250 | 432.9172 | 496.32 | . | . Q | . | . | . V | . |
| 17.333 | 436.1145 | 464.24 | . | . Q | . | . | . V | . |
| 17.417 | 439.1179 | 436.09 | . | . Q | . | . | . V | . |
| 17.500 | 441.9673 | 413.74 | . | . Q | . | . | . V | . |
| 17.583 | 444.6925 | 395.69 | . | . Q | . | . | . V | . |
| 17.667 | 447.3131 | 380.51 | . | . Q | . | . | . V | . |
| 17.750 | 449.8441 | 367.50 | . | . Q | . | . | . V | . |
| 17.833 | 452.2952 | 355.91 | . | . Q | . | . | . V | . |
| 17.917 | 454.6735 | 345.32 | . | . Q | . | . | . V | . |
| 18.000 | 456.9850 | 335.64 | . | . Q | . | . | . V | . |
| 18.083 | 459.2273 | 325.59 | . | . Q | . | . | . V | . |
| 18.167 | 461.3744 | 311.75 | . | . Q | . | . | . V | . |
| 18.250 | 463.3912 | 292.84 | . | . Q | . | . | . V | . |
| 18.333 | 465.2551 | 270.64 | . | . Q | . | . | . V | . |
| 18.417 | 466.9798 | 250.42 | . | . Q | . | . | . V | . |

| | | | | | | | | |
|--------|----------|--------|-----|---|---|---|---|---|
| 18.500 | 468.6079 | 236.41 | . Q | . | . | . | V | . |
| 18.583 | 470.1695 | 226.74 | . Q | . | . | . | V | . |
| 18.667 | 471.6808 | 219.45 | . Q | . | . | . | V | . |
| 18.750 | 473.1532 | 213.79 | . Q | . | . | . | V | . |
| 18.833 | 474.5917 | 208.87 | . Q | . | . | . | V | . |
| 18.917 | 475.9981 | 204.22 | . Q | . | . | . | V | . |
| 19.000 | 477.3748 | 199.90 | . Q | . | . | . | V | . |
| 19.083 | 478.7240 | 195.90 | . Q | . | . | . | V | . |
| 19.167 | 480.0475 | 192.17 | . Q | . | . | . | V | . |
| 19.250 | 481.3468 | 188.65 | . Q | . | . | . | V | . |
| 19.333 | 482.6229 | 185.30 | . Q | . | . | . | V | . |
| 19.417 | 483.8770 | 182.10 | . Q | . | . | . | V | . |
| 19.500 | 485.1101 | 179.03 | . Q | . | . | . | V | . |
| 19.583 | 486.3229 | 176.10 | . Q | . | . | . | V | . |
| 19.667 | 487.5164 | 173.29 | . Q | . | . | . | V | . |
| 19.750 | 488.6913 | 170.60 | . Q | . | . | . | V | . |
| 19.833 | 489.8484 | 168.01 | . Q | . | . | . | V | . |
| 19.917 | 490.9883 | 165.52 | . Q | . | . | . | V | . |
| 20.000 | 492.1117 | 163.12 | . Q | . | . | . | V | . |
| 20.083 | 493.2192 | 160.81 | . Q | . | . | . | V | . |
| 20.167 | 494.3114 | 158.59 | . Q | . | . | . | V | . |
| 20.250 | 495.3888 | 156.44 | . Q | . | . | . | V | . |
| 20.333 | 496.4520 | 154.37 | . Q | . | . | . | V | . |
| 20.417 | 497.5013 | 152.36 | . Q | . | . | . | V | . |
| 20.500 | 498.5373 | 150.43 | . Q | . | . | . | V | . |
| 20.583 | 499.5604 | 148.55 | . Q | . | . | . | V | . |
| 20.667 | 500.5710 | 146.74 | . Q | . | . | . | V | . |
| 20.750 | 501.5695 | 144.98 | . Q | . | . | . | V | . |
| 20.833 | 502.5562 | 143.28 | . Q | . | . | . | V | . |
| 20.917 | 503.5316 | 141.62 | . Q | . | . | . | V | . |
| 21.000 | 504.4959 | 140.02 | . Q | . | . | . | V | . |
| 21.083 | 505.4495 | 138.46 | . Q | . | . | . | V | . |
| 21.167 | 506.3927 | 136.95 | . Q | . | . | . | V | . |
| 21.250 | 507.3257 | 135.48 | . Q | . | . | . | V | . |
| 21.333 | 508.2489 | 134.05 | . Q | . | . | . | V | . |
| 21.417 | 509.1625 | 132.65 | . Q | . | . | . | V | . |
| 21.500 | 510.0667 | 131.30 | . Q | . | . | . | V | . |
| 21.583 | 510.9619 | 129.98 | . Q | . | . | . | V | . |
| 21.667 | 511.8482 | 128.69 | . Q | . | . | . | V | . |
| 21.750 | 512.7259 | 127.44 | . Q | . | . | . | V | . |
| 21.833 | 513.5952 | 126.21 | . Q | . | . | . | V | . |
| 21.917 | 514.4562 | 125.02 | . Q | . | . | . | V | . |
| 22.000 | 515.3092 | 123.86 | . Q | . | . | . | V | . |
| 22.083 | 516.1544 | 122.72 | . Q | . | . | . | V | . |
| 22.167 | 516.9920 | 121.62 | . Q | . | . | . | V | . |
| 22.250 | 517.8221 | 120.53 | . Q | . | . | . | V | . |
| 22.333 | 518.6450 | 119.47 | . Q | . | . | . | V | . |
| 22.417 | 519.4606 | 118.44 | . Q | . | . | . | V | . |
| 22.500 | 520.2693 | 117.43 | . Q | . | . | . | V | . |
| 22.583 | 521.0712 | 116.44 | . Q | . | . | . | V | . |
| 22.667 | 521.8665 | 115.47 | . Q | . | . | . | V | . |
| 22.750 | 522.6552 | 114.52 | . Q | . | . | . | V | . |
| 22.833 | 523.4375 | 113.59 | . Q | . | . | . | V | . |
| 22.917 | 524.2136 | 112.69 | . Q | . | . | . | V | . |
| 23.000 | 524.9835 | 111.80 | . Q | . | . | . | V | . |
| 23.083 | 525.7475 | 110.93 | . Q | . | . | . | V | . |
| 23.167 | 526.5056 | 110.07 | . Q | . | . | . | V | . |
| 23.250 | 527.2579 | 109.23 | . Q | . | . | . | V | . |

| | | | | | | | |
|--------|----------|--------|----|---|---|---|----|
| 23.333 | 528.0045 | 108.41 | .Q | . | . | . | V. |
| 23.417 | 528.7456 | 107.61 | .Q | . | . | . | V. |
| 23.500 | 529.4813 | 106.82 | .Q | . | . | . | V. |
| 23.583 | 530.2115 | 106.04 | .Q | . | . | . | V. |
| 23.667 | 530.9366 | 105.28 | .Q | . | . | . | V. |
| 23.750 | 531.6566 | 104.54 | .Q | . | . | . | V. |
| 23.833 | 532.3715 | 103.80 | .Q | . | . | . | V. |
| 23.917 | 533.0815 | 103.08 | .Q | . | . | . | V. |
| 24.000 | 533.7866 | 102.38 | .Q | . | . | . | V. |
| 24.083 | 534.4742 | 99.84 | .Q | . | . | . | V. |
| 24.167 | 535.0963 | 90.32 | .Q | . | . | . | V. |
| 24.250 | 535.5917 | 71.95 | Q | . | . | . | V. |
| 24.333 | 535.9199 | 47.64 | Q | . | . | . | V. |
| 24.417 | 536.0971 | 25.74 | Q | . | . | . | V. |
| 24.500 | 536.1861 | 12.92 | Q | . | . | . | V. |
| 24.583 | 536.2297 | 6.33 | Q | . | . | . | V. |
| 24.667 | 536.2501 | 2.96 | Q | . | . | . | V. |
| 24.750 | 536.2616 | 1.68 | Q | . | . | . | V. |
| 24.833 | 536.2692 | 1.11 | Q | . | . | . | V. |
| 24.917 | 536.2733 | 0.59 | Q | . | . | . | V. |
| 25.000 | 536.2750 | 0.24 | Q | . | . | . | V. |
| 25.083 | 536.2754 | 0.06 | 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% | 1505.0 |
| 10% | 340.0 |
| 20% | 115.0 |
| 30% | 45.0 |
| 40% | 35.0 |
| 50% | 25.0 |
| 60% | 25.0 |
| 70% | 15.0 |
| 80% | 15.0 |
| 90% | 5.0 |

FLOW PROCESS FROM NODE 330.00 TO NODE 330.00 IS CODE = 11

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

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS (CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME (HRS) | VOLUME (AF) | Q (CFS) | 0. | 775.0 | 1550.0 | 2325.0 | 3100.0 |
|------------|-------------|---------|----|-------|--------|--------|--------|
| 0.083 | 0.0127 | 1.84 | Q | . | . | . | . |
| 0.167 | 0.0865 | 10.72 | Q | . | . | . | . |
| 0.250 | 0.2832 | 28.56 | Q | . | . | . | . |
| 0.333 | 0.6449 | 52.52 | Q | . | . | . | . |
| 0.417 | 1.1567 | 74.31 | Q | . | . | . | . |

| | | | | | | | |
|-------|---------|--------|------|---|---|---|---|
| 0.500 | 1.7574 | 87.22 | VQ | . | . | . | . |
| 0.583 | 2.4050 | 94.03 | VQ | . | . | . | . |
| 0.667 | 3.0777 | 97.68 | VQ | . | . | . | . |
| 0.750 | 3.7613 | 99.27 | VQ | . | . | . | . |
| 0.833 | 4.4511 | 100.15 | VQ | . | . | . | . |
| 0.917 | 5.1467 | 101.00 | VQ | . | . | . | . |
| 1.000 | 5.8471 | 101.70 | VQ | . | . | . | . |
| 1.083 | 6.5511 | 102.22 | VQ | . | . | . | . |
| 1.167 | 7.2579 | 102.63 | VQ | . | . | . | . |
| 1.250 | 7.9672 | 102.99 | VQ | . | . | . | . |
| 1.333 | 8.6789 | 103.34 | VQ | . | . | . | . |
| 1.417 | 9.3931 | 103.70 | VQ | . | . | . | . |
| 1.500 | 10.1099 | 104.07 | VQ | . | . | . | . |
| 1.583 | 10.8291 | 104.43 | VQ | . | . | . | . |
| 1.667 | 11.5509 | 104.81 | VQ | . | . | . | . |
| 1.750 | 12.2753 | 105.18 | VQ | . | . | . | . |
| 1.833 | 13.0023 | 105.56 | VQ | . | . | . | . |
| 1.917 | 13.7319 | 105.94 | .Q | . | . | . | . |
| 2.000 | 14.4641 | 106.33 | .Q | . | . | . | . |
| 2.083 | 15.1991 | 106.71 | .Q | . | . | . | . |
| 2.167 | 15.9367 | 107.11 | .Q | . | . | . | . |
| 2.250 | 16.6771 | 107.50 | .Q | . | . | . | . |
| 2.333 | 17.4202 | 107.90 | .Q | . | . | . | . |
| 2.417 | 18.1661 | 108.30 | .Q | . | . | . | . |
| 2.500 | 18.9148 | 108.71 | .Q | . | . | . | . |
| 2.583 | 19.6663 | 109.12 | .Q | . | . | . | . |
| 2.667 | 20.4207 | 109.54 | .Q | . | . | . | . |
| 2.750 | 21.1779 | 109.96 | .Q | . | . | . | . |
| 2.833 | 21.9381 | 110.38 | .Q | . | . | . | . |
| 2.917 | 22.7012 | 110.81 | .Q | . | . | . | . |
| 3.000 | 23.4674 | 111.24 | .Q | . | . | . | . |
| 3.083 | 24.2365 | 111.68 | .Q | . | . | . | . |
| 3.167 | 25.0086 | 112.12 | .Q | . | . | . | . |
| 3.250 | 25.7839 | 112.56 | .Q | . | . | . | . |
| 3.333 | 26.5622 | 113.01 | .Q | . | . | . | . |
| 3.417 | 27.3437 | 113.47 | .QV | . | . | . | . |
| 3.500 | 28.1283 | 113.93 | .QV | . | . | . | . |
| 3.583 | 28.9161 | 114.39 | .QV | . | . | . | . |
| 3.667 | 29.7072 | 114.86 | .QV | . | . | . | . |
| 3.750 | 30.5016 | 115.34 | .QV | . | . | . | . |
| 3.833 | 31.2992 | 115.82 | .QV | . | . | . | . |
| 3.917 | 32.1002 | 116.30 | .QV | . | . | . | . |
| 4.000 | 32.9046 | 116.79 | .QV | . | . | . | . |
| 4.083 | 33.7124 | 117.29 | .QV | . | . | . | . |
| 4.167 | 34.5236 | 117.79 | .QV | . | . | . | . |
| 4.250 | 35.3383 | 118.30 | .QV | . | . | . | . |
| 4.333 | 36.1566 | 118.81 | .QV | . | . | . | . |
| 4.417 | 36.9784 | 119.33 | .QV | . | . | . | . |
| 4.500 | 37.8038 | 119.85 | .QV | . | . | . | . |
| 4.583 | 38.6329 | 120.38 | .QV | . | . | . | . |
| 4.667 | 39.4657 | 120.92 | .QV | . | . | . | . |
| 4.750 | 40.3022 | 121.46 | .Q V | . | . | . | . |
| 4.833 | 41.1425 | 122.01 | .Q V | . | . | . | . |
| 4.917 | 41.9867 | 122.57 | .Q V | . | . | . | . |
| 5.000 | 42.8347 | 123.13 | .Q V | . | . | . | . |
| 5.083 | 43.6866 | 123.70 | .Q V | . | . | . | . |
| 5.167 | 44.5425 | 124.28 | .Q V | . | . | . | . |
| 5.250 | 45.4024 | 124.86 | .Q V | . | . | . | . |

| | | | | | | | |
|--------|----------|--------|------|---|---|---|---|
| 5.333 | 46.2664 | 125.45 | .Q V | . | . | . | . |
| 5.417 | 47.1345 | 126.05 | .Q V | . | . | . | . |
| 5.500 | 48.0067 | 126.65 | .Q V | . | . | . | . |
| 5.583 | 48.8832 | 127.26 | .Q V | . | . | . | . |
| 5.667 | 49.7639 | 127.88 | .Q V | . | . | . | . |
| 5.750 | 50.6490 | 128.51 | .Q V | . | . | . | . |
| 5.833 | 51.5384 | 129.15 | .Q V | . | . | . | . |
| 5.917 | 52.4323 | 129.79 | .Q V | . | . | . | . |
| 6.000 | 53.3306 | 130.44 | .Q V | . | . | . | . |
| 6.083 | 54.2336 | 131.10 | .Q V | . | . | . | . |
| 6.167 | 55.1411 | 131.77 | .Q V | . | . | . | . |
| 6.250 | 56.0533 | 132.45 | .Q V | . | . | . | . |
| 6.333 | 56.9703 | 133.14 | .Q V | . | . | . | . |
| 6.417 | 57.8920 | 133.84 | .Q V | . | . | . | . |
| 6.500 | 58.8187 | 134.55 | .Q V | . | . | . | . |
| 6.583 | 59.7502 | 135.26 | .Q V | . | . | . | . |
| 6.667 | 60.6868 | 135.99 | .Q V | . | . | . | . |
| 6.750 | 61.6285 | 136.73 | .Q V | . | . | . | . |
| 6.833 | 62.5753 | 137.48 | .Q V | . | . | . | . |
| 6.917 | 63.5273 | 138.24 | .Q V | . | . | . | . |
| 7.000 | 64.4847 | 139.01 | .Q V | . | . | . | . |
| 7.083 | 65.4474 | 139.79 | .Q V | . | . | . | . |
| 7.167 | 66.4156 | 140.58 | .Q V | . | . | . | . |
| 7.250 | 67.3893 | 141.38 | .Q V | . | . | . | . |
| 7.333 | 68.3686 | 142.20 | .Q V | . | . | . | . |
| 7.417 | 69.3536 | 143.02 | .Q V | . | . | . | . |
| 7.500 | 70.3444 | 143.87 | .Q V | . | . | . | . |
| 7.583 | 71.3411 | 144.72 | .Q V | . | . | . | . |
| 7.667 | 72.3437 | 145.59 | .Q V | . | . | . | . |
| 7.750 | 73.3525 | 146.47 | .Q V | . | . | . | . |
| 7.833 | 74.3674 | 147.36 | .Q V | . | . | . | . |
| 7.917 | 75.3885 | 148.27 | .Q V | . | . | . | . |
| 8.000 | 76.4160 | 149.20 | .Q V | . | . | . | . |
| 8.083 | 77.4500 | 150.13 | .Q V | . | . | . | . |
| 8.167 | 78.4906 | 151.09 | .Q V | . | . | . | . |
| 8.250 | 79.5378 | 152.06 | .Q V | . | . | . | . |
| 8.333 | 80.5918 | 153.05 | .Q V | . | . | . | . |
| 8.417 | 81.6528 | 154.05 | .Q V | . | . | . | . |
| 8.500 | 82.7208 | 155.07 | .Q V | . | . | . | . |
| 8.583 | 83.7959 | 156.11 | .Q V | . | . | . | . |
| 8.667 | 84.8783 | 157.16 | .Q V | . | . | . | . |
| 8.750 | 85.9681 | 158.24 | .Q V | . | . | . | . |
| 8.833 | 87.0654 | 159.33 | .Q V | . | . | . | . |
| 8.917 | 88.1704 | 160.45 | .Q V | . | . | . | . |
| 9.000 | 89.2833 | 161.58 | .Q V | . | . | . | . |
| 9.083 | 90.4041 | 162.74 | .Q V | . | . | . | . |
| 9.167 | 91.5330 | 163.92 | .Q V | . | . | . | . |
| 9.250 | 92.6702 | 165.12 | .Q V | . | . | . | . |
| 9.333 | 93.8158 | 166.34 | .Q V | . | . | . | . |
| 9.417 | 94.9700 | 167.59 | .Q V | . | . | . | . |
| 9.500 | 96.1330 | 168.86 | .Q V | . | . | . | . |
| 9.583 | 97.3049 | 170.16 | .Q V | . | . | . | . |
| 9.667 | 98.4859 | 171.48 | .Q V | . | . | . | . |
| 9.750 | 99.6762 | 172.84 | .Q V | . | . | . | . |
| 9.833 | 100.8761 | 174.21 | .Q V | . | . | . | . |
| 9.917 | 102.0856 | 175.62 | .Q V | . | . | . | . |
| 10.000 | 103.3050 | 177.06 | .Q V | . | . | . | . |
| 10.083 | 104.5346 | 178.53 | .Q V | . | . | . | . |

| | | | | | | | |
|--------|----------|--------|-----|-----|---|---|---|
| 10.167 | 105.7744 | 180.03 | . Q | V . | . | . | . |
| 10.250 | 107.0249 | 181.56 | . Q | V . | . | . | . |
| 10.333 | 108.2861 | 183.13 | . Q | V . | . | . | . |
| 10.417 | 109.5584 | 184.74 | . Q | V . | . | . | . |
| 10.500 | 110.8420 | 186.38 | . Q | V . | . | . | . |
| 10.583 | 112.1371 | 188.06 | . Q | V . | . | . | . |
| 10.667 | 113.4441 | 189.78 | . Q | V . | . | . | . |
| 10.750 | 114.7633 | 191.54 | . Q | V . | . | . | . |
| 10.833 | 116.0948 | 193.34 | . Q | V . | . | . | . |
| 10.917 | 117.4391 | 195.19 | . Q | V . | . | . | . |
| 11.000 | 118.7964 | 197.09 | . Q | V . | . | . | . |
| 11.083 | 120.1672 | 199.03 | . Q | V . | . | . | . |
| 11.167 | 121.5516 | 201.02 | . Q | V . | . | . | . |
| 11.250 | 122.9502 | 203.07 | . Q | V . | . | . | . |
| 11.333 | 124.3632 | 205.17 | . Q | V . | . | . | . |
| 11.417 | 125.7911 | 207.33 | . Q | V . | . | . | . |
| 11.500 | 127.2344 | 209.55 | . Q | V . | . | . | . |
| 11.583 | 128.6933 | 211.84 | . Q | V . | . | . | . |
| 11.667 | 130.1684 | 214.19 | . Q | V . | . | . | . |
| 11.750 | 131.6602 | 216.60 | . Q | V . | . | . | . |
| 11.833 | 133.1691 | 219.09 | . Q | V . | . | . | . |
| 11.917 | 134.6956 | 221.66 | . Q | V . | . | . | . |
| 12.000 | 136.2404 | 224.30 | . Q | V . | . | . | . |
| 12.083 | 137.8121 | 228.21 | . Q | V . | . | . | . |
| 12.167 | 139.4423 | 236.70 | . Q | V . | . | . | . |
| 12.250 | 141.1710 | 251.01 | . Q | V . | . | . | . |
| 12.333 | 143.0259 | 269.33 | . Q | V . | . | . | . |
| 12.417 | 144.9981 | 286.37 | . Q | V . | . | . | . |
| 12.500 | 147.0493 | 297.83 | . Q | V . | . | . | . |
| 12.583 | 149.1533 | 305.50 | . Q | .V | . | . | . |
| 12.667 | 151.2971 | 311.28 | . Q | .V | . | . | . |
| 12.750 | 153.4725 | 315.87 | . Q | .V | . | . | . |
| 12.833 | 155.6774 | 320.14 | . Q | .V | . | . | . |
| 12.917 | 157.9124 | 324.53 | . Q | .V | . | . | . |
| 13.000 | 160.1781 | 328.98 | . Q | .V | . | . | . |
| 13.083 | 162.4747 | 333.47 | . Q | .V | . | . | . |
| 13.167 | 164.8030 | 338.07 | . Q | .V | . | . | . |
| 13.250 | 167.1640 | 342.81 | . Q | .V | . | . | . |
| 13.333 | 169.5589 | 347.75 | . Q | .V | . | . | . |
| 13.417 | 171.9894 | 352.90 | . Q | .V | . | . | . |
| 13.500 | 174.4569 | 358.29 | . Q | .V | . | . | . |
| 13.583 | 176.9633 | 363.92 | . Q | .V | . | . | . |
| 13.667 | 179.5102 | 369.81 | . Q | .V | . | . | . |
| 13.750 | 182.0997 | 375.99 | . Q | .V | . | . | . |
| 13.833 | 184.7339 | 382.49 | . Q | .V | . | . | . |
| 13.917 | 187.4151 | 389.31 | . Q | .V | . | . | . |
| 14.000 | 190.1459 | 396.51 | . Q | .V | . | . | . |
| 14.083 | 192.9339 | 404.82 | . Q | .V | . | . | . |
| 14.167 | 195.8011 | 416.31 | . Q | .V | . | . | . |
| 14.250 | 198.7746 | 431.76 | . Q | .V | . | . | . |
| 14.333 | 201.8745 | 450.10 | . Q | .V | . | . | . |
| 14.417 | 205.0987 | 468.16 | . Q | .V | . | . | . |
| 14.500 | 208.4278 | 483.38 | . Q | .V | . | . | . |
| 14.583 | 211.8502 | 496.93 | . Q | .V | . | . | . |
| 14.667 | 215.3630 | 510.06 | . Q | .V | . | . | . |
| 14.750 | 218.9668 | 523.28 | . Q | .V | . | . | . |
| 14.833 | 222.6670 | 537.27 | . Q | .V | . | . | . |
| 14.917 | 226.4716 | 552.42 | . Q | .V | . | . | . |

| | | | | | | | |
|--------|----------|---------|-----|-------|-----|---|-----|
| 15.000 | 230.3896 | 568.89 | . Q | . V . | . | . | . |
| 15.083 | 234.4314 | 586.87 | . Q | . V . | . | . | . |
| 15.167 | 238.6098 | 606.71 | . Q | . V . | . | . | . |
| 15.250 | 242.9400 | 628.74 | . Q | . V . | . | . | . |
| 15.333 | 247.4406 | 653.50 | . Q | . V . | . | . | . |
| 15.417 | 252.1138 | 678.54 | . Q | . V . | . | . | . |
| 15.500 | 256.9091 | 696.29 | . Q | . V . | . | . | . |
| 15.583 | 261.7622 | 704.67 | . Q | . V . | . | . | . |
| 15.667 | 266.6538 | 710.26 | . Q | . V . | . | . | . |
| 15.750 | 271.6798 | 729.77 | . Q | . V . | . | . | . |
| 15.833 | 277.0578 | 780.88 | . Q | . V . | . | . | . |
| 15.917 | 283.0637 | 872.05 | . Q | .V | . | . | . |
| 16.000 | 290.1545 | 1029.59 | . Q | .V | . | . | . |
| 16.083 | 299.6140 | 1373.51 | . Q | .V | . | . | . |
| 16.167 | 313.6127 | 2032.61 | . Q | .V | . Q | . | . |
| 16.250 | 332.2770 | 2710.05 | . Q | .V | . Q | . | . |
| 16.333 | 353.1400 | 3029.32 | . Q | .V | . Q | . | . Q |
| 16.417 | 371.7352 | 2700.02 | . Q | .V | . Q | . | . Q |
| 16.500 | 385.1077 | 1941.69 | . Q | .V | . Q | . | . Q |
| 16.583 | 394.6234 | 1381.67 | . Q | .V | . Q | . | . Q |
| 16.667 | 401.9036 | 1057.09 | . Q | .V | . Q | . | . Q |
| 16.750 | 407.7360 | 846.87 | . Q | .V | . Q | . | . Q |
| 16.833 | 412.8255 | 739.00 | . Q | .V | . Q | . | . Q |
| 16.917 | 417.5244 | 682.28 | . Q | .V | . Q | . | . Q |
| 17.000 | 421.8481 | 627.80 | . Q | .V | . Q | . | . Q |
| 17.083 | 425.8233 | 577.20 | . Q | .V | . Q | . | . Q |
| 17.167 | 429.4991 | 533.72 | . Q | .V | . Q | . | . Q |
| 17.250 | 432.9172 | 496.32 | . Q | .V | . Q | . | . Q |
| 17.333 | 436.1145 | 464.24 | . Q | .V | . Q | . | . Q |
| 17.417 | 439.1179 | 436.09 | . Q | .V | . Q | . | . Q |
| 17.500 | 441.9673 | 413.74 | . Q | .V | . Q | . | . Q |
| 17.583 | 444.6925 | 395.69 | . Q | .V | . Q | . | . Q |
| 17.667 | 447.3131 | 380.51 | . Q | .V | . Q | . | . Q |
| 17.750 | 449.8441 | 367.50 | . Q | .V | . Q | . | . Q |
| 17.833 | 452.2952 | 355.91 | . Q | .V | . Q | . | . Q |
| 17.917 | 454.6735 | 345.32 | . Q | .V | . Q | . | . Q |
| 18.000 | 456.9850 | 335.64 | . Q | .V | . Q | . | . Q |
| 18.083 | 459.2273 | 325.59 | . Q | .V | . Q | . | . Q |
| 18.167 | 461.3744 | 311.75 | . Q | .V | . Q | . | . Q |
| 18.250 | 463.3912 | 292.84 | . Q | .V | . Q | . | . Q |
| 18.333 | 465.2551 | 270.64 | . Q | .V | . Q | . | . Q |
| 18.417 | 466.9798 | 250.42 | . Q | .V | . Q | . | . Q |
| 18.500 | 468.6079 | 236.41 | . Q | .V | . Q | . | . Q |
| 18.583 | 470.1695 | 226.74 | . Q | .V | . Q | . | . Q |
| 18.667 | 471.6808 | 219.45 | . Q | .V | . Q | . | . Q |
| 18.750 | 473.1532 | 213.79 | . Q | .V | . Q | . | . Q |
| 18.833 | 474.5917 | 208.87 | . Q | .V | . Q | . | . Q |
| 18.917 | 475.9981 | 204.22 | . Q | .V | . Q | . | . Q |
| 19.000 | 477.3748 | 199.90 | . Q | .V | . Q | . | . Q |
| 19.083 | 478.7240 | 195.90 | . Q | .V | . Q | . | . Q |
| 19.167 | 480.0475 | 192.17 | . Q | .V | . Q | . | . Q |
| 19.250 | 481.3468 | 188.65 | . Q | .V | . Q | . | . Q |
| 19.333 | 482.6229 | 185.30 | . Q | .V | . Q | . | . Q |
| 19.417 | 483.8770 | 182.10 | . Q | .V | . Q | . | . Q |
| 19.500 | 485.1101 | 179.03 | . Q | .V | . Q | . | . Q |
| 19.583 | 486.3229 | 176.10 | . Q | .V | . Q | . | . Q |
| 19.667 | 487.5164 | 173.29 | . Q | .V | . Q | . | . Q |
| 19.750 | 488.6913 | 170.60 | . Q | .V | . Q | . | . Q |

| | | | | | | | | |
|--------|----------|--------|-----|---|---|---|---|---|
| 19.833 | 489.8484 | 168.01 | . Q | . | . | . | V | . |
| 19.917 | 490.9883 | 165.52 | . Q | . | . | . | V | . |
| 20.000 | 492.1117 | 163.12 | . Q | . | . | . | V | . |
| 20.083 | 493.2192 | 160.81 | . Q | . | . | . | V | . |
| 20.167 | 494.3114 | 158.59 | . Q | . | . | . | V | . |
| 20.250 | 495.3888 | 156.44 | . Q | . | . | . | V | . |
| 20.333 | 496.4520 | 154.37 | .Q | . | . | . | V | . |
| 20.417 | 497.5013 | 152.36 | .Q | . | . | . | V | . |
| 20.500 | 498.5373 | 150.43 | .Q | . | . | . | V | . |
| 20.583 | 499.5604 | 148.55 | .Q | . | . | . | V | . |
| 20.667 | 500.5710 | 146.74 | .Q | . | . | . | V | . |
| 20.750 | 501.5695 | 144.98 | .Q | . | . | . | V | . |
| 20.833 | 502.5562 | 143.28 | .Q | . | . | . | V | . |
| 20.917 | 503.5316 | 141.62 | .Q | . | . | . | V | . |
| 21.000 | 504.4959 | 140.02 | .Q | . | . | . | V | . |
| 21.083 | 505.4495 | 138.46 | .Q | . | . | . | V | . |
| 21.167 | 506.3927 | 136.95 | .Q | . | . | . | V | . |
| 21.250 | 507.3257 | 135.48 | .Q | . | . | . | V | . |
| 21.333 | 508.2489 | 134.05 | .Q | . | . | . | V | . |
| 21.417 | 509.1625 | 132.65 | .Q | . | . | . | V | . |
| 21.500 | 510.0667 | 131.30 | .Q | . | . | . | V | . |
| 21.583 | 510.9619 | 129.98 | .Q | . | . | . | V | . |
| 21.667 | 511.8482 | 128.69 | .Q | . | . | . | V | . |
| 21.750 | 512.7259 | 127.44 | .Q | . | . | . | V | . |
| 21.833 | 513.5952 | 126.21 | .Q | . | . | . | V | . |
| 21.917 | 514.4562 | 125.02 | .Q | . | . | . | V | . |
| 22.000 | 515.3092 | 123.86 | .Q | . | . | . | V | . |
| 22.083 | 516.1544 | 122.72 | .Q | . | . | . | V | . |
| 22.167 | 516.9920 | 121.62 | .Q | . | . | . | V | . |
| 22.250 | 517.8221 | 120.53 | .Q | . | . | . | V | . |
| 22.333 | 518.6450 | 119.47 | .Q | . | . | . | V | . |
| 22.417 | 519.4606 | 118.44 | .Q | . | . | . | V | . |
| 22.500 | 520.2693 | 117.43 | .Q | . | . | . | V | . |
| 22.583 | 521.0712 | 116.44 | .Q | . | . | . | V | . |
| 22.667 | 521.8665 | 115.47 | .Q | . | . | . | V | . |
| 22.750 | 522.6552 | 114.52 | .Q | . | . | . | V | . |
| 22.833 | 523.4375 | 113.59 | .Q | . | . | . | V | . |
| 22.917 | 524.2136 | 112.69 | .Q | . | . | . | V | . |
| 23.000 | 524.9835 | 111.80 | .Q | . | . | . | V | . |
| 23.083 | 525.7475 | 110.93 | .Q | . | . | . | V | . |
| 23.167 | 526.5056 | 110.07 | .Q | . | . | . | V | . |
| 23.250 | 527.2579 | 109.23 | .Q | . | . | . | V | . |
| 23.333 | 528.0045 | 108.41 | .Q | . | . | . | V | . |
| 23.417 | 528.7456 | 107.61 | .Q | . | . | . | V | . |
| 23.500 | 529.4813 | 106.82 | .Q | . | . | . | V | . |
| 23.583 | 530.2115 | 106.04 | .Q | . | . | . | V | . |
| 23.667 | 530.9366 | 105.28 | .Q | . | . | . | V | . |
| 23.750 | 531.6566 | 104.54 | .Q | . | . | . | V | . |
| 23.833 | 532.3715 | 103.80 | .Q | . | . | . | V | . |
| 23.917 | 533.0815 | 103.08 | .Q | . | . | . | V | . |
| 24.000 | 533.7866 | 102.38 | .Q | . | . | . | V | . |
| 24.083 | 534.4742 | 99.84 | .Q | . | . | . | V | . |
| 24.167 | 535.0963 | 90.32 | .Q | . | . | . | V | . |
| 24.250 | 535.5917 | 71.95 | Q | . | . | . | V | . |
| 24.333 | 535.9199 | 47.64 | Q | . | . | . | V | . |
| 24.417 | 536.0971 | 25.74 | Q | . | . | . | V | . |
| 24.500 | 536.1861 | 12.92 | Q | . | . | . | V | . |
| 24.583 | 536.2297 | 6.33 | Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|------|---|---|---|---|---|---|
| 24.667 | 536.2501 | 2.96 | Q | . | . | . | V | . |
| 24.750 | 536.2616 | 1.68 | Q | . | . | . | V | . |
| 24.833 | 536.2692 | 1.11 | Q | . | . | . | V | . |
| 24.917 | 536.2733 | 0.59 | Q | . | . | . | V | . |
| 25.000 | 536.2750 | 0.24 | Q | . | . | . | V | . |
| 25.083 | 536.2754 | 0.06 | Q | . | . | . | V | . |
| 25.167 | 536.2754 | 0.00 | 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% | 1505.0 |
| 10% | 340.0 |
| 20% | 115.0 |
| 30% | 45.0 |
| 40% | 35.0 |
| 50% | 25.0 |
| 60% | 25.0 |
| 70% | 15.0 |
| 80% | 15.0 |
| 90% | 5.0 |

END OF FLOODSCx ROUTING ANALYSIS

FLOOD ROUTING ANALYSIS
USING COUNTY HYDROLOGY MANUAL OF ORANGE (1986)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED C *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 2-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3C02EVS.DAT
TIME/DATE OF STUDY: 14:49 07/21/2022

FLOW PROCESS FROM NODE 320.00 TO NODE 331.00 IS CODE = 1

>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

=====

(UNIT-HYDROGRAPH ADDED TO STREAM #1)

WATERSHED AREA = 1292.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.369 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED) S-GRAPH SELECTED
MAXIMUM WATERSHED LOSS RATE (INCH/HOUR) = 0.259
LOW LOSS FRACTION = 0.479
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL (INCH) = 0.13
SPECIFIED PEAK 30-MINUTES RAINFALL (INCH) = 0.28
SPECIFIED PEAK 1-HOUR RAINFALL (INCH) = 0.37
SPECIFIED PEAK 3-HOUR RAINFALL (INCH) = 0.62
SPECIFIED PEAK 6-HOUR RAINFALL (INCH) = 0.85
SPECIFIED PEAK 24-HOUR RAINFALL (INCH) = 1.44

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.942
30-MINUTE FACTOR = 0.942
1-HOUR FACTOR = 0.942
3-HOUR FACTOR = 0.991
6-HOUR FACTOR = 0.996
24-HOUR FACTOR = 0.997

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 22.584

UNIT HYDROGRAPH DETERMINATION

| INTERVAL NUMBER | "S" GRAPH MEAN VALUES | UNIT HYDROGRAPH ORDINATES (CFS) |
|-----------------|-----------------------|---------------------------------|
| 1 | 1.325 | 207.019 |
| 2 | 5.978 | 727.298 |
| 3 | 17.110 | 1739.831 |
| 4 | 31.865 | 2305.958 |
| 5 | 50.538 | 2918.319 |
| 6 | 68.546 | 2814.486 |
| 7 | 81.012 | 1948.218 |
| 8 | 88.862 | 1226.851 |
| 9 | 93.529 | 729.468 |
| 10 | 96.354 | 441.424 |
| 11 | 97.929 | 246.188 |
| 12 | 98.463 | 83.544 |
| 13 | 98.887 | 66.164 |
| 14 | 99.310 | 66.122 |
| 15 | 99.724 | 64.719 |
| 16 | 99.931 | 32.359 |
| 17 | 100.000 | 10.786 |

TOTAL SOIL-LOSS VOLUME (ACRE-FEET) = 70.0938
TOTAL STORM RUNOFF VOLUME (ACRE-FEET) = 84.5359

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 FIVE-MINUTE UNIT INTERVALS(CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME(HRS) | VOLUME(AF) | Q(CFS) | 0. | 125.0 | 250.0 | 375.0 | 500.0 |
|-----------|------------|--------|-----|-------|-------|-------|-------|
| 0.083 | 0.0014 | 0.21 | Q | . | . | . | . |
| 0.167 | 0.0078 | 0.93 | Q | . | . | . | . |
| 0.250 | 0.0261 | 2.66 | Q | . | . | . | . |
| 0.333 | 0.0602 | 4.95 | Q | . | . | . | . |
| 0.417 | 0.1144 | 7.86 | Q | . | . | . | . |
| 0.500 | 0.1879 | 10.68 | Q | . | . | . | . |
| 0.583 | 0.2750 | 12.65 | VQ | . | . | . | . |
| 0.667 | 0.3708 | 13.90 | VQ | . | . | . | . |
| 0.750 | 0.4718 | 14.67 | VQ | . | . | . | . |
| 0.833 | 0.5762 | 15.16 | VQ | . | . | . | . |
| 0.917 | 0.6827 | 15.45 | VQ | . | . | . | . |
| 1.000 | 0.7900 | 15.59 | VQ | . | . | . | . |
| 1.083 | 0.8982 | 15.71 | VQ | . | . | . | . |
| 1.167 | 1.0072 | 15.83 | VQ | . | . | . | . |
| 1.250 | 1.1170 | 15.94 | VQ | . | . | . | . |
| 1.333 | 1.2274 | 16.03 | VQ | . | . | . | . |
| 1.417 | 1.3382 | 16.10 | VQ | . | . | . | . |
| 1.500 | 1.4495 | 16.15 | VQ | . | . | . | . |
| 1.583 | 1.5611 | 16.21 | VQ | . | . | . | . |
| 1.667 | 1.6731 | 16.26 | VQ | . | . | . | . |
| 1.750 | 1.7855 | 16.32 | VQ | . | . | . | . |
| 1.833 | 1.8983 | 16.38 | VQ | . | . | . | . |
| 1.917 | 2.0115 | 16.44 | VQ | . | . | . | . |
| 2.000 | 2.1251 | 16.49 | .Q | . | . | . | . |
| 2.083 | 2.2391 | 16.55 | .Q | . | . | . | . |
| 2.167 | 2.3535 | 16.61 | .Q | . | . | . | . |
| 2.250 | 2.4683 | 16.67 | .Q | . | . | . | . |
| 2.333 | 2.5835 | 16.73 | .Q | . | . | . | . |
| 2.417 | 2.6992 | 16.79 | .Q | . | . | . | . |
| 2.500 | 2.8153 | 16.86 | .Q | . | . | . | . |
| 2.583 | 2.9318 | 16.92 | .Q | . | . | . | . |
| 2.667 | 3.0488 | 16.98 | .Q | . | . | . | . |
| 2.750 | 3.1662 | 17.05 | .Q | . | . | . | . |
| 2.833 | 3.2840 | 17.11 | .Q | . | . | . | . |
| 2.917 | 3.4023 | 17.18 | .Q | . | . | . | . |
| 3.000 | 3.5210 | 17.24 | .Q | . | . | . | . |
| 3.083 | 3.6402 | 17.31 | .Q | . | . | . | . |
| 3.167 | 3.7599 | 17.37 | .Q | . | . | . | . |
| 3.250 | 3.8800 | 17.44 | .Q | . | . | . | . |
| 3.333 | 4.0006 | 17.51 | .Q | . | . | . | . |
| 3.417 | 4.1217 | 17.58 | .Q | . | . | . | . |
| 3.500 | 4.2433 | 17.65 | .QV | . | . | . | . |
| 3.583 | 4.3653 | 17.72 | .QV | . | . | . | . |
| 3.667 | 4.4878 | 17.79 | .QV | . | . | . | . |
| 3.750 | 4.6109 | 17.86 | .QV | . | . | . | . |
| 3.833 | 4.7344 | 17.94 | .QV | . | . | . | . |
| 3.917 | 4.8584 | 18.01 | .QV | . | . | . | . |

| | | | | | | | |
|-------|---------|-------|------|---|---|---|---|
| 4.000 | 4.9830 | 18.08 | .QV | . | . | . | . |
| 4.083 | 5.1081 | 18.16 | .QV | . | . | . | . |
| 4.167 | 5.2337 | 18.24 | .QV | . | . | . | . |
| 4.250 | 5.3598 | 18.31 | .QV | . | . | . | . |
| 4.333 | 5.4864 | 18.39 | .QV | . | . | . | . |
| 4.417 | 5.6136 | 18.47 | .QV | . | . | . | . |
| 4.500 | 5.7414 | 18.55 | .QV | . | . | . | . |
| 4.583 | 5.8697 | 18.63 | .QV | . | . | . | . |
| 4.667 | 5.9985 | 18.71 | .QV | . | . | . | . |
| 4.750 | 6.1280 | 18.79 | .QV | . | . | . | . |
| 4.833 | 6.2580 | 18.88 | .QV | . | . | . | . |
| 4.917 | 6.3886 | 18.96 | .Q V | . | . | . | . |
| 5.000 | 6.5197 | 19.05 | .Q V | . | . | . | . |
| 5.083 | 6.6515 | 19.13 | .Q V | . | . | . | . |
| 5.167 | 6.7838 | 19.22 | .Q V | . | . | . | . |
| 5.250 | 6.9168 | 19.31 | .Q V | . | . | . | . |
| 5.333 | 7.0504 | 19.40 | .Q V | . | . | . | . |
| 5.417 | 7.1846 | 19.49 | .Q V | . | . | . | . |
| 5.500 | 7.3194 | 19.58 | .Q V | . | . | . | . |
| 5.583 | 7.4549 | 19.67 | .Q V | . | . | . | . |
| 5.667 | 7.5910 | 19.76 | .Q V | . | . | . | . |
| 5.750 | 7.7278 | 19.86 | .Q V | . | . | . | . |
| 5.833 | 7.8653 | 19.96 | .Q V | . | . | . | . |
| 5.917 | 8.0034 | 20.05 | .Q V | . | . | . | . |
| 6.000 | 8.1422 | 20.15 | .Q V | . | . | . | . |
| 6.083 | 8.2816 | 20.25 | .Q V | . | . | . | . |
| 6.167 | 8.4218 | 20.35 | .Q V | . | . | . | . |
| 6.250 | 8.5627 | 20.46 | .Q V | . | . | . | . |
| 6.333 | 8.7043 | 20.56 | .Q V | . | . | . | . |
| 6.417 | 8.8466 | 20.67 | .Q V | . | . | . | . |
| 6.500 | 8.9897 | 20.77 | .Q V | . | . | . | . |
| 6.583 | 9.1335 | 20.88 | .Q V | . | . | . | . |
| 6.667 | 9.2780 | 20.99 | .Q V | . | . | . | . |
| 6.750 | 9.4234 | 21.10 | .Q V | . | . | . | . |
| 6.833 | 9.5695 | 21.21 | .Q V | . | . | . | . |
| 6.917 | 9.7164 | 21.33 | .Q V | . | . | . | . |
| 7.000 | 9.8641 | 21.44 | .Q V | . | . | . | . |
| 7.083 | 10.0126 | 21.56 | .Q V | . | . | . | . |
| 7.167 | 10.1619 | 21.68 | .Q V | . | . | . | . |
| 7.250 | 10.3121 | 21.80 | .Q V | . | . | . | . |
| 7.333 | 10.4631 | 21.93 | .Q V | . | . | . | . |
| 7.417 | 10.6149 | 22.05 | .Q V | . | . | . | . |
| 7.500 | 10.7677 | 22.18 | .Q V | . | . | . | . |
| 7.583 | 10.9213 | 22.31 | .Q V | . | . | . | . |
| 7.667 | 11.0758 | 22.44 | .Q V | . | . | . | . |
| 7.750 | 11.2313 | 22.57 | .Q V | . | . | . | . |
| 7.833 | 11.3876 | 22.70 | .Q V | . | . | . | . |
| 7.917 | 11.5449 | 22.84 | .Q V | . | . | . | . |
| 8.000 | 11.7032 | 22.98 | .Q V | . | . | . | . |
| 8.083 | 11.8624 | 23.12 | .Q V | . | . | . | . |
| 8.167 | 12.0227 | 23.26 | .Q V | . | . | . | . |
| 8.250 | 12.1839 | 23.41 | .Q V | . | . | . | . |
| 8.333 | 12.3462 | 23.56 | .Q V | . | . | . | . |
| 8.417 | 12.5094 | 23.71 | .Q V | . | . | . | . |
| 8.500 | 12.6738 | 23.86 | .Q V | . | . | . | . |
| 8.583 | 12.8392 | 24.02 | .Q V | . | . | . | . |
| 8.667 | 13.0057 | 24.18 | .Q V | . | . | . | . |
| 8.750 | 13.1734 | 24.34 | .Q V | . | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 8.833 | 13.3421 | 24.50 | .Q | V | . | . | . |
| 8.917 | 13.5120 | 24.67 | .Q | V | . | . | . |
| 9.000 | 13.6831 | 24.84 | .Q | V | . | . | . |
| 9.083 | 13.8554 | 25.01 | .Q | V | . | . | . |
| 9.167 | 14.0289 | 25.19 | .Q | V | . | . | . |
| 9.250 | 14.2036 | 25.37 | .Q | V | . | . | . |
| 9.333 | 14.3796 | 25.55 | .Q | V | . | . | . |
| 9.417 | 14.5569 | 25.74 | .Q | V | . | . | . |
| 9.500 | 14.7354 | 25.93 | .Q | V | . | . | . |
| 9.583 | 14.9154 | 26.13 | .Q | V | . | . | . |
| 9.667 | 15.0967 | 26.32 | .Q | V | . | . | . |
| 9.750 | 15.2793 | 26.53 | .Q | V | . | . | . |
| 9.833 | 15.4634 | 26.73 | .Q | V | . | . | . |
| 9.917 | 15.6490 | 26.94 | .Q | V | . | . | . |
| 10.000 | 15.8360 | 27.16 | .Q | V | . | . | . |
| 10.083 | 16.0246 | 27.38 | .Q | V | . | . | . |
| 10.167 | 16.2146 | 27.60 | .Q | V | . | . | . |
| 10.250 | 16.4063 | 27.83 | .Q | V | . | . | . |
| 10.333 | 16.5996 | 28.06 | .Q | V | . | . | . |
| 10.417 | 16.7945 | 28.30 | .Q | V | . | . | . |
| 10.500 | 16.9911 | 28.54 | .Q | V | . | . | . |
| 10.583 | 17.1894 | 28.80 | .Q | V | . | . | . |
| 10.667 | 17.3895 | 29.05 | .Q | V | . | . | . |
| 10.750 | 17.5913 | 29.31 | .Q | V | . | . | . |
| 10.833 | 17.7951 | 29.58 | .Q | V | . | . | . |
| 10.917 | 18.0007 | 29.86 | .Q | V | . | . | . |
| 11.000 | 18.2082 | 30.14 | .Q | V | . | . | . |
| 11.083 | 18.4178 | 30.43 | .Q | V | . | . | . |
| 11.167 | 18.6294 | 30.72 | .Q | V | . | . | . |
| 11.250 | 18.8431 | 31.03 | .Q | V | . | . | . |
| 11.333 | 19.0589 | 31.34 | .Q | V | . | . | . |
| 11.417 | 19.2769 | 31.66 | .Q | V | . | . | . |
| 11.500 | 19.4972 | 31.99 | .Q | V | . | . | . |
| 11.583 | 19.7198 | 32.32 | .Q | V | . | . | . |
| 11.667 | 19.9448 | 32.67 | .Q | V | . | . | . |
| 11.750 | 20.1723 | 33.03 | .Q | V | . | . | . |
| 11.833 | 20.4023 | 33.40 | .Q | V | . | . | . |
| 11.917 | 20.6349 | 33.78 | .Q | V | . | . | . |
| 12.000 | 20.8702 | 34.16 | .Q | V | . | . | . |
| 12.083 | 21.1090 | 34.67 | .Q | V | . | . | . |
| 12.167 | 21.3530 | 35.44 | .Q | V | . | . | . |
| 12.250 | 21.6059 | 36.72 | .Q | V | . | . | . |
| 12.333 | 21.8697 | 38.30 | .Q | V | . | . | . |
| 12.417 | 22.1465 | 40.19 | .Q | V | . | . | . |
| 12.500 | 22.4361 | 42.05 | .Q | V | . | . | . |
| 12.583 | 22.7358 | 43.52 | .Q | V | . | . | . |
| 12.667 | 23.0433 | 44.64 | .Q | V | . | . | . |
| 12.750 | 23.3570 | 45.55 | .Q | .V | . | . | . |
| 12.833 | 23.6761 | 46.33 | .Q | .V | . | . | . |
| 12.917 | 24.0000 | 47.04 | .Q | .V | . | . | . |
| 13.000 | 24.3285 | 47.69 | .Q | .V | . | . | . |
| 13.083 | 24.6616 | 48.36 | .Q | .V | . | . | . |
| 13.167 | 24.9994 | 49.05 | .Q | .V | . | . | . |
| 13.250 | 25.3421 | 49.77 | .Q | .V | . | . | . |
| 13.333 | 25.6899 | 50.50 | .Q | .V | . | . | . |
| 13.417 | 26.0429 | 51.25 | .Q | .V | . | . | . |
| 13.500 | 26.4011 | 52.02 | .Q | .V | . | . | . |
| 13.583 | 26.7650 | 52.84 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|--------|----|----|-----|----|---|
| 13.667 | 27.1348 | 53.68 | .Q | .V | . | . | . |
| 13.750 | 27.5106 | 54.58 | .Q | .V | . | . | . |
| 13.833 | 27.8929 | 55.50 | .Q | .V | . | . | . |
| 13.917 | 28.2819 | 56.49 | .Q | .V | . | . | . |
| 14.000 | 28.6780 | 57.52 | .Q | .V | . | . | . |
| 14.083 | 29.0824 | 58.71 | .Q | .V | . | . | . |
| 14.167 | 29.4970 | 60.21 | .Q | .V | . | . | . |
| 14.250 | 29.9259 | 62.27 | .Q | .V | . | . | . |
| 14.333 | 30.3713 | 64.68 | .Q | .V | . | . | . |
| 14.417 | 30.8360 | 67.47 | .Q | .V | . | . | . |
| 14.500 | 31.3202 | 70.30 | .Q | .V | . | . | . |
| 14.583 | 31.8216 | 72.81 | .Q | .V | . | . | . |
| 14.667 | 32.3387 | 75.07 | .Q | .V | . | . | . |
| 14.750 | 32.8706 | 77.24 | .Q | .V | . | . | . |
| 14.833 | 33.4173 | 79.38 | .Q | .V | . | . | . |
| 14.917 | 33.9794 | 81.61 | .Q | .V | . | . | . |
| 15.000 | 34.5573 | 83.91 | .Q | .V | . | . | . |
| 15.083 | 35.1527 | 86.45 | .Q | .V | . | . | . |
| 15.167 | 35.7670 | 89.20 | .Q | .V | . | . | . |
| 15.250 | 36.4026 | 92.28 | .Q | .V | . | . | . |
| 15.333 | 37.0614 | 95.65 | .Q | .V | . | . | . |
| 15.417 | 37.7440 | 99.12 | .Q | .V | . | . | . |
| 15.500 | 38.4475 | 102.15 | .Q | .V | . | . | . |
| 15.583 | 39.1649 | 104.15 | .Q | .V | . | . | . |
| 15.667 | 39.8945 | 105.94 | .Q | .V | . | . | . |
| 15.750 | 40.6388 | 108.08 | .Q | .V | . | . | . |
| 15.833 | 41.4121 | 112.28 | .Q | .V | . | . | . |
| 15.917 | 42.2499 | 121.65 | .Q | .V | . | . | . |
| 16.000 | 43.1979 | 137.65 | .Q | .V | . | . | . |
| 16.083 | 44.4314 | 179.10 | . | .Q | .V | . | . |
| 16.167 | 46.1627 | 251.39 | . | . | .QV | . | . |
| 16.250 | 48.6440 | 360.28 | . | . | .V | .Q | . |
| 16.333 | 51.5524 | 422.30 | . | . | .V | .Q | . |
| 16.417 | 54.7929 | 470.52 | . | . | .V | .Q | . |
| 16.500 | 57.8421 | 442.75 | . | . | .V | .Q | . |
| 16.583 | 60.2158 | 344.66 | . | . | .QV | . | . |
| 16.667 | 62.0015 | 259.28 | . | . | .Q | .V | . |
| 16.750 | 63.3671 | 198.28 | . | .Q | . | .V | . |
| 16.833 | 64.4654 | 159.48 | . | .Q | . | .V | . |
| 16.917 | 65.3699 | 131.33 | . | .Q | . | .V | . |
| 17.000 | 66.1188 | 108.74 | . | .Q | . | .V | . |
| 17.083 | 66.8087 | 100.18 | . | .Q | . | .V | . |
| 17.167 | 67.4568 | 94.10 | . | .Q | . | .V | . |
| 17.250 | 68.0624 | 87.93 | . | .Q | . | .V | . |
| 17.333 | 68.6090 | 79.36 | . | .Q | . | .V | . |
| 17.417 | 69.1055 | 72.10 | . | .Q | . | .V | . |
| 17.500 | 69.5635 | 66.50 | . | .Q | . | .V | . |
| 17.583 | 69.9958 | 62.77 | . | .Q | . | .V | . |
| 17.667 | 70.4071 | 59.72 | . | .Q | . | .V | . |
| 17.750 | 70.8009 | 57.18 | . | .Q | . | .V | . |
| 17.833 | 71.1796 | 54.98 | . | .Q | . | .V | . |
| 17.917 | 71.5452 | 53.08 | . | .Q | . | .V | . |
| 18.000 | 71.8993 | 51.42 | . | .Q | . | .V | . |
| 18.083 | 72.2423 | 49.80 | . | .Q | . | .V | . |
| 18.167 | 72.5732 | 48.05 | . | .Q | . | .V | . |
| 18.250 | 72.8893 | 45.91 | . | .Q | . | .V | . |
| 18.333 | 73.1896 | 43.60 | . | .Q | . | .V | . |
| 18.417 | 73.4727 | 41.10 | . | .Q | . | .V | . |

| | | | | | | | | |
|--------|---------|-------|-----|---|---|---|---|---|
| 18.500 | 73.7394 | 38.73 | . Q | . | . | . | V | . |
| 18.583 | 73.9932 | 36.86 | . Q | . | . | . | V | . |
| 18.667 | 74.2370 | 35.40 | . Q | . | . | . | V | . |
| 18.750 | 74.4729 | 34.24 | . Q | . | . | . | V | . |
| 18.833 | 74.7020 | 33.27 | . Q | . | . | . | V | . |
| 18.917 | 74.9255 | 32.45 | . Q | . | . | . | V | . |
| 19.000 | 75.1441 | 31.74 | . Q | . | . | . | V | . |
| 19.083 | 75.3581 | 31.07 | . Q | . | . | . | V | . |
| 19.167 | 75.5677 | 30.44 | . Q | . | . | . | V | . |
| 19.250 | 75.7732 | 29.84 | . Q | . | . | . | V | . |
| 19.333 | 75.9748 | 29.28 | . Q | . | . | . | V | . |
| 19.417 | 76.1729 | 28.75 | . Q | . | . | . | V | . |
| 19.500 | 76.3675 | 28.26 | . Q | . | . | . | V | . |
| 19.583 | 76.5589 | 27.79 | . Q | . | . | . | V | . |
| 19.667 | 76.7471 | 27.34 | . Q | . | . | . | V | . |
| 19.750 | 76.9324 | 26.90 | . Q | . | . | . | V | . |
| 19.833 | 77.1148 | 26.49 | . Q | . | . | . | V | . |
| 19.917 | 77.2945 | 26.09 | . Q | . | . | . | V | . |
| 20.000 | 77.4715 | 25.70 | . Q | . | . | . | V | . |
| 20.083 | 77.6459 | 25.33 | . Q | . | . | . | V | . |
| 20.167 | 77.8180 | 24.98 | .Q | . | . | . | V | . |
| 20.250 | 77.9876 | 24.63 | .Q | . | . | . | V | . |
| 20.333 | 78.1550 | 24.30 | .Q | . | . | . | V | . |
| 20.417 | 78.3202 | 23.98 | .Q | . | . | . | V | . |
| 20.500 | 78.4832 | 23.68 | .Q | . | . | . | V | . |
| 20.583 | 78.6442 | 23.38 | .Q | . | . | . | V | . |
| 20.667 | 78.8033 | 23.09 | .Q | . | . | . | V | . |
| 20.750 | 78.9603 | 22.81 | .Q | . | . | . | V | . |
| 20.833 | 79.1156 | 22.54 | .Q | . | . | . | V | . |
| 20.917 | 79.2690 | 22.28 | .Q | . | . | . | V | . |
| 21.000 | 79.4206 | 22.02 | .Q | . | . | . | V | . |
| 21.083 | 79.5706 | 21.77 | .Q | . | . | . | V | . |
| 21.167 | 79.7189 | 21.53 | .Q | . | . | . | V | . |
| 21.250 | 79.8656 | 21.30 | .Q | . | . | . | V | . |
| 21.333 | 80.0107 | 21.07 | .Q | . | . | . | V | . |
| 21.417 | 80.1543 | 20.85 | .Q | . | . | . | V | . |
| 21.500 | 80.2964 | 20.64 | .Q | . | . | . | V | . |
| 21.583 | 80.4371 | 20.43 | .Q | . | . | . | V | . |
| 21.667 | 80.5764 | 20.23 | .Q | . | . | . | V | . |
| 21.750 | 80.7144 | 20.03 | .Q | . | . | . | V | . |
| 21.833 | 80.8510 | 19.83 | .Q | . | . | . | V | . |
| 21.917 | 80.9863 | 19.65 | .Q | . | . | . | V | . |
| 22.000 | 81.1203 | 19.46 | .Q | . | . | . | V | . |
| 22.083 | 81.2531 | 19.28 | .Q | . | . | . | V | . |
| 22.167 | 81.3847 | 19.11 | .Q | . | . | . | V | . |
| 22.250 | 81.5151 | 18.94 | .Q | . | . | . | V | . |
| 22.333 | 81.6444 | 18.77 | .Q | . | . | . | V | . |
| 22.417 | 81.7725 | 18.61 | .Q | . | . | . | V | . |
| 22.500 | 81.8996 | 18.45 | .Q | . | . | . | V | . |
| 22.583 | 82.0255 | 18.29 | .Q | . | . | . | V | . |
| 22.667 | 82.1504 | 18.14 | .Q | . | . | . | V | . |
| 22.750 | 82.2743 | 17.99 | .Q | . | . | . | V | . |
| 22.833 | 82.3972 | 17.84 | .Q | . | . | . | V | . |
| 22.917 | 82.5191 | 17.70 | .Q | . | . | . | V | . |
| 23.000 | 82.6401 | 17.56 | .Q | . | . | . | V | . |
| 23.083 | 82.7600 | 17.42 | .Q | . | . | . | V | . |
| 23.167 | 82.8791 | 17.29 | .Q | . | . | . | V | . |
| 23.250 | 82.9973 | 17.16 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|---------|-------|----|---|---|---|---|---|
| 23.333 | 83.1145 | 17.03 | .Q | . | . | . | V | . |
| 23.417 | 83.2309 | 16.90 | .Q | . | . | . | V | . |
| 23.500 | 83.3465 | 16.78 | .Q | . | . | . | V | . |
| 23.583 | 83.4612 | 16.65 | .Q | . | . | . | V | . |
| 23.667 | 83.5750 | 16.53 | .Q | . | . | . | V | . |
| 23.750 | 83.6881 | 16.42 | .Q | . | . | . | V | . |
| 23.833 | 83.8004 | 16.30 | .Q | . | . | . | V | . |
| 23.917 | 83.9119 | 16.19 | .Q | . | . | . | V | . |
| 24.000 | 84.0226 | 16.08 | .Q | . | . | . | V | . |
| 24.083 | 84.1312 | 15.76 | .Q | . | . | . | V | . |
| 24.167 | 84.2341 | 14.94 | .Q | . | . | . | V | . |
| 24.250 | 84.3244 | 13.12 | .Q | . | . | . | V | . |
| 24.333 | 84.3984 | 10.75 | Q | . | . | . | V | . |
| 24.417 | 84.4520 | 7.79 | Q | . | . | . | V | . |
| 24.500 | 84.4861 | 4.95 | Q | . | . | . | V | . |
| 24.583 | 84.5066 | 2.99 | Q | . | . | . | V | . |
| 24.667 | 84.5187 | 1.75 | Q | . | . | . | V | . |
| 24.750 | 84.5257 | 1.02 | Q | . | . | . | V | . |
| 24.833 | 84.5297 | 0.57 | Q | . | . | . | V | . |
| 24.917 | 84.5319 | 0.33 | Q | . | . | . | V | . |
| 25.000 | 84.5336 | 0.24 | Q | . | . | . | V | . |
| 25.083 | 84.5348 | 0.17 | Q | . | . | . | V | . |
| 25.167 | 84.5355 | 0.11 | Q | . | . | . | V | . |
| 25.250 | 84.5358 | 0.04 | Q | . | . | . | V | . |
| 25.333 | 84.5359 | 0.01 | 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% | 1520.0 |
| 10% | 315.0 |
| 20% | 110.0 |
| 30% | 50.0 |
| 40% | 40.0 |
| 50% | 35.0 |
| 60% | 25.0 |
| 70% | 25.0 |
| 80% | 15.0 |
| 90% | 10.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING ANALYSIS

FLOOD ROUTING ANALYSIS
USING COUNTY HYDROLOGY MANUAL OF ORANGE (1986)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1237

Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED C *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 5-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3C05EVS.DAT
TIME/DATE OF STUDY: 07:17 07/26/2022

FLOW PROCESS FROM NODE 320.00 TO NODE 331.00 IS CODE = 1

>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #1)

WATERSHED AREA = 1292.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.338 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED) S-GRAPH SELECTED
MAXIMUM WATERSHED LOSS RATE (INCH/HOUR) = 0.216
LOW LOSS FRACTION = 0.413
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL (INCH) = 0.18
SPECIFIED PEAK 30-MINUTES RAINFALL (INCH) = 0.41
SPECIFIED PEAK 1-HOUR RAINFALL (INCH) = 0.55
SPECIFIED PEAK 3-HOUR RAINFALL (INCH) = 0.92
SPECIFIED PEAK 6-HOUR RAINFALL (INCH) = 1.27
SPECIFIED PEAK 24-HOUR RAINFALL (INCH) = 2.12

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.942
30-MINUTE FACTOR = 0.942
1-HOUR FACTOR = 0.942
3-HOUR FACTOR = 0.991
6-HOUR FACTOR = 0.996
24-HOUR FACTOR = 0.997

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 24.655

UNIT HYDROGRAPH DETERMINATION

| INTERVAL NUMBER | "S" GRAPH MEAN VALUES | UNIT HYDROGRAPH ORDINATES (CFS) |
|-----------------|-----------------------|---------------------------------|
| 1 | 1.471 | 229.860 |
| 2 | 7.192 | 894.131 |
| 3 | 20.268 | 2043.651 |
| 4 | 37.509 | 2694.537 |
| 5 | 58.405 | 3265.742 |
| 6 | 75.493 | 2670.730 |
| 7 | 86.185 | 1670.938 |
| 8 | 92.254 | 948.526 |
| 9 | 95.857 | 563.161 |
| 10 | 97.777 | 300.125 |
| 11 | 98.448 | 104.742 |
| 12 | 98.910 | 72.256 |
| 13 | 99.361 | 70.534 |
| 14 | 99.745 | 59.892 |
| 15 | 99.936 | 29.947 |
| 16 | 100.000 | 9.981 |

TOTAL SOIL-LOSS VOLUME (ACRE-FEET) = 87.3632
TOTAL STORM RUNOFF VOLUME (ACRE-FEET) = 140.2778

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 FIVE-MINUTE UNIT INTERVALS(CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME(HRS) | VOLUME(AF) | Q(CFS) | 0. | 225.0 | 450.0 | 675.0 | 900.0 |
|-----------|------------|--------|-----|-------|-------|-------|-------|
| 0.083 | 0.0025 | 0.37 | Q | . | . | . | . |
| 0.167 | 0.0149 | 1.80 | Q | . | . | . | . |
| 0.250 | 0.0499 | 5.07 | Q | . | . | . | . |
| 0.333 | 0.1146 | 9.40 | Q | . | . | . | . |
| 0.417 | 0.2155 | 14.65 | Q | . | . | . | . |
| 0.500 | 0.3462 | 18.97 | Q | . | . | . | . |
| 0.583 | 0.4957 | 21.71 | Q | . | . | . | . |
| 0.667 | 0.6562 | 23.30 | VQ | . | . | . | . |
| 0.750 | 0.8233 | 24.28 | VQ | . | . | . | . |
| 0.833 | 0.9944 | 24.84 | VQ | . | . | . | . |
| 0.917 | 1.1672 | 25.09 | VQ | . | . | . | . |
| 1.000 | 1.3413 | 25.29 | VQ | . | . | . | . |
| 1.083 | 1.5169 | 25.49 | VQ | . | . | . | . |
| 1.167 | 1.6937 | 25.67 | VQ | . | . | . | . |
| 1.250 | 1.8714 | 25.81 | VQ | . | . | . | . |
| 1.333 | 2.0499 | 25.91 | VQ | . | . | . | . |
| 1.417 | 2.2290 | 26.00 | VQ | . | . | . | . |
| 1.500 | 2.4087 | 26.10 | VQ | . | . | . | . |
| 1.583 | 2.5891 | 26.19 | VQ | . | . | . | . |
| 1.667 | 2.7701 | 26.28 | VQ | . | . | . | . |
| 1.750 | 2.9517 | 26.37 | VQ | . | . | . | . |
| 1.833 | 3.1340 | 26.47 | VQ | . | . | . | . |
| 1.917 | 3.3169 | 26.56 | VQ | . | . | . | . |
| 2.000 | 3.5006 | 26.66 | VQ | . | . | . | . |
| 2.083 | 3.6848 | 26.76 | .Q | . | . | . | . |
| 2.167 | 3.8698 | 26.86 | .Q | . | . | . | . |
| 2.250 | 4.0555 | 26.96 | .Q | . | . | . | . |
| 2.333 | 4.2418 | 27.06 | .Q | . | . | . | . |
| 2.417 | 4.4288 | 27.16 | .Q | . | . | . | . |
| 2.500 | 4.6166 | 27.26 | .Q | . | . | . | . |
| 2.583 | 4.8050 | 27.36 | .Q | . | . | . | . |
| 2.667 | 4.9942 | 27.47 | .Q | . | . | . | . |
| 2.750 | 5.1841 | 27.57 | .Q | . | . | . | . |
| 2.833 | 5.3747 | 27.68 | .Q | . | . | . | . |
| 2.917 | 5.5661 | 27.79 | .Q | . | . | . | . |
| 3.000 | 5.7582 | 27.89 | .Q | . | . | . | . |
| 3.083 | 5.9510 | 28.00 | .Q | . | . | . | . |
| 3.167 | 6.1447 | 28.11 | .Q | . | . | . | . |
| 3.250 | 6.3391 | 28.23 | .Q | . | . | . | . |
| 3.333 | 6.5342 | 28.34 | .Q | . | . | . | . |
| 3.417 | 6.7302 | 28.45 | .Q | . | . | . | . |
| 3.500 | 6.9269 | 28.57 | .Q | . | . | . | . |
| 3.583 | 7.1245 | 28.69 | .QV | . | . | . | . |
| 3.667 | 7.3229 | 28.80 | .QV | . | . | . | . |
| 3.750 | 7.5220 | 28.92 | .QV | . | . | . | . |
| 3.833 | 7.7220 | 29.04 | .QV | . | . | . | . |
| 3.917 | 7.9229 | 29.16 | .QV | . | . | . | . |

| | | | | | | | |
|-------|---------|-------|------|---|---|---|---|
| 4.000 | 8.1246 | 29.29 | .QV | . | . | . | . |
| 4.083 | 8.3271 | 29.41 | .QV | . | . | . | . |
| 4.167 | 8.5306 | 29.54 | .QV | . | . | . | . |
| 4.250 | 8.7349 | 29.66 | .QV | . | . | . | . |
| 4.333 | 8.9400 | 29.79 | .QV | . | . | . | . |
| 4.417 | 9.1461 | 29.92 | .QV | . | . | . | . |
| 4.500 | 9.3531 | 30.05 | .QV | . | . | . | . |
| 4.583 | 9.5610 | 30.19 | .QV | . | . | . | . |
| 4.667 | 9.7698 | 30.32 | .QV | . | . | . | . |
| 4.750 | 9.9795 | 30.46 | .QV | . | . | . | . |
| 4.833 | 10.1902 | 30.59 | .QV | . | . | . | . |
| 4.917 | 10.4019 | 30.73 | .QV | . | . | . | . |
| 5.000 | 10.6145 | 30.87 | .Q V | . | . | . | . |
| 5.083 | 10.8281 | 31.02 | .Q V | . | . | . | . |
| 5.167 | 11.0427 | 31.16 | .Q V | . | . | . | . |
| 5.250 | 11.2583 | 31.31 | .Q V | . | . | . | . |
| 5.333 | 11.4750 | 31.45 | .Q V | . | . | . | . |
| 5.417 | 11.6926 | 31.60 | .Q V | . | . | . | . |
| 5.500 | 11.9113 | 31.75 | .Q V | . | . | . | . |
| 5.583 | 12.1311 | 31.91 | .Q V | . | . | . | . |
| 5.667 | 12.3519 | 32.06 | .Q V | . | . | . | . |
| 5.750 | 12.5738 | 32.22 | .Q V | . | . | . | . |
| 5.833 | 12.7968 | 32.38 | .Q V | . | . | . | . |
| 5.917 | 13.0209 | 32.54 | .Q V | . | . | . | . |
| 6.000 | 13.2462 | 32.70 | .Q V | . | . | . | . |
| 6.083 | 13.4726 | 32.87 | .Q V | . | . | . | . |
| 6.167 | 13.7001 | 33.04 | .Q V | . | . | . | . |
| 6.250 | 13.9288 | 33.21 | .Q V | . | . | . | . |
| 6.333 | 14.1587 | 33.38 | .Q V | . | . | . | . |
| 6.417 | 14.3898 | 33.56 | .Q V | . | . | . | . |
| 6.500 | 14.6221 | 33.73 | .Q V | . | . | . | . |
| 6.583 | 14.8557 | 33.91 | .Q V | . | . | . | . |
| 6.667 | 15.0905 | 34.09 | .Q V | . | . | . | . |
| 6.750 | 15.3266 | 34.28 | .Q V | . | . | . | . |
| 6.833 | 15.5639 | 34.46 | .Q V | . | . | . | . |
| 6.917 | 15.8026 | 34.66 | .Q V | . | . | . | . |
| 7.000 | 16.0426 | 34.85 | .Q V | . | . | . | . |
| 7.083 | 16.2839 | 35.04 | .Q V | . | . | . | . |
| 7.167 | 16.5266 | 35.24 | .Q V | . | . | . | . |
| 7.250 | 16.7707 | 35.44 | .Q V | . | . | . | . |
| 7.333 | 17.0162 | 35.65 | .Q V | . | . | . | . |
| 7.417 | 17.2632 | 35.85 | .Q V | . | . | . | . |
| 7.500 | 17.5115 | 36.06 | .Q V | . | . | . | . |
| 7.583 | 17.7614 | 36.28 | .Q V | . | . | . | . |
| 7.667 | 18.0127 | 36.49 | .Q V | . | . | . | . |
| 7.750 | 18.2656 | 36.71 | .Q V | . | . | . | . |
| 7.833 | 18.5199 | 36.94 | .Q V | . | . | . | . |
| 7.917 | 18.7759 | 37.17 | .Q V | . | . | . | . |
| 8.000 | 19.0335 | 37.40 | .Q V | . | . | . | . |
| 8.083 | 19.2926 | 37.63 | .Q V | . | . | . | . |
| 8.167 | 19.5534 | 37.87 | .Q V | . | . | . | . |
| 8.250 | 19.8159 | 38.11 | .Q V | . | . | . | . |
| 8.333 | 20.0801 | 38.36 | .Q V | . | . | . | . |
| 8.417 | 20.3460 | 38.61 | .Q V | . | . | . | . |
| 8.500 | 20.6136 | 38.86 | .Q V | . | . | . | . |
| 8.583 | 20.8831 | 39.12 | .Q V | . | . | . | . |
| 8.667 | 21.1543 | 39.39 | .Q V | . | . | . | . |
| 8.750 | 21.4275 | 39.66 | .Q V | . | . | . | . |

| | | | | | | | | |
|--------|---------|-------|----|----|---|---|---|---|
| 8.833 | 21.7024 | 39.93 | .Q | V | . | . | . | . |
| 8.917 | 21.9794 | 40.21 | .Q | V | . | . | . | . |
| 9.000 | 22.2582 | 40.49 | .Q | V | . | . | . | . |
| 9.083 | 22.5391 | 40.78 | .Q | V | . | . | . | . |
| 9.167 | 22.8219 | 41.07 | .Q | V | . | . | . | . |
| 9.250 | 23.1069 | 41.37 | .Q | V | . | . | . | . |
| 9.333 | 23.3939 | 41.68 | .Q | V | . | . | . | . |
| 9.417 | 23.6831 | 41.99 | .Q | V | . | . | . | . |
| 9.500 | 23.9745 | 42.31 | .Q | V | . | . | . | . |
| 9.583 | 24.2681 | 42.63 | .Q | V | . | . | . | . |
| 9.667 | 24.5640 | 42.96 | .Q | V | . | . | . | . |
| 9.750 | 24.8622 | 43.30 | .Q | V | . | . | . | . |
| 9.833 | 25.1628 | 43.64 | .Q | V | . | . | . | . |
| 9.917 | 25.4657 | 43.99 | .Q | V | . | . | . | . |
| 10.000 | 25.7712 | 44.35 | .Q | V | . | . | . | . |
| 10.083 | 26.0792 | 44.72 | .Q | V | . | . | . | . |
| 10.167 | 26.3897 | 45.09 | .Q | V | . | . | . | . |
| 10.250 | 26.7029 | 45.48 | .Q | V | . | . | . | . |
| 10.333 | 27.0188 | 45.86 | .Q | V | . | . | . | . |
| 10.417 | 27.3374 | 46.27 | .Q | V | . | . | . | . |
| 10.500 | 27.6588 | 46.67 | .Q | V | . | . | . | . |
| 10.583 | 27.9832 | 47.09 | .Q | V | . | . | . | . |
| 10.667 | 28.3104 | 47.52 | .Q | V | . | . | . | . |
| 10.750 | 28.6407 | 47.96 | .Q | V | . | . | . | . |
| 10.833 | 28.9741 | 48.40 | .Q | V | . | . | . | . |
| 10.917 | 29.3106 | 48.87 | .Q | V | . | . | . | . |
| 11.000 | 29.6504 | 49.34 | .Q | V | . | . | . | . |
| 11.083 | 29.9936 | 49.82 | .Q | V | . | . | . | . |
| 11.167 | 30.3401 | 50.32 | .Q | V | . | . | . | . |
| 11.250 | 30.6901 | 50.83 | .Q | V | . | . | . | . |
| 11.333 | 31.0438 | 51.35 | .Q | V | . | . | . | . |
| 11.417 | 31.4011 | 51.89 | .Q | V | . | . | . | . |
| 11.500 | 31.7622 | 52.43 | .Q | V | . | . | . | . |
| 11.583 | 32.1273 | 53.01 | .Q | V | . | . | . | . |
| 11.667 | 32.4963 | 53.58 | .Q | V | . | . | . | . |
| 11.750 | 32.8695 | 54.19 | .Q | V | . | . | . | . |
| 11.833 | 33.2469 | 54.80 | .Q | V | . | . | . | . |
| 11.917 | 33.6288 | 55.44 | .Q | V | . | . | . | . |
| 12.000 | 34.0151 | 56.09 | .Q | V | . | . | . | . |
| 12.083 | 34.4077 | 57.01 | .Q | V | . | . | . | . |
| 12.167 | 34.8115 | 58.63 | .Q | V | . | . | . | . |
| 12.250 | 35.2350 | 61.48 | .Q | V | . | . | . | . |
| 12.333 | 35.6828 | 65.03 | .Q | V | . | . | . | . |
| 12.417 | 36.1595 | 69.21 | .Q | V | . | . | . | . |
| 12.500 | 36.6609 | 72.80 | .Q | V | . | . | . | . |
| 12.583 | 37.1802 | 75.40 | .Q | V | . | . | . | . |
| 12.667 | 37.7124 | 77.28 | .Q | V | . | . | . | . |
| 12.750 | 38.2552 | 78.81 | .Q | V | . | . | . | . |
| 12.833 | 38.8067 | 80.08 | .Q | .V | . | . | . | . |
| 12.917 | 39.3659 | 81.20 | .Q | .V | . | . | . | . |
| 13.000 | 39.9328 | 82.31 | .Q | .V | . | . | . | . |
| 13.083 | 40.5078 | 83.48 | .Q | .V | . | . | . | . |
| 13.167 | 41.0908 | 84.66 | .Q | .V | . | . | . | . |
| 13.250 | 41.6822 | 85.87 | .Q | .V | . | . | . | . |
| 13.333 | 42.2820 | 87.09 | .Q | .V | . | . | . | . |
| 13.417 | 42.8907 | 88.37 | .Q | .V | . | . | . | . |
| 13.500 | 43.5084 | 89.69 | .Q | .V | . | . | . | . |
| 13.583 | 44.1357 | 91.09 | .Q | .V | . | . | . | . |

| | | | | | | | | |
|--------|----------|--------|----|----|-----|----|----|---|
| 13.667 | 44.7730 | 92.53 | .Q | .V | . | . | . | . |
| 13.750 | 45.4208 | 94.06 | .Q | .V | . | . | . | . |
| 13.833 | 46.0795 | 95.65 | .Q | .V | . | . | . | . |
| 13.917 | 46.7499 | 97.34 | .Q | .V | . | . | . | . |
| 14.000 | 47.4323 | 99.09 | .Q | .V | . | . | . | . |
| 14.083 | 48.1287 | 101.11 | .Q | .V | . | . | . | . |
| 14.167 | 48.8425 | 103.64 | .Q | .V | . | . | . | . |
| 14.250 | 49.5797 | 107.05 | .Q | .V | . | . | . | . |
| 14.333 | 50.3439 | 110.97 | .Q | .V | . | . | . | . |
| 14.417 | 51.1389 | 115.43 | .Q | .V | . | . | . | . |
| 14.500 | 51.9627 | 119.62 | .Q | .V | . | . | . | . |
| 14.583 | 52.8126 | 123.40 | .Q | .V | . | . | . | . |
| 14.667 | 53.6862 | 126.85 | .Q | .V | . | . | . | . |
| 14.750 | 54.5837 | 130.32 | .Q | .V | . | . | . | . |
| 14.833 | 55.5054 | 133.82 | .Q | .V | . | . | . | . |
| 14.917 | 56.4525 | 137.52 | .Q | .V | . | . | . | . |
| 15.000 | 57.4268 | 141.47 | .Q | .V | . | . | . | . |
| 15.083 | 58.4312 | 145.85 | .Q | .V | . | . | . | . |
| 15.167 | 59.4683 | 150.58 | .Q | .V | . | . | . | . |
| 15.250 | 60.5419 | 155.89 | .Q | .V | . | . | . | . |
| 15.333 | 61.6555 | 161.71 | .Q | .V | . | . | . | . |
| 15.417 | 62.8115 | 167.85 | .Q | .V | . | . | . | . |
| 15.500 | 64.0049 | 173.27 | .Q | .V | . | . | . | . |
| 15.583 | 65.2265 | 177.38 | .Q | .V | . | . | . | . |
| 15.667 | 66.4757 | 181.37 | .Q | .V | . | . | . | . |
| 15.750 | 67.7618 | 186.74 | .Q | .V | . | . | . | . |
| 15.833 | 69.1205 | 197.28 | .Q | .V | . | . | . | . |
| 15.917 | 70.6202 | 217.76 | .Q | .V | . | . | . | . |
| 16.000 | 72.3614 | 252.81 | .Q | .V | . | . | . | . |
| 16.083 | 74.6687 | 335.02 | . | .Q | .V | . | . | . |
| 16.167 | 77.9691 | 479.21 | . | . | .QV | . | . | . |
| 16.250 | 82.5645 | 667.26 | . | . | .V | .Q | . | . |
| 16.333 | 87.8558 | 768.30 | . | . | .V | .Q | .Q | . |
| 16.417 | 93.4528 | 812.68 | . | . | .V | .Q | .Q | . |
| 16.500 | 98.1858 | 687.23 | . | . | .V | .Q | .Q | . |
| 16.583 | 101.6890 | 508.67 | . | .Q | .V | . | . | . |
| 16.667 | 104.2633 | 373.78 | . | .Q | .V | . | . | . |
| 16.750 | 106.2752 | 292.12 | . | .Q | .V | . | . | . |
| 16.833 | 107.8887 | 234.28 | . | .Q | .V | . | . | . |
| 16.917 | 109.2119 | 192.14 | . | .Q | .V | . | . | . |
| 17.000 | 110.4125 | 174.31 | . | .Q | .V | . | . | . |
| 17.083 | 111.5335 | 162.78 | . | .Q | .V | . | . | . |
| 17.167 | 112.5732 | 150.96 | . | .Q | .V | . | . | . |
| 17.250 | 113.5183 | 137.23 | . | .Q | .V | . | . | . |
| 17.333 | 114.3842 | 125.73 | . | .Q | .V | . | . | . |
| 17.417 | 115.1862 | 116.45 | . | .Q | .V | . | . | . |
| 17.500 | 115.9418 | 109.71 | . | .Q | .V | . | . | . |
| 17.583 | 116.6598 | 104.26 | . | .Q | .V | . | . | . |
| 17.667 | 117.3468 | 99.75 | . | .Q | .V | . | . | . |
| 17.750 | 118.0072 | 95.89 | . | .Q | .V | . | . | . |
| 17.833 | 118.6445 | 92.54 | . | .Q | .V | . | . | . |
| 17.917 | 119.2617 | 89.61 | .Q | . | . | . | .V | . |
| 18.000 | 119.8605 | 86.95 | .Q | . | . | . | .V | . |
| 18.083 | 120.4409 | 84.27 | .Q | . | . | . | .V | . |
| 18.167 | 120.9994 | 81.09 | .Q | . | . | . | .V | . |
| 18.250 | 121.5291 | 76.92 | .Q | . | . | . | .V | . |
| 18.333 | 122.0266 | 72.23 | .Q | . | . | . | .V | . |
| 18.417 | 122.4888 | 67.11 | .Q | . | . | . | .V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 18.500 | 122.9209 | 62.74 | .Q | . | . | . | V | . |
| 18.583 | 123.3309 | 59.53 | .Q | . | . | . | V | . |
| 18.667 | 123.7245 | 57.16 | .Q | . | . | . | V | . |
| 18.750 | 124.1053 | 55.28 | .Q | . | . | . | V | . |
| 18.833 | 124.4755 | 53.76 | .Q | . | . | . | V | . |
| 18.917 | 124.8371 | 52.50 | .Q | . | . | . | V | . |
| 19.000 | 125.1907 | 51.34 | .Q | . | . | . | V | . |
| 19.083 | 125.5367 | 50.24 | .Q | . | . | . | V | . |
| 19.167 | 125.8756 | 49.21 | .Q | . | . | . | V | . |
| 19.250 | 126.2079 | 48.25 | .Q | . | . | . | V | . |
| 19.333 | 126.5340 | 47.36 | .Q | . | . | . | V | . |
| 19.417 | 126.8544 | 46.52 | .Q | . | . | . | V | . |
| 19.500 | 127.1692 | 45.71 | .Q | . | . | . | V | . |
| 19.583 | 127.4787 | 44.94 | .Q | . | . | . | V | . |
| 19.667 | 127.7832 | 44.21 | .Q | . | . | . | V | . |
| 19.750 | 128.0828 | 43.50 | .Q | . | . | . | V | . |
| 19.833 | 128.3778 | 42.83 | .Q | . | . | . | V | . |
| 19.917 | 128.6682 | 42.18 | .Q | . | . | . | V | . |
| 20.000 | 128.9544 | 41.55 | .Q | . | . | . | V | . |
| 20.083 | 129.2365 | 40.95 | .Q | . | . | . | V | . |
| 20.167 | 129.5145 | 40.37 | .Q | . | . | . | V | . |
| 20.250 | 129.7887 | 39.81 | .Q | . | . | . | V | . |
| 20.333 | 130.0592 | 39.27 | .Q | . | . | . | V | . |
| 20.417 | 130.3261 | 38.75 | .Q | . | . | . | V | . |
| 20.500 | 130.5895 | 38.25 | .Q | . | . | . | V | . |
| 20.583 | 130.8496 | 37.77 | .Q | . | . | . | V | . |
| 20.667 | 131.1065 | 37.29 | .Q | . | . | . | V | . |
| 20.750 | 131.3602 | 36.84 | .Q | . | . | . | V | . |
| 20.833 | 131.6109 | 36.40 | .Q | . | . | . | V | . |
| 20.917 | 131.8586 | 35.97 | .Q | . | . | . | V | . |
| 21.000 | 132.1034 | 35.55 | .Q | . | . | . | V | . |
| 21.083 | 132.3455 | 35.15 | .Q | . | . | . | V | . |
| 21.167 | 132.5849 | 34.76 | .Q | . | . | . | V | . |
| 21.250 | 132.8217 | 34.38 | .Q | . | . | . | V | . |
| 21.333 | 133.0559 | 34.01 | .Q | . | . | . | V | . |
| 21.417 | 133.2877 | 33.65 | .Q | . | . | . | V | . |
| 21.500 | 133.5170 | 33.30 | .Q | . | . | . | V | . |
| 21.583 | 133.7440 | 32.96 | .Q | . | . | . | V | . |
| 21.667 | 133.9687 | 32.63 | .Q | . | . | . | V | . |
| 21.750 | 134.1912 | 32.31 | .Q | . | . | . | V | . |
| 21.833 | 134.4115 | 31.99 | .Q | . | . | . | V | . |
| 21.917 | 134.6297 | 31.68 | .Q | . | . | . | V | . |
| 22.000 | 134.8459 | 31.38 | .Q | . | . | . | V | . |
| 22.083 | 135.0600 | 31.09 | .Q | . | . | . | V | . |
| 22.167 | 135.2722 | 30.81 | .Q | . | . | . | V | . |
| 22.250 | 135.4824 | 30.53 | .Q | . | . | . | V | . |
| 22.333 | 135.6908 | 30.26 | .Q | . | . | . | V | . |
| 22.417 | 135.8973 | 29.99 | .Q | . | . | . | V | . |
| 22.500 | 136.1021 | 29.73 | .Q | . | . | . | V | . |
| 22.583 | 136.3051 | 29.47 | .Q | . | . | . | V | . |
| 22.667 | 136.5063 | 29.23 | .Q | . | . | . | V | . |
| 22.750 | 136.7059 | 28.98 | .Q | . | . | . | V | . |
| 22.833 | 136.9039 | 28.74 | .Q | . | . | . | V | . |
| 22.917 | 137.1003 | 28.51 | .Q | . | . | . | V | . |
| 23.000 | 137.2951 | 28.28 | .Q | . | . | . | V | . |
| 23.083 | 137.4883 | 28.06 | .Q | . | . | . | V | . |
| 23.167 | 137.6801 | 27.84 | .Q | . | . | . | V | . |
| 23.250 | 137.8703 | 27.63 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 23.333 | 138.0591 | 27.41 | .Q | . | . | . | V | . |
| 23.417 | 138.2465 | 27.21 | .Q | . | . | . | V | . |
| 23.500 | 138.4325 | 27.01 | .Q | . | . | . | V | . |
| 23.583 | 138.6171 | 26.81 | .Q | . | . | . | V | . |
| 23.667 | 138.8004 | 26.61 | .Q | . | . | . | V | . |
| 23.750 | 138.9824 | 26.42 | .Q | . | . | . | V | . |
| 23.833 | 139.1631 | 26.23 | .Q | . | . | . | V | . |
| 23.917 | 139.3425 | 26.05 | .Q | . | . | . | V | . |
| 24.000 | 139.5207 | 25.87 | .Q | . | . | . | V | . |
| 24.083 | 139.6951 | 25.33 | .Q | . | . | . | V | . |
| 24.167 | 139.8585 | 23.73 | .Q | . | . | . | V | . |
| 24.250 | 139.9983 | 20.30 | Q | . | . | . | V | . |
| 24.333 | 140.1076 | 15.86 | Q | . | . | . | V | . |
| 24.417 | 140.1802 | 10.54 | Q | . | . | . | V | . |
| 24.500 | 140.2230 | 6.21 | Q | . | . | . | V | . |
| 24.583 | 140.2471 | 3.50 | Q | . | . | . | V | . |
| 24.667 | 140.2606 | 1.96 | Q | . | . | . | V | . |
| 24.750 | 140.2678 | 1.05 | Q | . | . | . | V | . |
| 24.833 | 140.2717 | 0.56 | Q | . | . | . | V | . |
| 24.917 | 140.2744 | 0.39 | Q | . | . | . | V | . |
| 25.000 | 140.2763 | 0.28 | Q | . | . | . | V | . |
| 25.083 | 140.2774 | 0.16 | Q | . | . | . | V | . |
| 25.167 | 140.2779 | 0.06 | Q | . | . | . | V | . |
| 25.250 | 140.2780 | 0.02 | 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% | 1515.0 |
| 10% | 310.0 |
| 20% | 105.0 |
| 30% | 50.0 |
| 40% | 40.0 |
| 50% | 30.0 |
| 60% | 25.0 |
| 70% | 20.0 |
| 80% | 20.0 |
| 90% | 10.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING ANALYSIS

FLOOD ROUTING ANALYSIS
USING COUNTY HYDROLOGY MANUAL OF ORANGE (1986)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1237

Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED C *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 10-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3C10EVS.DAT
TIME/DATE OF STUDY: 14:47 07/21/2022

FLOW PROCESS FROM NODE 320.00 TO NODE 331.00 IS CODE = 1

>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

=====

(UNIT-HYDROGRAPH ADDED TO STREAM #1)

WATERSHED AREA = 1292.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.313 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED) S-GRAPH SELECTED
MAXIMUM WATERSHED LOSS RATE (INCH/HOUR) = 0.129
LOW LOSS FRACTION = 0.351
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL (INCH) = 0.26
SPECIFIED PEAK 30-MINUTES RAINFALL (INCH) = 0.59
SPECIFIED PEAK 1-HOUR RAINFALL (INCH) = 0.78
SPECIFIED PEAK 3-HOUR RAINFALL (INCH) = 1.31
SPECIFIED PEAK 6-HOUR RAINFALL (INCH) = 1.81
SPECIFIED PEAK 24-HOUR RAINFALL (INCH) = 3.03

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.942
30-MINUTE FACTOR = 0.942
1-HOUR FACTOR = 0.942
3-HOUR FACTOR = 0.991
6-HOUR FACTOR = 0.996
24-HOUR FACTOR = 0.997

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 26.624

UNIT HYDROGRAPH DETERMINATION

| INTERVAL NUMBER | "S" GRAPH MEAN VALUES | UNIT HYDROGRAPH ORDINATES (CFS) |
|-----------------|-----------------------|---------------------------------|
| 1 | 1.615 | 252.341 |
| 2 | 8.456 | 1069.234 |
| 3 | 23.383 | 2332.871 |
| 4 | 43.396 | 3127.828 |
| 5 | 65.168 | 3402.681 |
| 6 | 80.812 | 2444.889 |
| 7 | 89.718 | 1391.942 |
| 8 | 94.677 | 775.047 |
| 9 | 97.294 | 409.025 |
| 10 | 98.336 | 162.862 |
| 11 | 98.835 | 78.009 |
| 12 | 99.328 | 77.000 |
| 13 | 99.731 | 63.015 |
| 14 | 99.933 | 31.507 |
| 15 | 100.000 | 10.502 |

TOTAL SOIL-LOSS VOLUME (ACRE-FEET) = 99.8814
TOTAL STORM RUNOFF VOLUME (ACRE-FEET) = 225.4608

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 FIVE-MINUTE UNIT INTERVALS(CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME(HRS) | VOLUME(AF) | Q(CFS) | 0. | 350.0 | 700.0 | 1050.0 | 1400.0 |
|-----------|------------|--------|-----|-------|-------|--------|--------|
| 0.083 | 0.0044 | 0.64 | Q | . | . | . | . |
| 0.167 | 0.0276 | 3.36 | Q | . | . | . | . |
| 0.250 | 0.0916 | 9.30 | Q | . | . | . | . |
| 0.333 | 0.2106 | 17.28 | Q | . | . | . | . |
| 0.417 | 0.3896 | 25.98 | Q | . | . | . | . |
| 0.500 | 0.6119 | 32.28 | Q | . | . | . | . |
| 0.583 | 0.8593 | 35.92 | VQ | . | . | . | . |
| 0.667 | 1.1211 | 38.01 | VQ | . | . | . | . |
| 0.750 | 1.3910 | 39.18 | VQ | . | . | . | . |
| 0.833 | 1.6645 | 39.72 | VQ | . | . | . | . |
| 0.917 | 1.9404 | 40.06 | VQ | . | . | . | . |
| 1.000 | 2.2186 | 40.39 | VQ | . | . | . | . |
| 1.083 | 2.4988 | 40.69 | VQ | . | . | . | . |
| 1.167 | 2.7805 | 40.90 | VQ | . | . | . | . |
| 1.250 | 3.0634 | 41.07 | VQ | . | . | . | . |
| 1.333 | 3.3472 | 41.21 | VQ | . | . | . | . |
| 1.417 | 3.6320 | 41.36 | VQ | . | . | . | . |
| 1.500 | 3.9179 | 41.50 | VQ | . | . | . | . |
| 1.583 | 4.2047 | 41.65 | VQ | . | . | . | . |
| 1.667 | 4.4926 | 41.80 | VQ | . | . | . | . |
| 1.750 | 4.7815 | 41.95 | VQ | . | . | . | . |
| 1.833 | 5.0714 | 42.10 | VQ | . | . | . | . |
| 1.917 | 5.3624 | 42.25 | VQ | . | . | . | . |
| 2.000 | 5.6544 | 42.40 | .Q | . | . | . | . |
| 2.083 | 5.9475 | 42.56 | .Q | . | . | . | . |
| 2.167 | 6.2416 | 42.71 | .Q | . | . | . | . |
| 2.250 | 6.5369 | 42.87 | .Q | . | . | . | . |
| 2.333 | 6.8332 | 43.03 | .Q | . | . | . | . |
| 2.417 | 7.1307 | 43.19 | .Q | . | . | . | . |
| 2.500 | 7.4293 | 43.35 | .Q | . | . | . | . |
| 2.583 | 7.7290 | 43.52 | .Q | . | . | . | . |
| 2.667 | 8.0298 | 43.68 | .Q | . | . | . | . |
| 2.750 | 8.3318 | 43.85 | .Q | . | . | . | . |
| 2.833 | 8.6350 | 44.02 | .Q | . | . | . | . |
| 2.917 | 8.9393 | 44.19 | .Q | . | . | . | . |
| 3.000 | 9.2448 | 44.36 | .Q | . | . | . | . |
| 3.083 | 9.5515 | 44.53 | .Q | . | . | . | . |
| 3.167 | 9.8594 | 44.71 | .Q | . | . | . | . |
| 3.250 | 10.1686 | 44.89 | .Q | . | . | . | . |
| 3.333 | 10.4789 | 45.07 | .Q | . | . | . | . |
| 3.417 | 10.7906 | 45.25 | .Q | . | . | . | . |
| 3.500 | 11.1034 | 45.43 | .Q | . | . | . | . |
| 3.583 | 11.4176 | 45.62 | .QV | . | . | . | . |
| 3.667 | 11.7330 | 45.80 | .QV | . | . | . | . |
| 3.750 | 12.0498 | 45.99 | .QV | . | . | . | . |
| 3.833 | 12.3679 | 46.18 | .QV | . | . | . | . |
| 3.917 | 12.6873 | 46.38 | .QV | . | . | . | . |

| | | | | | | | |
|-------|---------|-------|------|---|---|---|---|
| 4.000 | 13.0080 | 46.57 | .QV | . | . | . | . |
| 4.083 | 13.3301 | 46.77 | .QV | . | . | . | . |
| 4.167 | 13.6536 | 46.97 | .QV | . | . | . | . |
| 4.250 | 13.9784 | 47.17 | .QV | . | . | . | . |
| 4.333 | 14.3047 | 47.37 | .QV | . | . | . | . |
| 4.417 | 14.6324 | 47.58 | .QV | . | . | . | . |
| 4.500 | 14.9615 | 47.79 | .QV | . | . | . | . |
| 4.583 | 15.2921 | 48.00 | .QV | . | . | . | . |
| 4.667 | 15.6241 | 48.21 | .QV | . | . | . | . |
| 4.750 | 15.9577 | 48.43 | .QV | . | . | . | . |
| 4.833 | 16.2927 | 48.65 | .QV | . | . | . | . |
| 4.917 | 16.6293 | 48.87 | .QV | . | . | . | . |
| 5.000 | 16.9674 | 49.09 | .Q V | . | . | . | . |
| 5.083 | 17.3071 | 49.32 | .Q V | . | . | . | . |
| 5.167 | 17.6483 | 49.55 | .Q V | . | . | . | . |
| 5.250 | 17.9911 | 49.78 | .Q V | . | . | . | . |
| 5.333 | 18.3356 | 50.01 | .Q V | . | . | . | . |
| 5.417 | 18.6817 | 50.25 | .Q V | . | . | . | . |
| 5.500 | 19.0294 | 50.49 | .Q V | . | . | . | . |
| 5.583 | 19.3789 | 50.74 | .Q V | . | . | . | . |
| 5.667 | 19.7300 | 50.98 | .Q V | . | . | . | . |
| 5.750 | 20.0829 | 51.23 | .Q V | . | . | . | . |
| 5.833 | 20.4375 | 51.49 | .Q V | . | . | . | . |
| 5.917 | 20.7938 | 51.74 | .Q V | . | . | . | . |
| 6.000 | 21.1520 | 52.00 | .Q V | . | . | . | . |
| 6.083 | 21.5119 | 52.27 | .Q V | . | . | . | . |
| 6.167 | 21.8737 | 52.53 | .Q V | . | . | . | . |
| 6.250 | 22.2374 | 52.80 | .Q V | . | . | . | . |
| 6.333 | 22.6029 | 53.08 | .Q V | . | . | . | . |
| 6.417 | 22.9704 | 53.35 | .Q V | . | . | . | . |
| 6.500 | 23.3397 | 53.63 | .Q V | . | . | . | . |
| 6.583 | 23.7111 | 53.92 | .Q V | . | . | . | . |
| 6.667 | 24.0844 | 54.21 | .Q V | . | . | . | . |
| 6.750 | 24.4598 | 54.50 | .Q V | . | . | . | . |
| 6.833 | 24.8372 | 54.80 | .Q V | . | . | . | . |
| 6.917 | 25.2167 | 55.10 | .Q V | . | . | . | . |
| 7.000 | 25.5983 | 55.41 | .Q V | . | . | . | . |
| 7.083 | 25.9820 | 55.72 | .Q V | . | . | . | . |
| 7.167 | 26.3679 | 56.03 | .Q V | . | . | . | . |
| 7.250 | 26.7560 | 56.35 | .Q V | . | . | . | . |
| 7.333 | 27.1463 | 56.67 | .Q V | . | . | . | . |
| 7.417 | 27.5389 | 57.01 | .Q V | . | . | . | . |
| 7.500 | 27.9338 | 57.34 | .Q V | . | . | . | . |
| 7.583 | 28.3310 | 57.68 | .Q V | . | . | . | . |
| 7.667 | 28.7306 | 58.02 | .Q V | . | . | . | . |
| 7.750 | 29.1327 | 58.37 | .Q V | . | . | . | . |
| 7.833 | 29.5371 | 58.73 | .Q V | . | . | . | . |
| 7.917 | 29.9441 | 59.09 | .Q V | . | . | . | . |
| 8.000 | 30.3536 | 59.46 | .Q V | . | . | . | . |
| 8.083 | 30.7656 | 59.83 | .Q V | . | . | . | . |
| 8.167 | 31.1803 | 60.21 | .Q V | . | . | . | . |
| 8.250 | 31.5976 | 60.60 | .Q V | . | . | . | . |
| 8.333 | 32.0176 | 60.99 | .Q V | . | . | . | . |
| 8.417 | 32.4404 | 61.39 | .Q V | . | . | . | . |
| 8.500 | 32.8660 | 61.79 | .Q V | . | . | . | . |
| 8.583 | 33.2944 | 62.21 | .Q V | . | . | . | . |
| 8.667 | 33.7256 | 62.62 | .Q V | . | . | . | . |
| 8.750 | 34.1599 | 63.05 | .Q V | . | . | . | . |

| | | | | | | | | |
|--------|---------|--------|----|----|---|---|---|---|
| 8.833 | 34.5971 | 63.48 | .Q | V | . | . | . | . |
| 8.917 | 35.0374 | 63.93 | .Q | V | . | . | . | . |
| 9.000 | 35.4808 | 64.38 | .Q | V | . | . | . | . |
| 9.083 | 35.9273 | 64.84 | .Q | V | . | . | . | . |
| 9.167 | 36.3771 | 65.30 | .Q | V | . | . | . | . |
| 9.250 | 36.8301 | 65.78 | .Q | V | . | . | . | . |
| 9.333 | 37.2865 | 66.27 | .Q | V | . | . | . | . |
| 9.417 | 37.7463 | 66.76 | .Q | V | . | . | . | . |
| 9.500 | 38.2096 | 67.27 | .Q | V | . | . | . | . |
| 9.583 | 38.6764 | 67.78 | .Q | V | . | . | . | . |
| 9.667 | 39.1468 | 68.31 | .Q | V | . | . | . | . |
| 9.750 | 39.6210 | 68.85 | .Q | V | . | . | . | . |
| 9.833 | 40.0989 | 69.39 | .Q | V | . | . | . | . |
| 9.917 | 40.5806 | 69.95 | .Q | V | . | . | . | . |
| 10.000 | 41.0663 | 70.52 | .Q | V | . | . | . | . |
| 10.083 | 41.5560 | 71.10 | .Q | V | . | . | . | . |
| 10.167 | 42.0497 | 71.70 | .Q | V | . | . | . | . |
| 10.250 | 42.5477 | 72.31 | .Q | V | . | . | . | . |
| 10.333 | 43.0500 | 72.93 | .Q | V | . | . | . | . |
| 10.417 | 43.5566 | 73.56 | .Q | V | . | . | . | . |
| 10.500 | 44.0677 | 74.21 | .Q | V | . | . | . | . |
| 10.583 | 44.5834 | 74.88 | .Q | V | . | . | . | . |
| 10.667 | 45.1038 | 75.56 | .Q | V | . | . | . | . |
| 10.750 | 45.6290 | 76.26 | .Q | V | . | . | . | . |
| 10.833 | 46.1591 | 76.97 | .Q | V | . | . | . | . |
| 10.917 | 46.6943 | 77.71 | .Q | V | . | . | . | . |
| 11.000 | 47.2346 | 78.45 | .Q | V | . | . | . | . |
| 11.083 | 47.7802 | 79.23 | .Q | V | . | . | . | . |
| 11.167 | 48.3313 | 80.01 | .Q | V | . | . | . | . |
| 11.250 | 48.8879 | 80.83 | .Q | V | . | . | . | . |
| 11.333 | 49.4503 | 81.66 | .Q | V | . | . | . | . |
| 11.417 | 50.0186 | 82.52 | .Q | V | . | . | . | . |
| 11.500 | 50.5929 | 83.39 | .Q | V | . | . | . | . |
| 11.583 | 51.1734 | 84.30 | .Q | V | . | . | . | . |
| 11.667 | 51.7604 | 85.22 | .Q | V | . | . | . | . |
| 11.750 | 52.3539 | 86.18 | .Q | V | . | . | . | . |
| 11.833 | 52.9542 | 87.16 | .Q | V | . | . | . | . |
| 11.917 | 53.5615 | 88.18 | .Q | V | . | . | . | . |
| 12.000 | 54.1760 | 89.22 | .Q | V | . | . | . | . |
| 12.083 | 54.8007 | 90.71 | .Q | V | . | . | . | . |
| 12.167 | 55.4451 | 93.56 | .Q | V | . | . | . | . |
| 12.250 | 56.1235 | 98.50 | .Q | V | . | . | . | . |
| 12.333 | 56.8451 | 104.78 | .Q | V | . | . | . | . |
| 12.417 | 57.6135 | 111.57 | .Q | V | . | . | . | . |
| 12.500 | 58.4182 | 116.85 | .Q | V | . | . | . | . |
| 12.583 | 59.2480 | 120.49 | .Q | V | . | . | . | . |
| 12.667 | 60.0964 | 123.18 | .Q | V | . | . | . | . |
| 12.750 | 60.9596 | 125.34 | .Q | V | . | . | . | . |
| 12.833 | 61.8353 | 127.14 | .Q | V | . | . | . | . |
| 12.917 | 62.7229 | 128.88 | .Q | .V | . | . | . | . |
| 13.000 | 63.6228 | 130.66 | .Q | .V | . | . | . | . |
| 13.083 | 64.5353 | 132.50 | .Q | .V | . | . | . | . |
| 13.167 | 65.4605 | 134.34 | .Q | .V | . | . | . | . |
| 13.250 | 66.3988 | 136.24 | .Q | .V | . | . | . | . |
| 13.333 | 67.3504 | 138.17 | .Q | .V | . | . | . | . |
| 13.417 | 68.3160 | 140.21 | .Q | .V | . | . | . | . |
| 13.500 | 69.2962 | 142.32 | .Q | .V | . | . | . | . |
| 13.583 | 70.2917 | 144.55 | .Q | .V | . | . | . | . |

| | | | | | | | | |
|--------|----------|---------|----|----|----|----|----|-----|
| 13.667 | 71.3031 | 146.85 | .Q | .V | . | . | . | . |
| 13.750 | 72.3313 | 149.30 | .Q | .V | . | . | . | . |
| 13.833 | 73.3770 | 151.83 | .Q | .V | . | . | . | . |
| 13.917 | 74.4413 | 154.53 | .Q | .V | . | . | . | . |
| 14.000 | 75.5249 | 157.34 | .Q | .V | . | . | . | . |
| 14.083 | 76.6310 | 160.60 | .Q | .V | . | . | . | . |
| 14.167 | 77.7665 | 164.87 | .Q | .V | . | . | . | . |
| 14.250 | 78.9421 | 170.71 | .Q | .V | . | . | . | . |
| 14.333 | 80.1650 | 177.56 | .Q | .V | . | . | . | . |
| 14.417 | 81.4389 | 184.97 | .Q | .V | . | . | . | . |
| 14.500 | 82.7583 | 191.57 | .Q | .V | . | . | . | . |
| 14.583 | 84.1176 | 197.37 | .Q | .V | . | . | . | . |
| 14.667 | 85.5141 | 202.78 | .Q | .V | . | . | . | . |
| 14.750 | 86.9480 | 208.20 | .Q | .V | . | . | . | . |
| 14.833 | 88.4197 | 213.70 | .Q | .V | . | . | . | . |
| 14.917 | 89.9323 | 219.62 | .Q | .V | . | . | . | . |
| 15.000 | 91.4886 | 225.99 | .Q | .V | . | . | . | . |
| 15.083 | 93.0935 | 233.02 | .Q | .V | . | . | . | . |
| 15.167 | 94.7509 | 240.65 | .Q | .V | . | . | . | . |
| 15.250 | 96.4671 | 249.19 | .Q | .V | . | . | . | . |
| 15.333 | 98.2483 | 258.63 | .Q | .V | . | . | . | . |
| 15.417 | 100.0959 | 268.27 | .Q | .V | . | . | . | . |
| 15.500 | 101.9936 | 275.55 | .Q | .V | . | . | . | . |
| 15.583 | 103.9160 | 279.13 | .Q | .V | . | . | . | . |
| 15.667 | 105.8556 | 281.62 | .Q | .V | . | . | . | . |
| 15.750 | 107.8469 | 289.14 | .Q | .V | . | . | . | . |
| 15.833 | 110.0068 | 313.62 | .Q | .V | . | . | . | . |
| 15.917 | 112.5249 | 365.63 | .Q | .V | . | . | . | . |
| 16.000 | 115.6476 | 453.42 | .Q | .V | . | . | . | . |
| 16.083 | 119.9554 | 625.49 | . | .Q | .V | . | . | . |
| 16.167 | 126.1961 | 906.15 | . | . | .V | .Q | . | . |
| 16.250 | 134.6370 | 1225.62 | . | . | .V | . | .Q | . |
| 16.333 | 144.1718 | 1384.45 | . | . | .V | . | . | .Q. |
| 16.417 | 153.4980 | 1354.16 | . | . | .V | . | . | .Q. |
| 16.500 | 160.8007 | 1060.35 | . | . | .V | .Q | . | . |
| 16.583 | 165.9731 | 751.04 | . | .Q | .V | . | . | . |
| 16.667 | 169.7433 | 547.43 | . | .Q | .V | . | . | . |
| 16.750 | 172.6389 | 420.44 | . | .Q | .V | . | . | . |
| 16.833 | 174.9519 | 335.84 | . | .Q | .V | . | . | . |
| 16.917 | 176.9644 | 292.22 | . | .Q | .V | . | . | . |
| 17.000 | 178.8278 | 270.57 | . | .Q | .V | . | . | . |
| 17.083 | 180.5488 | 249.89 | . | .Q | .V | . | . | . |
| 17.167 | 182.1147 | 227.36 | . | .Q | .V | . | . | . |
| 17.250 | 183.5464 | 207.89 | . | .Q | .V | . | . | . |
| 17.333 | 184.8699 | 192.16 | . | .Q | .V | . | . | . |
| 17.417 | 186.1087 | 179.89 | . | .Q | .V | . | . | . |
| 17.500 | 187.2786 | 169.86 | . | .Q | .V | . | . | . |
| 17.583 | 188.3929 | 161.80 | . | .Q | .V | . | . | . |
| 17.667 | 189.4609 | 155.08 | . | .Q | .V | . | . | . |
| 17.750 | 190.4896 | 149.37 | . | .Q | .V | . | . | . |
| 17.833 | 191.4843 | 144.42 | . | .Q | .V | . | . | . |
| 17.917 | 192.4483 | 139.99 | . | .Q | .V | . | . | . |
| 18.000 | 193.3844 | 135.92 | . | .Q | .V | . | . | . |
| 18.083 | 194.2920 | 131.78 | . | .Q | .V | . | . | . |
| 18.167 | 195.1641 | 126.63 | . | .Q | .V | . | . | . |
| 18.250 | 195.9886 | 119.71 | . | .Q | .V | . | . | . |
| 18.333 | 196.7582 | 111.75 | . | .Q | .V | . | . | . |
| 18.417 | 197.4715 | 103.57 | .Q | . | . | . | .V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 18.500 | 198.1406 | 97.15 | .Q | . | . | . | V | . |
| 18.583 | 198.7784 | 92.61 | .Q | . | . | . | V | . |
| 18.667 | 199.3929 | 89.23 | .Q | . | . | . | V | . |
| 18.750 | 199.9891 | 86.57 | .Q | . | . | . | V | . |
| 18.833 | 200.5706 | 84.43 | .Q | . | . | . | V | . |
| 18.917 | 201.1389 | 82.52 | .Q | . | . | . | V | . |
| 19.000 | 201.6948 | 80.72 | .Q | . | . | . | V | . |
| 19.083 | 202.2391 | 79.03 | .Q | . | . | . | V | . |
| 19.167 | 202.7726 | 77.46 | .Q | . | . | . | V | . |
| 19.250 | 203.2960 | 76.01 | .Q | . | . | . | V | . |
| 19.333 | 203.8101 | 74.64 | .Q | . | . | . | V | . |
| 19.417 | 204.3151 | 73.33 | .Q | . | . | . | V | . |
| 19.500 | 204.8115 | 72.08 | .Q | . | . | . | V | . |
| 19.583 | 205.2996 | 70.88 | .Q | . | . | . | V | . |
| 19.667 | 205.7799 | 69.74 | .Q | . | . | . | V | . |
| 19.750 | 206.2526 | 68.64 | .Q | . | . | . | V | . |
| 19.833 | 206.7180 | 67.58 | .Q | . | . | . | V | . |
| 19.917 | 207.1765 | 66.57 | .Q | . | . | . | V | . |
| 20.000 | 207.6283 | 65.59 | .Q | . | . | . | V | . |
| 20.083 | 208.0735 | 64.65 | .Q | . | . | . | V | . |
| 20.167 | 208.5126 | 63.75 | .Q | . | . | . | V | . |
| 20.250 | 208.9456 | 62.88 | .Q | . | . | . | V | . |
| 20.333 | 209.3729 | 62.04 | .Q | . | . | . | V | . |
| 20.417 | 209.7945 | 61.22 | .Q | . | . | . | V | . |
| 20.500 | 210.2108 | 60.44 | .Q | . | . | . | V | . |
| 20.583 | 210.6217 | 59.68 | .Q | . | . | . | V | . |
| 20.667 | 211.0277 | 58.94 | .Q | . | . | . | V | . |
| 20.750 | 211.4287 | 58.23 | .Q | . | . | . | V | . |
| 20.833 | 211.8250 | 57.54 | .Q | . | . | . | V | . |
| 20.917 | 212.2166 | 56.87 | .Q | . | . | . | V | . |
| 21.000 | 212.6038 | 56.22 | .Q | . | . | . | V | . |
| 21.083 | 212.9866 | 55.58 | .Q | . | . | . | V | . |
| 21.167 | 213.3652 | 54.97 | .Q | . | . | . | V | . |
| 21.250 | 213.7397 | 54.38 | .Q | . | . | . | V | . |
| 21.333 | 214.1102 | 53.80 | .Q | . | . | . | V | . |
| 21.417 | 214.4768 | 53.23 | .Q | . | . | . | V | . |
| 21.500 | 214.8396 | 52.68 | .Q | . | . | . | V | . |
| 21.583 | 215.1988 | 52.15 | .Q | . | . | . | V | . |
| 21.667 | 215.5544 | 51.63 | .Q | . | . | . | V | . |
| 21.750 | 215.9064 | 51.12 | .Q | . | . | . | V | . |
| 21.833 | 216.2551 | 50.63 | .Q | . | . | . | V | . |
| 21.917 | 216.6005 | 50.15 | .Q | . | . | . | V | . |
| 22.000 | 216.9426 | 49.68 | .Q | . | . | . | V | . |
| 22.083 | 217.2816 | 49.22 | .Q | . | . | . | V | . |
| 22.167 | 217.6174 | 48.77 | .Q | . | . | . | V | . |
| 22.250 | 217.9503 | 48.33 | .Q | . | . | . | V | . |
| 22.333 | 218.2802 | 47.90 | .Q | . | . | . | V | . |
| 22.417 | 218.6073 | 47.49 | .Q | . | . | . | V | . |
| 22.500 | 218.9315 | 47.08 | .Q | . | . | . | V | . |
| 22.583 | 219.2530 | 46.68 | .Q | . | . | . | V | . |
| 22.667 | 219.5717 | 46.29 | .Q | . | . | . | V | . |
| 22.750 | 219.8879 | 45.91 | .Q | . | . | . | V | . |
| 22.833 | 220.2015 | 45.53 | .Q | . | . | . | V | . |
| 22.917 | 220.5125 | 45.16 | .Q | . | . | . | V | . |
| 23.000 | 220.8211 | 44.80 | .Q | . | . | . | V | . |
| 23.083 | 221.1272 | 44.45 | .Q | . | . | . | V | . |
| 23.167 | 221.4310 | 44.11 | .Q | . | . | . | V | . |
| 23.250 | 221.7325 | 43.77 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 23.333 | 222.0316 | 43.44 | .Q | . | . | . | V | . |
| 23.417 | 222.3286 | 43.12 | .Q | . | . | . | V | . |
| 23.500 | 222.6233 | 42.80 | .Q | . | . | . | V | . |
| 23.583 | 222.9159 | 42.49 | .Q | . | . | . | V | . |
| 23.667 | 223.2064 | 42.18 | .Q | . | . | . | V | . |
| 23.750 | 223.4948 | 41.88 | .Q | . | . | . | V | . |
| 23.833 | 223.7812 | 41.58 | .Q | . | . | . | V | . |
| 23.917 | 224.0656 | 41.29 | .Q | . | . | . | V | . |
| 24.000 | 224.3481 | 41.01 | .Q | . | . | . | V | . |
| 24.083 | 224.6241 | 40.09 | .Q | . | . | . | V | . |
| 24.167 | 224.8797 | 37.10 | .Q | . | . | . | V | . |
| 24.250 | 225.0928 | 30.94 | Q | . | . | . | V | . |
| 24.333 | 225.2498 | 22.80 | Q | . | . | . | V | . |
| 24.417 | 225.3463 | 14.01 | Q | . | . | . | V | . |
| 24.500 | 225.3994 | 7.72 | Q | . | . | . | V | . |
| 24.583 | 225.4279 | 4.14 | Q | . | . | . | V | . |
| 24.667 | 225.4427 | 2.14 | Q | . | . | . | V | . |
| 24.750 | 225.4502 | 1.09 | Q | . | . | . | V | . |
| 24.833 | 225.4548 | 0.67 | Q | . | . | . | V | . |
| 24.917 | 225.4580 | 0.47 | Q | . | . | . | V | . |
| 25.000 | 225.4598 | 0.27 | Q | . | . | . | V | . |
| 25.083 | 225.4606 | 0.11 | Q | . | . | . | V | . |
| 25.167 | 225.4608 | 0.03 | 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% | 1510.0 |
| 10% | 275.0 |
| 20% | 85.0 |
| 30% | 50.0 |
| 40% | 35.0 |
| 50% | 30.0 |
| 60% | 25.0 |
| 70% | 20.0 |
| 80% | 15.0 |
| 90% | 10.0 |

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END OF FLOODSCx ROUTING ANALYSIS

FLOOD ROUTING ANALYSIS
USING COUNTY HYDROLOGY MANUAL OF ORANGE (1986)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED C *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 25-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3C25EVS.DAT
TIME/DATE OF STUDY: 14:47 07/21/2022

FLOW PROCESS FROM NODE 320.00 TO NODE 331.00 IS CODE = 1

>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<

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(UNIT-HYDROGRAPH ADDED TO STREAM #1)

WATERSHED AREA = 1292.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.300 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED) S-GRAPH SELECTED
MAXIMUM WATERSHED LOSS RATE (INCH/HOUR) = 0.129
LOW LOSS FRACTION = 0.318
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL (INCH) = 0.34
SPECIFIED PEAK 30-MINUTES RAINFALL (INCH) = 0.72
SPECIFIED PEAK 1-HOUR RAINFALL (INCH) = 0.95
SPECIFIED PEAK 3-HOUR RAINFALL (INCH) = 1.59
SPECIFIED PEAK 6-HOUR RAINFALL (INCH) = 2.20
SPECIFIED PEAK 24-HOUR RAINFALL (INCH) = 3.68

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.942
30-MINUTE FACTOR = 0.942
1-HOUR FACTOR = 0.942
3-HOUR FACTOR = 0.991
6-HOUR FACTOR = 0.996
24-HOUR FACTOR = 0.997

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 27.778

UNIT HYDROGRAPH DETERMINATION

| INTERVAL NUMBER | "S" GRAPH MEAN VALUES | UNIT HYDROGRAPH ORDINATES (CFS) |
|-----------------|-----------------------|---------------------------------|
| 1 | 1.701 | 265.795 |
| 2 | 9.283 | 1184.974 |
| 3 | 25.290 | 2501.702 |
| 4 | 46.738 | 3352.131 |
| 5 | 68.920 | 3466.698 |
| 6 | 83.414 | 2265.208 |
| 7 | 91.365 | 1242.635 |
| 8 | 95.710 | 679.201 |
| 9 | 97.845 | 333.675 |
| 10 | 98.542 | 108.818 |
| 11 | 99.062 | 81.389 |
| 12 | 99.583 | 81.389 |
| 13 | 100.000 | 65.140 |

TOTAL SOIL-LOSS VOLUME (ACRE-FEET) = 108.5095
TOTAL STORM RUNOFF VOLUME (ACRE-FEET) = 286.6187

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 FIVE-MINUTE UNIT INTERVALS (CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME (HRS) | VOLUME (AF) | Q (CFS) | 0. | 475.0 | 950.0 | 1425.0 | 1900.0 |
|------------|-------------|---------|-----|-------|-------|--------|--------|
| 0.083 | 0.0059 | 0.86 | Q | . | . | . | . |
| 0.167 | 0.0383 | 4.70 | Q | . | . | . | . |
| 0.250 | 0.1266 | 12.82 | Q | . | . | . | . |
| 0.333 | 0.2900 | 23.72 | Q | . | . | . | . |
| 0.417 | 0.5312 | 35.02 | Q | . | . | . | . |
| 0.500 | 0.8237 | 42.47 | Q | . | . | . | . |
| 0.583 | 1.1448 | 46.64 | Q | . | . | . | . |
| 0.667 | 1.4822 | 48.99 | VQ | . | . | . | . |
| 0.750 | 1.8282 | 50.23 | VQ | . | . | . | . |
| 0.833 | 2.1777 | 50.75 | VQ | . | . | . | . |
| 0.917 | 2.5303 | 51.19 | VQ | . | . | . | . |
| 1.000 | 2.8858 | 51.63 | VQ | . | . | . | . |
| 1.083 | 3.2441 | 52.01 | VQ | . | . | . | . |
| 1.167 | 3.6035 | 52.19 | VQ | . | . | . | . |
| 1.250 | 3.9642 | 52.37 | VQ | . | . | . | . |
| 1.333 | 4.3262 | 52.55 | VQ | . | . | . | . |
| 1.417 | 4.6894 | 52.74 | VQ | . | . | . | . |
| 1.500 | 5.0538 | 52.92 | VQ | . | . | . | . |
| 1.583 | 5.4196 | 53.11 | VQ | . | . | . | . |
| 1.667 | 5.7867 | 53.30 | VQ | . | . | . | . |
| 1.750 | 6.1551 | 53.49 | VQ | . | . | . | . |
| 1.833 | 6.5248 | 53.68 | VQ | . | . | . | . |
| 1.917 | 6.8958 | 53.88 | VQ | . | . | . | . |
| 2.000 | 7.2682 | 54.07 | .Q | . | . | . | . |
| 2.083 | 7.6420 | 54.27 | .Q | . | . | . | . |
| 2.167 | 8.0171 | 54.47 | .Q | . | . | . | . |
| 2.250 | 8.3936 | 54.67 | .Q | . | . | . | . |
| 2.333 | 8.7715 | 54.87 | .Q | . | . | . | . |
| 2.417 | 9.1508 | 55.08 | .Q | . | . | . | . |
| 2.500 | 9.5316 | 55.28 | .Q | . | . | . | . |
| 2.583 | 9.9138 | 55.49 | .Q | . | . | . | . |
| 2.667 | 10.2974 | 55.70 | .Q | . | . | . | . |
| 2.750 | 10.6825 | 55.92 | .Q | . | . | . | . |
| 2.833 | 11.0691 | 56.13 | .Q | . | . | . | . |
| 2.917 | 11.4572 | 56.35 | .Q | . | . | . | . |
| 3.000 | 11.8469 | 56.57 | .Q | . | . | . | . |
| 3.083 | 12.2380 | 56.80 | .Q | . | . | . | . |
| 3.167 | 12.6307 | 57.02 | .Q | . | . | . | . |
| 3.250 | 13.0250 | 57.25 | .Q | . | . | . | . |
| 3.333 | 13.4208 | 57.47 | .Q | . | . | . | . |
| 3.417 | 13.8182 | 57.71 | .Q | . | . | . | . |
| 3.500 | 14.2173 | 57.94 | .Q | . | . | . | . |
| 3.583 | 14.6179 | 58.18 | .QV | . | . | . | . |
| 3.667 | 15.0203 | 58.42 | .QV | . | . | . | . |
| 3.750 | 15.4242 | 58.66 | .QV | . | . | . | . |
| 3.833 | 15.8299 | 58.90 | .QV | . | . | . | . |
| 3.917 | 16.2373 | 59.15 | .QV | . | . | . | . |

| | | | | | | | |
|-------|---------|-------|------|---|---|---|---|
| 4.000 | 16.6463 | 59.40 | .QV | . | . | . | . |
| 4.083 | 17.0571 | 59.65 | .QV | . | . | . | . |
| 4.167 | 17.4697 | 59.90 | .QV | . | . | . | . |
| 4.250 | 17.8841 | 60.16 | .QV | . | . | . | . |
| 4.333 | 18.3002 | 60.42 | .QV | . | . | . | . |
| 4.417 | 18.7182 | 60.69 | .QV | . | . | . | . |
| 4.500 | 19.1380 | 60.95 | .QV | . | . | . | . |
| 4.583 | 19.5596 | 61.23 | .QV | . | . | . | . |
| 4.667 | 19.9831 | 61.50 | .QV | . | . | . | . |
| 4.750 | 20.4086 | 61.77 | .QV | . | . | . | . |
| 4.833 | 20.8359 | 62.05 | .QV | . | . | . | . |
| 4.917 | 21.2653 | 62.34 | .QV | . | . | . | . |
| 5.000 | 21.6965 | 62.62 | .Q V | . | . | . | . |
| 5.083 | 22.1298 | 62.91 | .Q V | . | . | . | . |
| 5.167 | 22.5651 | 63.20 | .Q V | . | . | . | . |
| 5.250 | 23.0024 | 63.50 | .Q V | . | . | . | . |
| 5.333 | 23.4418 | 63.80 | .Q V | . | . | . | . |
| 5.417 | 23.8833 | 64.10 | .Q V | . | . | . | . |
| 5.500 | 24.3269 | 64.41 | .Q V | . | . | . | . |
| 5.583 | 24.7726 | 64.72 | .Q V | . | . | . | . |
| 5.667 | 25.2206 | 65.04 | .Q V | . | . | . | . |
| 5.750 | 25.6707 | 65.36 | .Q V | . | . | . | . |
| 5.833 | 26.1230 | 65.68 | .Q V | . | . | . | . |
| 5.917 | 26.5776 | 66.01 | .Q V | . | . | . | . |
| 6.000 | 27.0345 | 66.34 | .Q V | . | . | . | . |
| 6.083 | 27.4937 | 66.68 | .Q V | . | . | . | . |
| 6.167 | 27.9553 | 67.02 | .Q V | . | . | . | . |
| 6.250 | 28.4192 | 67.36 | .Q V | . | . | . | . |
| 6.333 | 28.8856 | 67.71 | .Q V | . | . | . | . |
| 6.417 | 29.3544 | 68.07 | .Q V | . | . | . | . |
| 6.500 | 29.8256 | 68.43 | .Q V | . | . | . | . |
| 6.583 | 30.2994 | 68.79 | .Q V | . | . | . | . |
| 6.667 | 30.7757 | 69.16 | .Q V | . | . | . | . |
| 6.750 | 31.2546 | 69.54 | .Q V | . | . | . | . |
| 6.833 | 31.7361 | 69.92 | .Q V | . | . | . | . |
| 6.917 | 32.2203 | 70.30 | .Q V | . | . | . | . |
| 7.000 | 32.7072 | 70.69 | .Q V | . | . | . | . |
| 7.083 | 33.1968 | 71.09 | .Q V | . | . | . | . |
| 7.167 | 33.6892 | 71.49 | .Q V | . | . | . | . |
| 7.250 | 34.1844 | 71.90 | .Q V | . | . | . | . |
| 7.333 | 34.6824 | 72.32 | .Q V | . | . | . | . |
| 7.417 | 35.1834 | 72.74 | .Q V | . | . | . | . |
| 7.500 | 35.6873 | 73.16 | .Q V | . | . | . | . |
| 7.583 | 36.1942 | 73.60 | .Q V | . | . | . | . |
| 7.667 | 36.7041 | 74.04 | .Q V | . | . | . | . |
| 7.750 | 37.2171 | 74.49 | .Q V | . | . | . | . |
| 7.833 | 37.7332 | 74.94 | .Q V | . | . | . | . |
| 7.917 | 38.2525 | 75.41 | .Q V | . | . | . | . |
| 8.000 | 38.7751 | 75.87 | .Q V | . | . | . | . |
| 8.083 | 39.3009 | 76.35 | .Q V | . | . | . | . |
| 8.167 | 39.8301 | 76.84 | .Q V | . | . | . | . |
| 8.250 | 40.3627 | 77.33 | .Q V | . | . | . | . |
| 8.333 | 40.8987 | 77.83 | .Q V | . | . | . | . |
| 8.417 | 41.4383 | 78.34 | .Q V | . | . | . | . |
| 8.500 | 41.9814 | 78.86 | .Q V | . | . | . | . |
| 8.583 | 42.5281 | 79.39 | .Q V | . | . | . | . |
| 8.667 | 43.0786 | 79.92 | .Q V | . | . | . | . |
| 8.750 | 43.6328 | 80.47 | .Q V | . | . | . | . |

| | | | | | | | | |
|--------|---------|--------|----|----|---|---|---|---|
| 8.833 | 44.1908 | 81.03 | .Q | V | . | . | . | . |
| 8.917 | 44.7528 | 81.60 | .Q | V | . | . | . | . |
| 9.000 | 45.3187 | 82.17 | .Q | V | . | . | . | . |
| 9.083 | 45.8887 | 82.76 | .Q | V | . | . | . | . |
| 9.167 | 46.4628 | 83.36 | .Q | V | . | . | . | . |
| 9.250 | 47.0411 | 83.97 | .Q | V | . | . | . | . |
| 9.333 | 47.6236 | 84.59 | .Q | V | . | . | . | . |
| 9.417 | 48.2106 | 85.23 | .Q | V | . | . | . | . |
| 9.500 | 48.8020 | 85.87 | .Q | V | . | . | . | . |
| 9.583 | 49.3979 | 86.53 | .Q | V | . | . | . | . |
| 9.667 | 49.9985 | 87.20 | .Q | V | . | . | . | . |
| 9.750 | 50.6038 | 87.89 | .Q | V | . | . | . | . |
| 9.833 | 51.2139 | 88.59 | .Q | V | . | . | . | . |
| 9.917 | 51.8289 | 89.31 | .Q | V | . | . | . | . |
| 10.000 | 52.4490 | 90.03 | .Q | V | . | . | . | . |
| 10.083 | 53.0742 | 90.78 | .Q | V | . | . | . | . |
| 10.167 | 53.7046 | 91.54 | .Q | V | . | . | . | . |
| 10.250 | 54.3405 | 92.32 | .Q | V | . | . | . | . |
| 10.333 | 54.9818 | 93.11 | .Q | V | . | . | . | . |
| 10.417 | 55.6287 | 93.93 | .Q | V | . | . | . | . |
| 10.500 | 56.2813 | 94.76 | .Q | V | . | . | . | . |
| 10.583 | 56.9399 | 95.62 | .Q | V | . | . | . | . |
| 10.667 | 57.6044 | 96.49 | .Q | V | . | . | . | . |
| 10.750 | 58.2751 | 97.39 | .Q | V | . | . | . | . |
| 10.833 | 58.9521 | 98.30 | .Q | V | . | . | . | . |
| 10.917 | 59.6355 | 99.24 | .Q | V | . | . | . | . |
| 11.000 | 60.3256 | 100.20 | .Q | V | . | . | . | . |
| 11.083 | 61.0225 | 101.19 | .Q | V | . | . | . | . |
| 11.167 | 61.7263 | 102.20 | .Q | V | . | . | . | . |
| 11.250 | 62.4373 | 103.24 | .Q | V | . | . | . | . |
| 11.333 | 63.1557 | 104.30 | .Q | V | . | . | . | . |
| 11.417 | 63.8816 | 105.40 | .Q | V | . | . | . | . |
| 11.500 | 64.6152 | 106.52 | .Q | V | . | . | . | . |
| 11.583 | 65.3569 | 107.69 | .Q | V | . | . | . | . |
| 11.667 | 66.1067 | 108.87 | .Q | V | . | . | . | . |
| 11.750 | 66.8650 | 110.10 | .Q | V | . | . | . | . |
| 11.833 | 67.6319 | 111.36 | .Q | V | . | . | . | . |
| 11.917 | 68.4079 | 112.67 | .Q | V | . | . | . | . |
| 12.000 | 69.1930 | 114.00 | .Q | V | . | . | . | . |
| 12.083 | 69.9916 | 115.96 | .Q | V | . | . | . | . |
| 12.167 | 70.8174 | 119.90 | .Q | V | . | . | . | . |
| 12.250 | 71.6900 | 126.71 | .Q | V | . | . | . | . |
| 12.333 | 72.6224 | 135.38 | .Q | V | . | . | . | . |
| 12.417 | 73.6168 | 144.39 | .Q | V | . | . | . | . |
| 12.500 | 74.6560 | 150.89 | .Q | V | . | . | . | . |
| 12.583 | 75.7257 | 155.32 | .Q | V | . | . | . | . |
| 12.667 | 76.8180 | 158.60 | .Q | V | . | . | . | . |
| 12.750 | 77.9285 | 161.24 | .Q | V | . | . | . | . |
| 12.833 | 79.0541 | 163.44 | .Q | .V | . | . | . | . |
| 12.917 | 80.1953 | 165.69 | .Q | .V | . | . | . | . |
| 13.000 | 81.3522 | 167.99 | .Q | .V | . | . | . | . |
| 13.083 | 82.5255 | 170.36 | .Q | .V | . | . | . | . |
| 13.167 | 83.7146 | 172.66 | .Q | .V | . | . | . | . |
| 13.250 | 84.9203 | 175.07 | .Q | .V | . | . | . | . |
| 13.333 | 86.1432 | 177.56 | .Q | .V | . | . | . | . |
| 13.417 | 87.3842 | 180.19 | .Q | .V | . | . | . | . |
| 13.500 | 88.6438 | 182.90 | .Q | .V | . | . | . | . |
| 13.583 | 89.9231 | 185.76 | .Q | .V | . | . | . | . |

| | | | | | | | | |
|--------|----------|---------|----|----|-----|----|----|---|
| 13.667 | 91.2229 | 188.73 | .Q | .V | . | . | . | . |
| 13.750 | 92.5443 | 191.87 | .Q | .V | . | . | . | . |
| 13.833 | 93.8882 | 195.13 | .Q | .V | . | . | . | . |
| 13.917 | 95.2560 | 198.60 | .Q | .V | . | . | . | . |
| 14.000 | 96.6486 | 202.21 | .Q | .V | . | . | . | . |
| 14.083 | 98.0700 | 206.39 | .Q | .V | . | . | . | . |
| 14.167 | 99.5290 | 211.85 | .Q | .V | . | . | . | . |
| 14.250 | 101.0385 | 219.17 | .Q | .V | . | . | . | . |
| 14.333 | 102.6069 | 227.74 | .Q | .V | . | . | . | . |
| 14.417 | 104.2377 | 236.79 | .Q | .V | . | . | . | . |
| 14.500 | 105.9227 | 244.66 | .Q | .V | . | . | . | . |
| 14.583 | 107.6564 | 251.73 | .Q | .V | . | . | . | . |
| 14.667 | 109.4364 | 258.46 | .Q | .V | . | . | . | . |
| 14.750 | 111.2635 | 265.30 | .Q | .V | . | . | . | . |
| 14.833 | 113.1389 | 272.30 | .Q | .V | . | . | . | . |
| 14.917 | 115.0669 | 279.95 | .Q | .V | . | . | . | . |
| 15.000 | 117.0517 | 288.19 | .Q | .V | . | . | . | . |
| 15.083 | 119.0991 | 297.29 | .Q | .V | . | . | . | . |
| 15.167 | 121.2144 | 307.14 | .Q | .V | . | . | . | . |
| 15.250 | 123.4067 | 318.32 | .Q | .V | . | . | . | . |
| 15.333 | 125.6874 | 331.16 | .Q | .V | . | . | . | . |
| 15.417 | 128.0628 | 344.90 | .Q | .V | . | . | . | . |
| 15.500 | 130.5093 | 355.23 | .Q | .V | . | . | . | . |
| 15.583 | 132.9899 | 360.19 | .Q | .V | . | . | . | . |
| 15.667 | 135.4921 | 363.31 | .Q | .V | . | . | . | . |
| 15.750 | 138.0619 | 373.14 | .Q | .V | . | . | . | . |
| 15.833 | 140.8448 | 404.08 | .Q | .V | . | . | . | . |
| 15.917 | 144.0478 | 465.08 | .Q | .V | . | . | . | . |
| 16.000 | 147.9601 | 568.06 | .Q | .V | . | . | . | . |
| 16.083 | 153.3590 | 783.93 | . | .Q | .V | . | . | . |
| 16.167 | 161.4062 | 1168.45 | . | . | .V | .Q | . | . |
| 16.250 | 172.4118 | 1598.01 | . | . | .V | . | .Q | . |
| 16.333 | 184.8828 | 1810.79 | . | . | .V | . | .Q | . |
| 16.417 | 196.7885 | 1728.72 | . | . | .V | . | .Q | . |
| 16.500 | 205.6551 | 1287.43 | . | . | .QV | . | . | . |
| 16.583 | 211.8555 | 900.29 | . | . | .Q | .V | . | . |
| 16.667 | 216.4011 | 660.03 | . | .Q | . | .V | . | . |
| 16.750 | 219.9043 | 508.67 | . | .Q | . | .V | . | . |
| 16.833 | 222.7148 | 408.09 | . | .Q | . | .V | . | . |
| 16.917 | 225.2469 | 367.65 | . | .Q | . | .V | . | . |
| 17.000 | 227.5951 | 340.95 | . | .Q | . | .V | . | . |
| 17.083 | 229.7503 | 312.94 | . | .Q | . | .V | . | . |
| 17.167 | 231.6540 | 276.42 | . | .Q | . | .V | . | . |
| 17.250 | 233.4294 | 257.79 | . | .Q | . | .V | . | . |
| 17.333 | 235.0928 | 241.53 | . | .Q | . | .V | . | . |
| 17.417 | 236.6564 | 227.03 | . | .Q | . | .V | . | . |
| 17.500 | 238.1365 | 214.92 | . | .Q | . | .V | . | . |
| 17.583 | 239.5498 | 205.20 | . | .Q | . | .V | . | . |
| 17.667 | 240.9069 | 197.06 | . | .Q | . | .V | . | . |
| 17.750 | 242.2159 | 190.07 | . | .Q | . | .V | . | . |
| 17.833 | 243.4828 | 183.96 | . | .Q | . | .V | . | . |
| 17.917 | 244.7116 | 178.41 | . | .Q | . | .V | . | . |
| 18.000 | 245.9052 | 173.31 | . | .Q | . | .V | . | . |
| 18.083 | 247.0626 | 168.06 | . | .Q | . | .V | . | . |
| 18.167 | 248.1734 | 161.29 | . | .Q | . | .V | . | . |
| 18.250 | 249.2205 | 152.03 | . | .Q | . | .V | . | . |
| 18.333 | 250.1935 | 141.28 | . | .Q | . | .V | . | . |
| 18.417 | 251.0927 | 130.56 | . | .Q | . | .V | . | . |

| | | | | | | | | |
|--------|----------|--------|----|---|---|---|---|---|
| 18.500 | 251.9375 | 122.66 | .Q | . | . | . | V | . |
| 18.583 | 252.7442 | 117.15 | .Q | . | . | . | V | . |
| 18.667 | 253.5226 | 113.02 | .Q | . | . | . | V | . |
| 18.750 | 254.2788 | 109.79 | .Q | . | . | . | V | . |
| 18.833 | 255.0170 | 107.19 | .Q | . | . | . | V | . |
| 18.917 | 255.7386 | 104.78 | .Q | . | . | . | V | . |
| 19.000 | 256.4444 | 102.48 | .Q | . | . | . | V | . |
| 19.083 | 257.1353 | 100.33 | .Q | . | . | . | V | . |
| 19.167 | 257.8132 | 98.42 | .Q | . | . | . | V | . |
| 19.250 | 258.4785 | 96.60 | .Q | . | . | . | V | . |
| 19.333 | 259.1318 | 94.86 | .Q | . | . | . | V | . |
| 19.417 | 259.7737 | 93.21 | .Q | . | . | . | V | . |
| 19.500 | 260.4048 | 91.63 | .Q | . | . | . | V | . |
| 19.583 | 261.0254 | 90.11 | .Q | . | . | . | V | . |
| 19.667 | 261.6360 | 88.66 | .Q | . | . | . | V | . |
| 19.750 | 262.2371 | 87.27 | .Q | . | . | . | V | . |
| 19.833 | 262.8289 | 85.93 | .Q | . | . | . | V | . |
| 19.917 | 263.4119 | 84.65 | .Q | . | . | . | V | . |
| 20.000 | 263.9863 | 83.41 | .Q | . | . | . | V | . |
| 20.083 | 264.5526 | 82.22 | .Q | . | . | . | V | . |
| 20.167 | 265.1110 | 81.08 | .Q | . | . | . | V | . |
| 20.250 | 265.6618 | 79.97 | .Q | . | . | . | V | . |
| 20.333 | 266.2052 | 78.90 | .Q | . | . | . | V | . |
| 20.417 | 266.7415 | 77.87 | .Q | . | . | . | V | . |
| 20.500 | 267.2710 | 76.88 | .Q | . | . | . | V | . |
| 20.583 | 267.7938 | 75.91 | .Q | . | . | . | V | . |
| 20.667 | 268.3101 | 74.98 | .Q | . | . | . | V | . |
| 20.750 | 268.8203 | 74.07 | .Q | . | . | . | V | . |
| 20.833 | 269.3243 | 73.20 | .Q | . | . | . | V | . |
| 20.917 | 269.8226 | 72.35 | .Q | . | . | . | V | . |
| 21.000 | 270.3152 | 71.52 | .Q | . | . | . | V | . |
| 21.083 | 270.8022 | 70.72 | .Q | . | . | . | V | . |
| 21.167 | 271.2839 | 69.94 | .Q | . | . | . | V | . |
| 21.250 | 271.7603 | 69.18 | .Q | . | . | . | V | . |
| 21.333 | 272.2318 | 68.45 | .Q | . | . | . | V | . |
| 21.417 | 272.6982 | 67.73 | .Q | . | . | . | V | . |
| 21.500 | 273.1599 | 67.04 | .Q | . | . | . | V | . |
| 21.583 | 273.6169 | 66.36 | .Q | . | . | . | V | . |
| 21.667 | 274.0694 | 65.70 | .Q | . | . | . | V | . |
| 21.750 | 274.5174 | 65.05 | .Q | . | . | . | V | . |
| 21.833 | 274.9611 | 64.43 | .Q | . | . | . | V | . |
| 21.917 | 275.4006 | 63.81 | .Q | . | . | . | V | . |
| 22.000 | 275.8359 | 63.22 | .Q | . | . | . | V | . |
| 22.083 | 276.2673 | 62.63 | .Q | . | . | . | V | . |
| 22.167 | 276.6947 | 62.06 | .Q | . | . | . | V | . |
| 22.250 | 277.1183 | 61.51 | .Q | . | . | . | V | . |
| 22.333 | 277.5382 | 60.96 | .Q | . | . | . | V | . |
| 22.417 | 277.9544 | 60.43 | .Q | . | . | . | V | . |
| 22.500 | 278.3670 | 59.91 | .Q | . | . | . | V | . |
| 22.583 | 278.7762 | 59.41 | .Q | . | . | . | V | . |
| 22.667 | 279.1819 | 58.91 | .Q | . | . | . | V | . |
| 22.750 | 279.5843 | 58.42 | .Q | . | . | . | V | . |
| 22.833 | 279.9834 | 57.95 | .Q | . | . | . | V | . |
| 22.917 | 280.3792 | 57.48 | .Q | . | . | . | V | . |
| 23.000 | 280.7720 | 57.03 | .Q | . | . | . | V | . |
| 23.083 | 281.1616 | 56.58 | .Q | . | . | . | V | . |
| 23.167 | 281.5483 | 56.14 | .Q | . | . | . | V | . |
| 23.250 | 281.9320 | 55.71 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 23.333 | 282.3128 | 55.29 | .Q | . | . | . | V | . |
| 23.417 | 282.6907 | 54.88 | .Q | . | . | . | V | . |
| 23.500 | 283.0659 | 54.47 | .Q | . | . | . | V | . |
| 23.583 | 283.4383 | 54.08 | .Q | . | . | . | V | . |
| 23.667 | 283.8081 | 53.69 | .Q | . | . | . | V | . |
| 23.750 | 284.1752 | 53.30 | .Q | . | . | . | V | . |
| 23.833 | 284.5397 | 52.93 | .Q | . | . | . | V | . |
| 23.917 | 284.9017 | 52.56 | .Q | . | . | . | V | . |
| 24.000 | 285.2612 | 52.20 | .Q | . | . | . | V | . |
| 24.083 | 285.6124 | 50.98 | .Q | . | . | . | V | . |
| 24.167 | 285.9348 | 46.81 | Q | . | . | . | V | . |
| 24.250 | 286.1993 | 38.41 | Q | . | . | . | V | . |
| 24.333 | 286.3874 | 27.31 | Q | . | . | . | V | . |
| 24.417 | 286.4971 | 15.93 | Q | . | . | . | V | . |
| 24.500 | 286.5556 | 8.50 | Q | . | . | . | V | . |
| 24.583 | 286.5861 | 4.42 | Q | . | . | . | V | . |
| 24.667 | 286.6012 | 2.20 | Q | . | . | . | V | . |
| 24.750 | 286.6088 | 1.11 | Q | . | . | . | V | . |
| 24.833 | 286.6139 | 0.75 | Q | . | . | . | V | . |
| 24.917 | 286.6172 | 0.48 | Q | . | . | . | V | . |
| 25.000 | 286.6187 | 0.21 | 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% | 1500.0 |
| 10% | 265.0 |
| 20% | 80.0 |
| 30% | 45.0 |
| 40% | 35.0 |
| 50% | 25.0 |
| 60% | 25.0 |
| 70% | 20.0 |
| 80% | 15.0 |
| 90% | 10.0 |

END OF FLOODSCx ROUTING ANALYSIS

FLOOD ROUTING ANALYSIS
USING COUNTY HYDROLOGY MANUAL OF ORANGE (1986)
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Analysis prepared by:

***** DESCRIPTION OF STUDY *****
* RMV PA-3 BODR 2022 - SUBWATERSHED C *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 50-YR EV JULY 2022 ROKAMOTO *

FILE NAME: 3C50EVS.DAT
TIME/DATE OF STUDY: 14:50 07/21/2022

FLOW PROCESS FROM NODE 320.00 TO NODE 331.00 IS CODE = 1

>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

=====

(UNIT-HYDROGRAPH ADDED TO STREAM #1)

WATERSHED AREA = 1292.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.295 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED) S-GRAPH SELECTED
MAXIMUM WATERSHED LOSS RATE (INCH/HOUR) = 0.129
LOW LOSS FRACTION = 0.299
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL (INCH) = 0.37
SPECIFIED PEAK 30-MINUTES RAINFALL (INCH) = 0.80
SPECIFIED PEAK 1-HOUR RAINFALL (INCH) = 1.06
SPECIFIED PEAK 3-HOUR RAINFALL (INCH) = 1.78
SPECIFIED PEAK 6-HOUR RAINFALL (INCH) = 2.47
SPECIFIED PEAK 24-HOUR RAINFALL (INCH) = 4.12

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.942
30-MINUTE FACTOR = 0.942
1-HOUR FACTOR = 0.942
3-HOUR FACTOR = 0.991
6-HOUR FACTOR = 0.996
24-HOUR FACTOR = 0.997

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 28.249

UNIT HYDROGRAPH DETERMINATION

| INTERVAL NUMBER | "S" GRAPH MEAN VALUES | UNIT HYDROGRAPH ORDINATES (CFS) |
|-----------------|-----------------------|---------------------------------|
| 1 | 1.736 | 271.337 |
| 2 | 9.629 | 1233.569 |
| 3 | 26.094 | 2573.223 |
| 4 | 48.098 | 3438.971 |
| 5 | 70.345 | 3476.872 |
| 6 | 84.388 | 2194.753 |
| 7 | 91.977 | 1186.084 |
| 8 | 96.067 | 639.213 |
| 9 | 98.010 | 303.741 |
| 10 | 98.626 | 96.188 |
| 11 | 99.155 | 82.773 |
| 12 | 99.662 | 79.220 |
| 13 | 99.916 | 39.610 |
| 14 | 100.000 | 13.203 |

TOTAL SOIL-LOSS VOLUME (ACRE-FEET) = 113.4357
TOTAL STORM RUNOFF VOLUME (ACRE-FEET) = 328.9321

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 FIVE-MINUTE UNIT INTERVALS (CFS)

(Note: Time indicated is at END of Each Unit Intervals)

| TIME (HRS) | VOLUME (AF) | Q (CFS) | 0. | 525.0 | 1050.0 | 1575.0 | 2100.0 |
|------------|-------------|---------|-----|-------|--------|--------|--------|
| 0.083 | 0.0069 | 1.01 | Q | . | . | . | . |
| 0.167 | 0.0454 | 5.58 | Q | . | . | . | . |
| 0.250 | 0.1496 | 15.14 | Q | . | . | . | . |
| 0.333 | 0.3420 | 27.93 | Q | . | . | . | . |
| 0.417 | 0.6238 | 40.91 | Q | . | . | . | . |
| 0.500 | 0.9624 | 49.18 | Q | . | . | . | . |
| 0.583 | 1.3325 | 53.74 | VQ | . | . | . | . |
| 0.667 | 1.7202 | 56.28 | VQ | . | . | . | . |
| 0.750 | 2.1169 | 57.60 | VQ | . | . | . | . |
| 0.833 | 2.5173 | 58.15 | VQ | . | . | . | . |
| 0.917 | 2.9213 | 58.65 | VQ | . | . | . | . |
| 1.000 | 3.3286 | 59.15 | VQ | . | . | . | . |
| 1.083 | 3.7384 | 59.50 | VQ | . | . | . | . |
| 1.167 | 4.1499 | 59.75 | VQ | . | . | . | . |
| 1.250 | 4.5629 | 59.96 | VQ | . | . | . | . |
| 1.333 | 4.9772 | 60.17 | VQ | . | . | . | . |
| 1.417 | 5.3931 | 60.38 | VQ | . | . | . | . |
| 1.500 | 5.8104 | 60.59 | VQ | . | . | . | . |
| 1.583 | 6.2291 | 60.81 | VQ | . | . | . | . |
| 1.667 | 6.6494 | 61.02 | VQ | . | . | . | . |
| 1.750 | 7.0712 | 61.24 | VQ | . | . | . | . |
| 1.833 | 7.4945 | 61.46 | VQ | . | . | . | . |
| 1.917 | 7.9193 | 61.69 | VQ | . | . | . | . |
| 2.000 | 8.3457 | 61.91 | .Q | . | . | . | . |
| 2.083 | 8.7736 | 62.14 | .Q | . | . | . | . |
| 2.167 | 9.2031 | 62.37 | .Q | . | . | . | . |
| 2.250 | 9.6342 | 62.60 | .Q | . | . | . | . |
| 2.333 | 10.0670 | 62.83 | .Q | . | . | . | . |
| 2.417 | 10.5013 | 63.07 | .Q | . | . | . | . |
| 2.500 | 10.9373 | 63.30 | .Q | . | . | . | . |
| 2.583 | 11.3749 | 63.55 | .Q | . | . | . | . |
| 2.667 | 11.8142 | 63.79 | .Q | . | . | . | . |
| 2.750 | 12.2553 | 64.03 | .Q | . | . | . | . |
| 2.833 | 12.6980 | 64.28 | .Q | . | . | . | . |
| 2.917 | 13.1424 | 64.53 | .Q | . | . | . | . |
| 3.000 | 13.5886 | 64.78 | .Q | . | . | . | . |
| 3.083 | 14.0365 | 65.04 | .Q | . | . | . | . |
| 3.167 | 14.4862 | 65.30 | .Q | . | . | . | . |
| 3.250 | 14.9377 | 65.56 | .Q | . | . | . | . |
| 3.333 | 15.3910 | 65.82 | .Q | . | . | . | . |
| 3.417 | 15.8462 | 66.09 | .Q | . | . | . | . |
| 3.500 | 16.3032 | 66.36 | .Q | . | . | . | . |
| 3.583 | 16.7621 | 66.63 | .QV | . | . | . | . |
| 3.667 | 17.2229 | 66.90 | .QV | . | . | . | . |
| 3.750 | 17.6855 | 67.18 | .QV | . | . | . | . |
| 3.833 | 18.1502 | 67.46 | .QV | . | . | . | . |
| 3.917 | 18.6167 | 67.75 | .QV | . | . | . | . |

| | | | | | | | |
|-------|---------|-------|------|---|---|---|---|
| 4.000 | 19.0853 | 68.03 | .QV | . | . | . | . |
| 4.083 | 19.5558 | 68.32 | .QV | . | . | . | . |
| 4.167 | 20.0284 | 68.61 | .QV | . | . | . | . |
| 4.250 | 20.5030 | 68.91 | .QV | . | . | . | . |
| 4.333 | 20.9796 | 69.21 | .QV | . | . | . | . |
| 4.417 | 21.4584 | 69.52 | .QV | . | . | . | . |
| 4.500 | 21.9393 | 69.82 | .QV | . | . | . | . |
| 4.583 | 22.4223 | 70.13 | .QV | . | . | . | . |
| 4.667 | 22.9074 | 70.45 | .QV | . | . | . | . |
| 4.750 | 23.3948 | 70.76 | .QV | . | . | . | . |
| 4.833 | 23.8843 | 71.08 | .QV | . | . | . | . |
| 4.917 | 24.3761 | 71.41 | .QV | . | . | . | . |
| 5.000 | 24.8702 | 71.74 | .Q V | . | . | . | . |
| 5.083 | 25.3666 | 72.07 | .Q V | . | . | . | . |
| 5.167 | 25.8652 | 72.41 | .Q V | . | . | . | . |
| 5.250 | 26.3663 | 72.75 | .Q V | . | . | . | . |
| 5.333 | 26.8696 | 73.09 | .Q V | . | . | . | . |
| 5.417 | 27.3755 | 73.44 | .Q V | . | . | . | . |
| 5.500 | 27.8837 | 73.80 | .Q V | . | . | . | . |
| 5.583 | 28.3944 | 74.16 | .Q V | . | . | . | . |
| 5.667 | 28.9076 | 74.52 | .Q V | . | . | . | . |
| 5.750 | 29.4234 | 74.89 | .Q V | . | . | . | . |
| 5.833 | 29.9417 | 75.26 | .Q V | . | . | . | . |
| 5.917 | 30.4626 | 75.63 | .Q V | . | . | . | . |
| 6.000 | 30.9861 | 76.01 | .Q V | . | . | . | . |
| 6.083 | 31.5123 | 76.40 | .Q V | . | . | . | . |
| 6.167 | 32.0411 | 76.79 | .Q V | . | . | . | . |
| 6.250 | 32.5728 | 77.19 | .Q V | . | . | . | . |
| 6.333 | 33.1072 | 77.59 | .Q V | . | . | . | . |
| 6.417 | 33.6444 | 78.00 | .Q V | . | . | . | . |
| 6.500 | 34.1844 | 78.42 | .Q V | . | . | . | . |
| 6.583 | 34.7274 | 78.84 | .Q V | . | . | . | . |
| 6.667 | 35.2732 | 79.26 | .Q V | . | . | . | . |
| 6.750 | 35.8221 | 79.69 | .Q V | . | . | . | . |
| 6.833 | 36.3739 | 80.13 | .Q V | . | . | . | . |
| 6.917 | 36.9289 | 80.57 | .Q V | . | . | . | . |
| 7.000 | 37.4869 | 81.02 | .Q V | . | . | . | . |
| 7.083 | 38.0480 | 81.48 | .Q V | . | . | . | . |
| 7.167 | 38.6124 | 81.94 | .Q V | . | . | . | . |
| 7.250 | 39.1799 | 82.41 | .Q V | . | . | . | . |
| 7.333 | 39.7508 | 82.89 | .Q V | . | . | . | . |
| 7.417 | 40.3250 | 83.38 | .Q V | . | . | . | . |
| 7.500 | 40.9026 | 83.86 | .Q V | . | . | . | . |
| 7.583 | 41.4836 | 84.37 | .Q V | . | . | . | . |
| 7.667 | 42.0681 | 84.87 | .Q V | . | . | . | . |
| 7.750 | 42.6562 | 85.39 | .Q V | . | . | . | . |
| 7.833 | 43.2479 | 85.91 | .Q V | . | . | . | . |
| 7.917 | 43.8433 | 86.44 | .Q V | . | . | . | . |
| 8.000 | 44.4423 | 86.98 | .Q V | . | . | . | . |
| 8.083 | 45.0452 | 87.53 | .Q V | . | . | . | . |
| 8.167 | 45.6519 | 88.09 | .Q V | . | . | . | . |
| 8.250 | 46.2625 | 88.66 | .Q V | . | . | . | . |
| 8.333 | 46.8770 | 89.24 | .Q V | . | . | . | . |
| 8.417 | 47.4957 | 89.83 | .Q V | . | . | . | . |
| 8.500 | 48.1184 | 90.42 | .Q V | . | . | . | . |
| 8.583 | 48.7453 | 91.03 | .Q V | . | . | . | . |
| 8.667 | 49.3765 | 91.65 | .Q V | . | . | . | . |
| 8.750 | 50.0120 | 92.28 | .Q V | . | . | . | . |

| | | | | | | | |
|--------|----------|--------|----|----|---|---|---|
| 8.833 | 50.6519 | 92.91 | .Q | V | . | . | . |
| 8.917 | 51.2963 | 93.57 | .Q | V | . | . | . |
| 9.000 | 51.9453 | 94.23 | .Q | V | . | . | . |
| 9.083 | 52.5990 | 94.91 | .Q | V | . | . | . |
| 9.167 | 53.2574 | 95.60 | .Q | V | . | . | . |
| 9.250 | 53.9206 | 96.30 | .Q | V | . | . | . |
| 9.333 | 54.5887 | 97.01 | .Q | V | . | . | . |
| 9.417 | 55.2619 | 97.75 | .Q | V | . | . | . |
| 9.500 | 55.9402 | 98.49 | .Q | V | . | . | . |
| 9.583 | 56.6238 | 99.25 | .Q | V | . | . | . |
| 9.667 | 57.3126 | 100.02 | .Q | V | . | . | . |
| 9.750 | 58.0070 | 100.82 | .Q | V | . | . | . |
| 9.833 | 58.7068 | 101.62 | .Q | V | . | . | . |
| 9.917 | 59.4124 | 102.45 | .Q | V | . | . | . |
| 10.000 | 60.1237 | 103.28 | .Q | V | . | . | . |
| 10.083 | 60.8410 | 104.15 | .Q | V | . | . | . |
| 10.167 | 61.5642 | 105.02 | .Q | V | . | . | . |
| 10.250 | 62.2937 | 105.92 | .Q | V | . | . | . |
| 10.333 | 63.0295 | 106.84 | .Q | V | . | . | . |
| 10.417 | 63.7718 | 107.78 | .Q | V | . | . | . |
| 10.500 | 64.5206 | 108.73 | .Q | V | . | . | . |
| 10.583 | 65.2763 | 109.72 | .Q | V | . | . | . |
| 10.667 | 66.0388 | 110.72 | .Q | V | . | . | . |
| 10.750 | 66.8085 | 111.76 | .Q | V | . | . | . |
| 10.833 | 67.5854 | 112.81 | .Q | V | . | . | . |
| 10.917 | 68.3698 | 113.89 | .Q | V | . | . | . |
| 11.000 | 69.1618 | 115.00 | .Q | V | . | . | . |
| 11.083 | 69.9616 | 116.14 | .Q | V | . | . | . |
| 11.167 | 70.7695 | 117.30 | .Q | V | . | . | . |
| 11.250 | 71.5856 | 118.50 | .Q | V | . | . | . |
| 11.333 | 72.4102 | 119.73 | .Q | V | . | . | . |
| 11.417 | 73.2435 | 121.00 | .Q | V | . | . | . |
| 11.500 | 74.0857 | 122.29 | .Q | V | . | . | . |
| 11.583 | 74.9371 | 123.63 | .Q | V | . | . | . |
| 11.667 | 75.7980 | 125.00 | .Q | V | . | . | . |
| 11.750 | 76.6686 | 126.42 | .Q | V | . | . | . |
| 11.833 | 77.5492 | 127.86 | .Q | V | . | . | . |
| 11.917 | 78.4402 | 129.37 | .Q | V | . | . | . |
| 12.000 | 79.3418 | 130.91 | .Q | V | . | . | . |
| 12.083 | 80.2593 | 133.22 | .Q | V | . | . | . |
| 12.167 | 81.2102 | 138.07 | .Q | V | . | . | . |
| 12.250 | 82.2191 | 146.49 | .Q | V | . | . | . |
| 12.333 | 83.3019 | 157.22 | .Q | V | . | . | . |
| 12.417 | 84.4600 | 168.15 | .Q | V | . | . | . |
| 12.500 | 85.6709 | 175.82 | .Q | V | . | . | . |
| 12.583 | 86.9173 | 180.98 | .Q | V | . | . | . |
| 12.667 | 88.1898 | 184.77 | .Q | V | . | . | . |
| 12.750 | 89.4831 | 187.78 | .Q | V | . | . | . |
| 12.833 | 90.7938 | 190.32 | .Q | .V | . | . | . |
| 12.917 | 92.1226 | 192.93 | .Q | .V | . | . | . |
| 13.000 | 93.4697 | 195.60 | .Q | .V | . | . | . |
| 13.083 | 94.8352 | 198.28 | .Q | .V | . | . | . |
| 13.167 | 96.2194 | 200.97 | .Q | .V | . | . | . |
| 13.250 | 97.6227 | 203.77 | .Q | .V | . | . | . |
| 13.333 | 99.0459 | 206.65 | .Q | .V | . | . | . |
| 13.417 | 100.4900 | 209.68 | .Q | .V | . | . | . |
| 13.500 | 101.9557 | 212.82 | .Q | .V | . | . | . |
| 13.583 | 103.4441 | 216.13 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|----------|---------|----|----|-----|----|---|
| 13.667 | 104.9562 | 219.56 | .Q | .V | . | . | . |
| 13.750 | 106.4933 | 223.19 | .Q | .V | . | . | . |
| 13.833 | 108.0564 | 226.96 | .Q | .V | . | . | . |
| 13.917 | 109.6471 | 230.97 | .Q | .V | . | . | . |
| 14.000 | 111.2666 | 235.15 | .Q | .V | . | . | . |
| 14.083 | 112.9193 | 239.97 | .Q | .V | . | . | . |
| 14.167 | 114.6155 | 246.29 | .Q | .V | . | . | . |
| 14.250 | 116.3699 | 254.74 | .Q | .V | . | . | . |
| 14.333 | 118.1923 | 264.60 | .Q | .V | . | . | . |
| 14.417 | 120.0856 | 274.91 | .Q | .V | . | . | . |
| 14.500 | 122.0403 | 283.82 | .Q | .V | . | . | . |
| 14.583 | 124.0502 | 291.84 | .Q | .V | . | . | . |
| 14.667 | 126.1131 | 299.53 | .Q | .V | . | . | . |
| 14.750 | 128.2299 | 307.37 | .Q | .V | . | . | . |
| 14.833 | 130.4024 | 315.44 | .Q | .V | . | . | . |
| 14.917 | 132.6356 | 324.26 | .Q | .V | . | . | . |
| 15.000 | 134.9343 | 333.77 | .Q | .V | . | . | . |
| 15.083 | 137.3051 | 344.24 | .Q | .V | . | . | . |
| 15.167 | 139.7550 | 355.72 | .Q | .V | . | . | . |
| 15.250 | 142.2968 | 369.08 | .Q | .V | . | . | . |
| 15.333 | 144.9487 | 385.05 | .Q | .V | . | . | . |
| 15.417 | 147.7207 | 402.50 | .Q | .V | . | . | . |
| 15.500 | 150.5836 | 415.70 | .Q | .V | . | . | . |
| 15.583 | 153.4897 | 421.96 | .Q | .V | . | . | . |
| 15.667 | 156.4219 | 425.77 | .Q | .V | . | . | . |
| 15.750 | 159.4406 | 438.31 | .Q | .V | . | . | . |
| 15.833 | 162.7258 | 477.00 | .Q | .V | . | . | . |
| 15.917 | 166.5170 | 550.49 | .Q | .V | . | . | . |
| 16.000 | 171.1419 | 671.52 | .Q | .V | . | . | . |
| 16.083 | 177.4591 | 917.27 | . | .Q | .V | . | . |
| 16.167 | 186.7655 | 1351.28 | . | . | .V | .Q | . |
| 16.250 | 199.3138 | 1822.03 | . | . | .V | .Q | . |
| 16.333 | 213.4110 | 2046.91 | . | . | .V | .Q | . |
| 16.417 | 226.6701 | 1925.22 | . | . | .V | .Q | . |
| 16.500 | 236.4360 | 1418.01 | . | . | .QV | . | . |
| 16.583 | 243.2998 | 996.62 | . | .Q | .V | . | . |
| 16.667 | 248.3807 | 737.75 | . | .Q | .V | . | . |
| 16.750 | 252.3335 | 573.95 | . | .Q | .V | . | . |
| 16.833 | 255.5474 | 466.65 | . | .Q | .V | . | . |
| 16.917 | 258.4584 | 422.68 | . | .Q | .V | . | . |
| 17.000 | 261.1444 | 390.00 | . | .Q | .V | . | . |
| 17.083 | 263.5748 | 352.90 | . | .Q | .V | . | . |
| 17.167 | 265.7925 | 322.00 | . | .Q | .V | . | . |
| 17.250 | 267.8422 | 297.62 | . | .Q | .V | . | . |
| 17.333 | 269.7629 | 278.89 | . | .Q | .V | . | . |
| 17.417 | 271.5683 | 262.14 | . | .Q | .V | . | . |
| 17.500 | 273.2803 | 248.57 | . | .Q | .V | . | . |
| 17.583 | 274.9163 | 237.55 | . | .Q | .V | . | . |
| 17.667 | 276.4887 | 228.31 | . | .Q | .V | . | . |
| 17.750 | 278.0063 | 220.35 | . | .Q | .V | . | . |
| 17.833 | 279.4758 | 213.38 | . | .Q | .V | . | . |
| 17.917 | 280.9016 | 207.02 | .Q | . | .V | . | . |
| 18.000 | 282.2871 | 201.18 | .Q | . | .V | . | . |
| 18.083 | 283.6310 | 195.13 | .Q | . | .V | . | . |
| 18.167 | 284.9189 | 187.02 | .Q | . | .V | . | . |
| 18.250 | 286.1297 | 175.81 | .Q | . | .V | . | . |
| 18.333 | 287.2502 | 162.69 | .Q | . | .V | . | . |
| 18.417 | 288.2820 | 149.81 | .Q | . | .V | . | . |

| | | | | | | | | |
|--------|----------|--------|-----|---|---|---|---|---|
| 18.500 | 289.2500 | 140.56 | . Q | . | . | . | V | . |
| 18.583 | 290.1742 | 134.19 | . Q | . | . | . | V | . |
| 18.667 | 291.0657 | 129.45 | . Q | . | . | . | V | . |
| 18.750 | 291.9319 | 125.77 | . Q | . | . | . | V | . |
| 18.833 | 292.7777 | 122.80 | . Q | . | . | . | V | . |
| 18.917 | 293.6043 | 120.02 | . Q | . | . | . | V | . |
| 19.000 | 294.4127 | 117.38 | . Q | . | . | . | V | . |
| 19.083 | 295.2045 | 114.97 | . Q | . | . | . | V | . |
| 19.167 | 295.9809 | 112.74 | . Q | . | . | . | V | . |
| 19.250 | 296.7430 | 110.65 | . Q | . | . | . | V | . |
| 19.333 | 297.4914 | 108.67 | . Q | . | . | . | V | . |
| 19.417 | 298.2267 | 106.77 | . Q | . | . | . | V | . |
| 19.500 | 298.9495 | 104.95 | .Q | . | . | . | V | . |
| 19.583 | 299.6603 | 103.21 | .Q | . | . | . | V | . |
| 19.667 | 300.3597 | 101.55 | .Q | . | . | . | V | . |
| 19.750 | 301.0481 | 99.95 | .Q | . | . | . | V | . |
| 19.833 | 301.7259 | 98.42 | .Q | . | . | . | V | . |
| 19.917 | 302.3936 | 96.95 | .Q | . | . | . | V | . |
| 20.000 | 303.0515 | 95.53 | .Q | . | . | . | V | . |
| 20.083 | 303.7001 | 94.16 | .Q | . | . | . | V | . |
| 20.167 | 304.3395 | 92.85 | .Q | . | . | . | V | . |
| 20.250 | 304.9702 | 91.58 | .Q | . | . | . | V | . |
| 20.333 | 305.5925 | 90.36 | .Q | . | . | . | V | . |
| 20.417 | 306.2067 | 89.17 | .Q | . | . | . | V | . |
| 20.500 | 306.8129 | 88.03 | .Q | . | . | . | V | . |
| 20.583 | 307.4116 | 86.92 | .Q | . | . | . | V | . |
| 20.667 | 308.0028 | 85.85 | .Q | . | . | . | V | . |
| 20.750 | 308.5869 | 84.81 | .Q | . | . | . | V | . |
| 20.833 | 309.1641 | 83.81 | .Q | . | . | . | V | . |
| 20.917 | 309.7346 | 82.83 | .Q | . | . | . | V | . |
| 21.000 | 310.2985 | 81.88 | .Q | . | . | . | V | . |
| 21.083 | 310.8561 | 80.97 | .Q | . | . | . | V | . |
| 21.167 | 311.4076 | 80.07 | .Q | . | . | . | V | . |
| 21.250 | 311.9530 | 79.20 | .Q | . | . | . | V | . |
| 21.333 | 312.4927 | 78.36 | .Q | . | . | . | V | . |
| 21.417 | 313.0267 | 77.54 | .Q | . | . | . | V | . |
| 21.500 | 313.5553 | 76.74 | .Q | . | . | . | V | . |
| 21.583 | 314.0784 | 75.96 | .Q | . | . | . | V | . |
| 21.667 | 314.5964 | 75.20 | .Q | . | . | . | V | . |
| 21.750 | 315.1092 | 74.47 | .Q | . | . | . | V | . |
| 21.833 | 315.6171 | 73.75 | .Q | . | . | . | V | . |
| 21.917 | 316.1201 | 73.04 | .Q | . | . | . | V | . |
| 22.000 | 316.6185 | 72.36 | .Q | . | . | . | V | . |
| 22.083 | 317.1122 | 71.69 | .Q | . | . | . | V | . |
| 22.167 | 317.6014 | 71.04 | .Q | . | . | . | V | . |
| 22.250 | 318.0862 | 70.40 | .Q | . | . | . | V | . |
| 22.333 | 318.5668 | 69.78 | .Q | . | . | . | V | . |
| 22.417 | 319.0432 | 69.17 | .Q | . | . | . | V | . |
| 22.500 | 319.5154 | 68.57 | .Q | . | . | . | V | . |
| 22.583 | 319.9836 | 67.99 | .Q | . | . | . | V | . |
| 22.667 | 320.4480 | 67.42 | .Q | . | . | . | V | . |
| 22.750 | 320.9084 | 66.86 | .Q | . | . | . | V | . |
| 22.833 | 321.3652 | 66.31 | .Q | . | . | . | V | . |
| 22.917 | 321.8182 | 65.78 | .Q | . | . | . | V | . |
| 23.000 | 322.2676 | 65.26 | .Q | . | . | . | V | . |
| 23.083 | 322.7135 | 64.74 | .Q | . | . | . | V | . |
| 23.167 | 323.1560 | 64.24 | .Q | . | . | . | V | . |
| 23.250 | 323.5950 | 63.75 | .Q | . | . | . | V | . |

| | | | | | | | | |
|--------|----------|-------|----|---|---|---|---|---|
| 23.333 | 324.0308 | 63.27 | .Q | . | . | . | V | . |
| 23.417 | 324.4632 | 62.79 | .Q | . | . | . | V | . |
| 23.500 | 324.8925 | 62.33 | .Q | . | . | . | V | . |
| 23.583 | 325.3186 | 61.87 | .Q | . | . | . | V | . |
| 23.667 | 325.7417 | 61.43 | .Q | . | . | . | V | . |
| 23.750 | 326.1617 | 60.99 | .Q | . | . | . | V | . |
| 23.833 | 326.5788 | 60.56 | .Q | . | . | . | V | . |
| 23.917 | 326.9929 | 60.14 | .Q | . | . | . | V | . |
| 24.000 | 327.4042 | 59.72 | .Q | . | . | . | V | . |
| 24.083 | 327.8058 | 58.31 | .Q | . | . | . | V | . |
| 24.167 | 328.1732 | 53.35 | .Q | . | . | . | V | . |
| 24.250 | 328.4726 | 43.47 | Q | . | . | . | V | . |
| 24.333 | 328.6823 | 30.46 | Q | . | . | . | V | . |
| 24.417 | 328.8021 | 17.39 | Q | . | . | . | V | . |
| 24.500 | 328.8651 | 9.15 | Q | . | . | . | V | . |
| 24.583 | 328.8976 | 4.70 | Q | . | . | . | V | . |
| 24.667 | 328.9135 | 2.31 | Q | . | . | . | V | . |
| 24.750 | 328.9215 | 1.17 | Q | . | . | . | V | . |
| 24.833 | 328.9271 | 0.81 | Q | . | . | . | V | . |
| 24.917 | 328.9305 | 0.49 | Q | . | . | . | V | . |
| 25.000 | 328.9318 | 0.20 | Q | . | . | . | V | . |
| 25.083 | 328.9321 | 0.05 | 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% | 1505.0 |
| 10% | 280.0 |
| 20% | 90.0 |
| 30% | 45.0 |
| 40% | 35.0 |
| 50% | 25.0 |
| 60% | 25.0 |
| 70% | 15.0 |
| 80% | 15.0 |
| 90% | 10.0 |
| ===== | ===== |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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5 Hutton Centre Drive Suite 500
Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA E *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 100-YR EV MARCH 2019 CCHIU *

FILE NAME: 4E00EVS.DAT
TIME/DATE OF STUDY: 14:26 03/13/2019

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 810.00 TO NODE 817.00 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) = 171.00
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.174
LOW LOSS FRACTION = 0.374
TIME OF CONCENTRATION (MIN.) = 9.39
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 25
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.40
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.87
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.15
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.94
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.71
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.49

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 39.14

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 24.84

=====

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. | 122.6 | 245.1 | 367.7 | 490.2 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 10.000 | 7.0368 | 12.06 | Q | V | . | . | . |
| 10.017 | 7.0534 | 12.08 | Q | V | . | . | . |
| 10.033 | 7.0701 | 12.09 | Q | V | . | . | . |
| 10.050 | 7.0867 | 12.11 | Q | V | . | . | . |
| 10.067 | 7.1034 | 12.12 | Q | V | . | . | . |
| 10.083 | 7.1202 | 12.15 | Q | V | . | . | . |
| 10.100 | 7.1370 | 12.18 | Q | V | . | . | . |
| 10.117 | 7.1538 | 12.21 | Q | V | . | . | . |
| 10.133 | 7.1706 | 12.24 | Q | V | . | . | . |
| 10.150 | 7.1875 | 12.27 | .Q | V | . | . | . |
| 10.167 | 7.2045 | 12.30 | .Q | V | . | . | . |
| 10.183 | 7.2214 | 12.33 | .Q | V | . | . | . |
| 10.200 | 7.2385 | 12.35 | .Q | V | . | . | . |
| 10.217 | 7.2555 | 12.38 | .Q | V | . | . | . |
| 10.233 | 7.2726 | 12.40 | .Q | V | . | . | . |
| 10.250 | 7.2897 | 12.41 | .Q | V | . | . | . |
| 10.267 | 7.3068 | 12.43 | .Q | V | . | . | . |
| 10.283 | 7.3240 | 12.44 | .Q | V | . | . | . |
| 10.300 | 7.3411 | 12.46 | .Q | V | . | . | . |
| 10.317 | 7.3583 | 12.48 | .Q | V | . | . | . |
| 10.333 | 7.3755 | 12.49 | .Q | V | . | . | . |
| 10.350 | 7.3927 | 12.51 | .Q | V | . | . | . |
| 10.367 | 7.4100 | 12.52 | .Q | V | . | . | . |
| 10.383 | 7.4273 | 12.54 | .Q | V | . | . | . |
| 10.400 | 7.4446 | 12.58 | .Q | V | . | . | . |
| 10.417 | 7.4619 | 12.61 | .Q | V | . | . | . |
| 10.433 | 7.4794 | 12.64 | .Q | V | . | . | . |
| 10.450 | 7.4968 | 12.67 | .Q | V | . | . | . |
| 10.467 | 7.5143 | 12.70 | .Q | V | . | . | . |
| 10.483 | 7.5318 | 12.73 | .Q | V | . | . | . |
| 10.500 | 7.5494 | 12.76 | .Q | V | . | . | . |
| 10.517 | 7.5670 | 12.80 | .Q | V | . | . | . |
| 10.533 | 7.5847 | 12.82 | .Q | V | . | . | . |
| 10.550 | 7.6024 | 12.84 | .Q | V | . | . | . |
| 10.567 | 7.6201 | 12.86 | .Q | V | . | . | . |
| 10.583 | 7.6378 | 12.87 | .Q | V | . | . | . |
| 10.600 | 7.6556 | 12.89 | .Q | V | . | . | . |
| 10.617 | 7.6734 | 12.91 | .Q | V | . | . | . |
| 10.633 | 7.6912 | 12.92 | .Q | V | . | . | . |
| 10.650 | 7.7090 | 12.94 | .Q | V | . | . | . |
| 10.667 | 7.7268 | 12.96 | .Q | V | . | . | . |
| 10.683 | 7.7447 | 12.97 | .Q | V | . | . | . |
| 10.700 | 7.7626 | 13.00 | .Q | V | . | . | . |
| 10.717 | 7.7806 | 13.04 | .Q | V | . | . | . |
| 10.733 | 7.7986 | 13.07 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|---|---|---|---|
| 10.750 | 7.8166 | 13.11 | .Q | V | . | . | . |
| 10.767 | 7.8348 | 13.14 | .Q | V | . | . | . |
| 10.783 | 7.8529 | 13.18 | .Q | V | . | . | . |
| 10.800 | 7.8711 | 13.21 | .Q | V | . | . | . |
| 10.817 | 7.8893 | 13.25 | .Q | V | . | . | . |
| 10.833 | 7.9076 | 13.28 | .Q | V | . | . | . |
| 10.850 | 7.9260 | 13.31 | .Q | V | . | . | . |
| 10.867 | 7.9443 | 13.33 | .Q | V | . | . | . |
| 10.883 | 7.9627 | 13.34 | .Q | V | . | . | . |
| 10.900 | 7.9811 | 13.36 | .Q | V | . | . | . |
| 10.917 | 7.9995 | 13.38 | .Q | V | . | . | . |
| 10.933 | 8.0180 | 13.40 | .Q | V | . | . | . |
| 10.950 | 8.0365 | 13.42 | .Q | V | . | . | . |
| 10.967 | 8.0550 | 13.44 | .Q | V | . | . | . |
| 10.983 | 8.0735 | 13.45 | .Q | V | . | . | . |
| 11.000 | 8.0921 | 13.47 | .Q | V | . | . | . |
| 11.017 | 8.1107 | 13.51 | .Q | V | . | . | . |
| 11.033 | 8.1293 | 13.55 | .Q | V | . | . | . |
| 11.050 | 8.1481 | 13.59 | .Q | V | . | . | . |
| 11.067 | 8.1668 | 13.62 | .Q | V | . | . | . |
| 11.083 | 8.1856 | 13.66 | .Q | V | . | . | . |
| 11.100 | 8.2045 | 13.70 | .Q | V | . | . | . |
| 11.117 | 8.2234 | 13.74 | .Q | V | . | . | . |
| 11.133 | 8.2424 | 13.78 | .Q | V | . | . | . |
| 11.150 | 8.2614 | 13.81 | .Q | V | . | . | . |
| 11.167 | 8.2805 | 13.84 | .Q | V | . | . | . |
| 11.183 | 8.2996 | 13.86 | .Q | V | . | . | . |
| 11.200 | 8.3187 | 13.88 | .Q | V | . | . | . |
| 11.217 | 8.3379 | 13.90 | .Q | V | . | . | . |
| 11.233 | 8.3570 | 13.92 | .Q | V | . | . | . |
| 11.250 | 8.3762 | 13.94 | .Q | V | . | . | . |
| 11.267 | 8.3955 | 13.96 | .Q | V | . | . | . |
| 11.283 | 8.4147 | 13.98 | .Q | V | . | . | . |
| 11.300 | 8.4340 | 14.00 | .Q | V | . | . | . |
| 11.317 | 8.4533 | 14.03 | .Q | V | . | . | . |
| 11.333 | 8.4727 | 14.07 | .Q | V | . | . | . |
| 11.350 | 8.4922 | 14.11 | .Q | V | . | . | . |
| 11.367 | 8.5117 | 14.15 | .Q | V | . | . | . |
| 11.383 | 8.5312 | 14.20 | .Q | V | . | . | . |
| 11.400 | 8.5508 | 14.24 | .Q | V | . | . | . |
| 11.417 | 8.5705 | 14.28 | .Q | V | . | . | . |
| 11.433 | 8.5902 | 14.32 | .Q | V | . | . | . |
| 11.450 | 8.6100 | 14.37 | .Q | V | . | . | . |
| 11.467 | 8.6299 | 14.41 | .Q | V | . | . | . |
| 11.483 | 8.6497 | 14.43 | .Q | V | . | . | . |
| 11.500 | 8.6697 | 14.46 | .Q | V | . | . | . |
| 11.517 | 8.6896 | 14.48 | .Q | V | . | . | . |
| 11.533 | 8.7096 | 14.50 | .Q | V | . | . | . |
| 11.550 | 8.7296 | 14.52 | .Q | V | . | . | . |
| 11.567 | 8.7496 | 14.55 | .Q | V | . | . | . |
| 11.583 | 8.7697 | 14.57 | .Q | V | . | . | . |
| 11.600 | 8.7898 | 14.59 | .Q | V | . | . | . |
| 11.617 | 8.8099 | 14.61 | .Q | V | . | . | . |
| 11.633 | 8.8301 | 14.65 | .Q | V | . | . | . |
| 11.650 | 8.8503 | 14.69 | .Q | V | . | . | . |
| 11.667 | 8.8706 | 14.74 | .Q | V | . | . | . |
| 11.683 | 8.8910 | 14.79 | .Q | V | . | . | . |
| 11.700 | 8.9114 | 14.83 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 11.717 | 8.9319 | 14.88 | .Q | V. | . | . | . |
| 11.733 | 8.9525 | 14.93 | .Q | V. | . | . | . |
| 11.750 | 8.9731 | 14.98 | .Q | V. | . | . | . |
| 11.767 | 8.9938 | 15.02 | .Q | V. | . | . | . |
| 11.783 | 9.0146 | 15.07 | .Q | V. | . | . | . |
| 11.800 | 9.0354 | 15.10 | .Q | V. | . | . | . |
| 11.817 | 9.0562 | 15.12 | .Q | V. | . | . | . |
| 11.833 | 9.0770 | 15.15 | .Q | V. | . | . | . |
| 11.850 | 9.0979 | 15.17 | .Q | V. | . | . | . |
| 11.867 | 9.1189 | 15.20 | .Q | V. | . | . | . |
| 11.883 | 9.1398 | 15.22 | .Q | V. | . | . | . |
| 11.900 | 9.1608 | 15.25 | .Q | V. | . | . | . |
| 11.917 | 9.1819 | 15.27 | .Q | V. | . | . | . |
| 11.933 | 9.2029 | 15.30 | .Q | V. | . | . | . |
| 11.950 | 9.2242 | 15.46 | .Q | V. | . | . | . |
| 11.967 | 9.2459 | 15.70 | .Q | V. | . | . | . |
| 11.983 | 9.2678 | 15.94 | .Q | V. | . | . | . |
| 12.000 | 9.2901 | 16.17 | .Q | V. | . | . | . |
| 12.017 | 9.3127 | 16.41 | .Q | V. | . | . | . |
| 12.033 | 9.3356 | 16.65 | .Q | V. | . | . | . |
| 12.050 | 9.3589 | 16.89 | .Q | V. | . | . | . |
| 12.067 | 9.3825 | 17.13 | .Q | V. | . | . | . |
| 12.083 | 9.4064 | 17.37 | .Q | V. | . | . | . |
| 12.100 | 9.4307 | 17.65 | .Q | V. | . | . | . |
| 12.117 | 9.4556 | 18.04 | .Q | V. | . | . | . |
| 12.133 | 9.4810 | 18.43 | .Q | V. | . | . | . |
| 12.150 | 9.5069 | 18.82 | .Q | V. | . | . | . |
| 12.167 | 9.5333 | 19.21 | .Q | V. | . | . | . |
| 12.183 | 9.5603 | 19.60 | .Q | V. | . | . | . |
| 12.200 | 9.5879 | 20.00 | .Q | V. | . | . | . |
| 12.217 | 9.6160 | 20.39 | .Q | V. | . | . | . |
| 12.233 | 9.6446 | 20.78 | .Q | V. | . | . | . |
| 12.250 | 9.6737 | 21.15 | .Q | V. | . | . | . |
| 12.267 | 9.7030 | 21.28 | .Q | V. | . | . | . |
| 12.283 | 9.7324 | 21.35 | .Q | V. | . | . | . |
| 12.300 | 9.7619 | 21.41 | .Q | V. | . | . | . |
| 12.317 | 9.7915 | 21.48 | .Q | V | . | . | . |
| 12.333 | 9.8212 | 21.54 | .Q | V | . | . | . |
| 12.350 | 9.8510 | 21.61 | .Q | V | . | . | . |
| 12.367 | 9.8808 | 21.67 | .Q | V | . | . | . |
| 12.383 | 9.9108 | 21.74 | .Q | V | . | . | . |
| 12.400 | 9.9408 | 21.80 | .Q | V | . | . | . |
| 12.417 | 9.9709 | 21.85 | .Q | V | . | . | . |
| 12.433 | 10.0010 | 21.89 | .Q | V | . | . | . |
| 12.450 | 10.0312 | 21.92 | .Q | V | . | . | . |
| 12.467 | 10.0615 | 21.96 | .Q | V | . | . | . |
| 12.483 | 10.0918 | 21.99 | .Q | V | . | . | . |
| 12.500 | 10.1221 | 22.03 | .Q | V | . | . | . |
| 12.517 | 10.1525 | 22.06 | .Q | V | . | . | . |
| 12.533 | 10.1829 | 22.10 | .Q | V | . | . | . |
| 12.550 | 10.2134 | 22.13 | .Q | V | . | . | . |
| 12.567 | 10.2440 | 22.17 | .Q | V | . | . | . |
| 12.583 | 10.2746 | 22.24 | .Q | V | . | . | . |
| 12.600 | 10.3053 | 22.32 | .Q | V | . | . | . |
| 12.617 | 10.3362 | 22.39 | .Q | V | . | . | . |
| 12.633 | 10.3671 | 22.47 | .Q | V | . | . | . |
| 12.650 | 10.3982 | 22.54 | .Q | V | . | . | . |
| 12.667 | 10.4293 | 22.61 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.683 | 10.4606 | 22.69 | .Q | V | . | . | . |
| 12.700 | 10.4919 | 22.76 | .Q | V | . | . | . |
| 12.717 | 10.5234 | 22.84 | .Q | V | . | . | . |
| 12.733 | 10.5549 | 22.89 | .Q | V | . | . | . |
| 12.750 | 10.5865 | 22.93 | .Q | V | . | . | . |
| 12.767 | 10.6181 | 22.97 | .Q | V | . | . | . |
| 12.783 | 10.6498 | 23.01 | .Q | V | . | . | . |
| 12.800 | 10.6815 | 23.05 | .Q | V | . | . | . |
| 12.817 | 10.7133 | 23.08 | .Q | V | . | . | . |
| 12.833 | 10.7452 | 23.12 | .Q | V | . | . | . |
| 12.850 | 10.7771 | 23.16 | .Q | .V | . | . | . |
| 12.867 | 10.8091 | 23.20 | .Q | .V | . | . | . |
| 12.883 | 10.8411 | 23.26 | .Q | .V | . | . | . |
| 12.900 | 10.8732 | 23.34 | .Q | .V | . | . | . |
| 12.917 | 10.9055 | 23.43 | .Q | .V | . | . | . |
| 12.933 | 10.9379 | 23.51 | .Q | .V | . | . | . |
| 12.950 | 10.9704 | 23.60 | .Q | .V | . | . | . |
| 12.967 | 11.0030 | 23.68 | .Q | .V | . | . | . |
| 12.983 | 11.0358 | 23.77 | .Q | .V | . | . | . |
| 13.000 | 11.0686 | 23.86 | .Q | .V | . | . | . |
| 13.017 | 11.1016 | 23.94 | .Q | .V | . | . | . |
| 13.033 | 11.1347 | 24.02 | .Q | .V | . | . | . |
| 13.050 | 11.1679 | 24.08 | .Q | .V | . | . | . |
| 13.067 | 11.2011 | 24.12 | .Q | .V | . | . | . |
| 13.083 | 11.2344 | 24.17 | .Q | .V | . | . | . |
| 13.100 | 11.2677 | 24.21 | .Q | .V | . | . | . |
| 13.117 | 11.3012 | 24.26 | .Q | .V | . | . | . |
| 13.133 | 11.3346 | 24.31 | .Q | .V | . | . | . |
| 13.150 | 11.3682 | 24.35 | .Q | .V | . | . | . |
| 13.167 | 11.4018 | 24.40 | .Q | .V | . | . | . |
| 13.183 | 11.4355 | 24.45 | .Q | .V | . | . | . |
| 13.200 | 11.4692 | 24.52 | .Q | .V | . | . | . |
| 13.217 | 11.5031 | 24.62 | .Q | .V | . | . | . |
| 13.233 | 11.5372 | 24.72 | .Q | .V | . | . | . |
| 13.250 | 11.5714 | 24.82 | .Q | .V | . | . | . |
| 13.267 | 11.6057 | 24.92 | .Q | .V | . | . | . |
| 13.283 | 11.6402 | 25.02 | .Q | .V | . | . | . |
| 13.300 | 11.6748 | 25.12 | .Q | .V | . | . | . |
| 13.317 | 11.7095 | 25.22 | .Q | .V | . | . | . |
| 13.333 | 11.7444 | 25.32 | .Q | .V | . | . | . |
| 13.350 | 11.7794 | 25.41 | .Q | .V | . | . | . |
| 13.367 | 11.8145 | 25.47 | .Q | .V | . | . | . |
| 13.383 | 11.8496 | 25.52 | .Q | .V | . | . | . |
| 13.400 | 11.8849 | 25.58 | .Q | .V | . | . | . |
| 13.417 | 11.9202 | 25.63 | .Q | .V | . | . | . |
| 13.433 | 11.9555 | 25.69 | .Q | .V | . | . | . |
| 13.450 | 11.9910 | 25.74 | .Q | .V | . | . | . |
| 13.467 | 12.0265 | 25.80 | .Q | .V | . | . | . |
| 13.483 | 12.0621 | 25.85 | .Q | .V | . | . | . |
| 13.500 | 12.0978 | 25.91 | .Q | .V | . | . | . |
| 13.517 | 12.1336 | 26.01 | .Q | .V | . | . | . |
| 13.533 | 12.1696 | 26.13 | .Q | .V | . | . | . |
| 13.550 | 12.2058 | 26.25 | .Q | .V | . | . | . |
| 13.567 | 12.2421 | 26.36 | .Q | .V | . | . | . |
| 13.583 | 12.2786 | 26.48 | .Q | .V | . | . | . |
| 13.600 | 12.3152 | 26.60 | .Q | .V | . | . | . |
| 13.617 | 12.3520 | 26.72 | .Q | .V | . | . | . |
| 13.633 | 12.3890 | 26.84 | .Q | .V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 12.4261 | 26.96 | . Q | . V | . | . | . |
| 13.667 | 12.4634 | 27.06 | . Q | . V | . | . | . |
| 13.683 | 12.5008 | 27.13 | . Q | . V | . | . | . |
| 13.700 | 12.5382 | 27.19 | . Q | . V | . | . | . |
| 13.717 | 12.5758 | 27.26 | . Q | . V | . | . | . |
| 13.733 | 12.6134 | 27.32 | . Q | . V | . | . | . |
| 13.750 | 12.6511 | 27.39 | . Q | . V | . | . | . |
| 13.767 | 12.6889 | 27.45 | . Q | . V | . | . | . |
| 13.783 | 12.7269 | 27.52 | . Q | . V | . | . | . |
| 13.800 | 12.7649 | 27.59 | . Q | . V | . | . | . |
| 13.817 | 12.8029 | 27.66 | . Q | . V | . | . | . |
| 13.833 | 12.8412 | 27.79 | . Q | . V | . | . | . |
| 13.850 | 12.8797 | 27.94 | . Q | . V | . | . | . |
| 13.867 | 12.9184 | 28.08 | . Q | . V | . | . | . |
| 13.883 | 12.9573 | 28.23 | . Q | . V | . | . | . |
| 13.900 | 12.9964 | 28.38 | . Q | . V | . | . | . |
| 13.917 | 13.0357 | 28.52 | . Q | . V | . | . | . |
| 13.933 | 13.0751 | 28.67 | . Q | . V | . | . | . |
| 13.950 | 13.1148 | 28.81 | . Q | . V | . | . | . |
| 13.967 | 13.1547 | 28.96 | . Q | . V | . | . | . |
| 13.983 | 13.1947 | 29.06 | . Q | . V | . | . | . |
| 14.000 | 13.2349 | 29.14 | . Q | . V | . | . | . |
| 14.017 | 13.2751 | 29.21 | . Q | . V | . | . | . |
| 14.033 | 13.3154 | 29.28 | . Q | . V | . | . | . |
| 14.050 | 13.3559 | 29.36 | . Q | . V | . | . | . |
| 14.067 | 13.3964 | 29.43 | . Q | . V | . | . | . |
| 14.083 | 13.4371 | 29.51 | . Q | . V | . | . | . |
| 14.100 | 13.4778 | 29.58 | . Q | . V | . | . | . |
| 14.117 | 13.5187 | 29.65 | . Q | . V | . | . | . |
| 14.133 | 13.5596 | 29.75 | . Q | . V | . | . | . |
| 14.150 | 13.6008 | 29.89 | . Q | . V | . | . | . |
| 14.167 | 13.6422 | 30.04 | . Q | . V | . | . | . |
| 14.183 | 13.6838 | 30.19 | . Q | . V | . | . | . |
| 14.200 | 13.7255 | 30.34 | . Q | . V | . | . | . |
| 14.217 | 13.7675 | 30.48 | . Q | . V | . | . | . |
| 14.233 | 13.8097 | 30.63 | . Q | . V | . | . | . |
| 14.250 | 13.8521 | 30.78 | . Q | . V | . | . | . |
| 14.267 | 13.8947 | 30.93 | . Q | . V | . | . | . |
| 14.283 | 13.9375 | 31.07 | . Q | . V | . | . | . |
| 14.300 | 13.9805 | 31.19 | . Q | . V | . | . | . |
| 14.317 | 14.0236 | 31.29 | . Q | . V | . | . | . |
| 14.333 | 14.0668 | 31.40 | . Q | . V | . | . | . |
| 14.350 | 14.1102 | 31.50 | . Q | . V | . | . | . |
| 14.367 | 14.1538 | 31.61 | . Q | . V | . | . | . |
| 14.383 | 14.1974 | 31.71 | . Q | . V | . | . | . |
| 14.400 | 14.2413 | 31.81 | . Q | . V | . | . | . |
| 14.417 | 14.2852 | 31.92 | . Q | . V | . | . | . |
| 14.433 | 14.3293 | 32.02 | . Q | . V | . | . | . |
| 14.450 | 14.3736 | 32.18 | . Q | . V | . | . | . |
| 14.467 | 14.4183 | 32.42 | . Q | . V | . | . | . |
| 14.483 | 14.4633 | 32.66 | . Q | . V | . | . | . |
| 14.500 | 14.5086 | 32.90 | . Q | . V | . | . | . |
| 14.517 | 14.5542 | 33.14 | . Q | . V | . | . | . |
| 14.533 | 14.6002 | 33.38 | . Q | . V | . | . | . |
| 14.550 | 14.6465 | 33.62 | . Q | . V | . | . | . |
| 14.567 | 14.6931 | 33.85 | . Q | . V | . | . | . |
| 14.583 | 14.7401 | 34.09 | . Q | . V | . | . | . |
| 14.600 | 14.7874 | 34.32 | . Q | . V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 14.617 | 14.8349 | 34.47 | . Q | . V | . | . | . |
| 14.633 | 14.8825 | 34.61 | . Q | . V | . | . | . |
| 14.650 | 14.9304 | 34.75 | . Q | . V | . | . | . |
| 14.667 | 14.9785 | 34.89 | . Q | . V | . | . | . |
| 14.683 | 15.0267 | 35.03 | . Q | . V | . | . | . |
| 14.700 | 15.0752 | 35.17 | . Q | . V | . | . | . |
| 14.717 | 15.1238 | 35.31 | . Q | . V | . | . | . |
| 14.733 | 15.1726 | 35.45 | . Q | . V | . | . | . |
| 14.750 | 15.2216 | 35.59 | . Q | . V | . | . | . |
| 14.767 | 15.2710 | 35.85 | . Q | . V | . | . | . |
| 14.783 | 15.3209 | 36.18 | . Q | . V | . | . | . |
| 14.800 | 15.3712 | 36.51 | . Q | . V | . | . | . |
| 14.817 | 15.4219 | 36.85 | . Q | . V | . | . | . |
| 14.833 | 15.4731 | 37.18 | . Q | . V | . | . | . |
| 14.850 | 15.5248 | 37.51 | . Q | . V | . | . | . |
| 14.867 | 15.5769 | 37.85 | . Q | . V | . | . | . |
| 14.883 | 15.6295 | 38.18 | . Q | . V | . | . | . |
| 14.900 | 15.6826 | 38.51 | . Q | . V | . | . | . |
| 14.917 | 15.7360 | 38.81 | . Q | . V | . | . | . |
| 14.933 | 15.7898 | 39.02 | . Q | . V | . | . | . |
| 14.950 | 15.8438 | 39.22 | . Q | . V | . | . | . |
| 14.967 | 15.8981 | 39.42 | . Q | . V | . | . | . |
| 14.983 | 15.9527 | 39.62 | . Q | . V | . | . | . |
| 15.000 | 16.0075 | 39.82 | . Q | . V | . | . | . |
| 15.017 | 16.0626 | 40.03 | . Q | . V | . | . | . |
| 15.033 | 16.1181 | 40.23 | . Q | . V | . | . | . |
| 15.050 | 16.1737 | 40.43 | . Q | . V | . | . | . |
| 15.067 | 16.2297 | 40.65 | . Q | . V | . | . | . |
| 15.083 | 16.2864 | 41.12 | . Q | . V | . | . | . |
| 15.100 | 16.3438 | 41.67 | . Q | . V | . | . | . |
| 15.117 | 16.4019 | 42.22 | . Q | . V | . | . | . |
| 15.133 | 16.4608 | 42.76 | . Q | . V | . | . | . |
| 15.150 | 16.5205 | 43.31 | . Q | . V | . | . | . |
| 15.167 | 16.5809 | 43.86 | . Q | . V | . | . | . |
| 15.183 | 16.6420 | 44.40 | . Q | . V | . | . | . |
| 15.200 | 16.7040 | 44.95 | . Q | . V | . | . | . |
| 15.217 | 16.7666 | 45.50 | . Q | . V | . | . | . |
| 15.233 | 16.8300 | 46.03 | . Q | . V | . | . | . |
| 15.250 | 16.8942 | 46.56 | . Q | . V | . | . | . |
| 15.267 | 16.9590 | 47.08 | . Q | . V | . | . | . |
| 15.283 | 17.0246 | 47.61 | . Q | . V | . | . | . |
| 15.300 | 17.0909 | 48.13 | . Q | . V | . | . | . |
| 15.317 | 17.1579 | 48.66 | . Q | . V | . | . | . |
| 15.333 | 17.2257 | 49.18 | . Q | . V | . | . | . |
| 15.350 | 17.2941 | 49.71 | . Q | . V | . | . | . |
| 15.367 | 17.3633 | 50.23 | . Q | . V | . | . | . |
| 15.383 | 17.4331 | 50.68 | . Q | . V | . | . | . |
| 15.400 | 17.5031 | 50.79 | . Q | . V | . | . | . |
| 15.417 | 17.5731 | 50.84 | . Q | . V | . | . | . |
| 15.433 | 17.6432 | 50.90 | . Q | . V | . | . | . |
| 15.450 | 17.7134 | 50.95 | . Q | . V | . | . | . |
| 15.467 | 17.7837 | 51.01 | . Q | . V | . | . | . |
| 15.483 | 17.8540 | 51.06 | . Q | . V | . | . | . |
| 15.500 | 17.9244 | 51.12 | . Q | . V | . | . | . |
| 15.517 | 17.9949 | 51.17 | . Q | . V | . | . | . |
| 15.533 | 18.0655 | 51.24 | . Q | . V | . | . | . |
| 15.550 | 18.1370 | 51.96 | . Q | . V | . | . | . |
| 15.567 | 18.2101 | 53.02 | . Q | . V | . | . | . |

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|--------|---------|--------|-----|---|---|---|---|
| 15.583 | 18.2846 | 54.09 | . Q | . | V | . | . |
| 15.600 | 18.3605 | 55.15 | . Q | . | V | . | . |
| 15.617 | 18.4380 | 56.22 | . Q | . | V | . | . |
| 15.633 | 18.5169 | 57.28 | . Q | . | V | . | . |
| 15.650 | 18.5972 | 58.35 | . Q | . | V | . | . |
| 15.667 | 18.6791 | 59.41 | . Q | . | V | . | . |
| 15.683 | 18.7624 | 60.48 | . Q | . | V | . | . |
| 15.700 | 18.8488 | 62.71 | . Q | . | V | . | . |
| 15.717 | 18.9418 | 67.54 | . Q | . | V | . | . |
| 15.733 | 19.0416 | 72.46 | . Q | . | V | . | . |
| 15.750 | 19.1482 | 77.39 | . Q | . | V | . | . |
| 15.767 | 19.2616 | 82.31 | . Q | . | V | . | . |
| 15.783 | 19.3817 | 87.23 | . Q | . | V | . | . |
| 15.800 | 19.5087 | 92.15 | . Q | . | V | . | . |
| 15.817 | 19.6424 | 97.07 | . Q | . | V | . | . |
| 15.833 | 19.7829 | 102.00 | . Q | . | V | . | . |
| 15.850 | 19.9301 | 106.93 | . Q | . | V | . | . |
| 15.867 | 20.0843 | 111.92 | . Q | . | V | . | . |
| 15.883 | 20.2454 | 116.93 | . Q | . | V | . | . |
| 15.900 | 20.4133 | 121.94 | . Q | . | V | . | . |
| 15.917 | 20.5882 | 126.95 | . Q | . | V | . | . |
| 15.933 | 20.7699 | 131.96 | . Q | . | V | . | . |
| 15.950 | 20.9586 | 136.97 | . Q | . | V | . | . |
| 15.967 | 21.1542 | 141.98 | . Q | . | V | . | . |
| 15.983 | 21.3567 | 146.99 | . Q | . | V | . | . |
| 16.000 | 21.5660 | 152.00 | . Q | . | V | . | . |
| 16.017 | 21.8035 | 172.38 | . Q | . | V | . | . |
| 16.033 | 22.0902 | 208.13 | . Q | . | V | . | . |
| 16.050 | 22.4261 | 243.88 | . Q | . | V | . | . |
| 16.067 | 22.8113 | 279.64 | . Q | . | V | . | . |
| 16.083 | 23.2457 | 315.39 | . Q | . | V | . | . |
| 16.100 | 23.7293 | 351.14 | . Q | . | V | . | . |
| 16.117 | 24.2622 | 386.89 | . Q | . | V | . | . |
| 16.133 | 24.8444 | 422.64 | . Q | . | V | . | . |
| 16.150 | 25.4758 | 458.39 | . Q | . | V | . | . |
| 16.167 | 26.1510 | 490.21 | . Q | . | V | . | . |
| 16.183 | 26.7590 | 441.39 | . Q | . | V | . | . |
| 16.200 | 27.3064 | 397.42 | . Q | . | V | . | . |
| 16.217 | 27.7932 | 353.44 | . Q | . | V | . | . |
| 16.233 | 28.2194 | 309.46 | . Q | . | V | . | . |
| 16.250 | 28.5851 | 265.49 | . Q | . | V | . | . |
| 16.267 | 28.8902 | 221.51 | . Q | . | V | . | . |
| 16.283 | 29.1348 | 177.53 | . Q | . | V | . | . |
| 16.300 | 29.3187 | 133.56 | . Q | . | V | . | . |
| 16.317 | 29.4435 | 90.58 | . Q | . | V | . | . |
| 16.333 | 29.5472 | 75.31 | . Q | . | V | . | . |
| 16.350 | 29.6472 | 72.58 | . Q | . | V | . | . |
| 16.367 | 29.7434 | 69.86 | . Q | . | V | . | . |
| 16.383 | 29.8359 | 67.14 | . Q | . | V | . | . |
| 16.400 | 29.9246 | 64.41 | . Q | . | V | . | . |
| 16.417 | 30.0096 | 61.69 | . Q | . | V | . | . |
| 16.433 | 30.0908 | 58.97 | . Q | . | V | . | . |
| 16.450 | 30.1683 | 56.24 | . Q | . | V | . | . |
| 16.467 | 30.2420 | 53.52 | . Q | . | V | . | . |
| 16.483 | 30.3128 | 51.41 | . Q | . | V | . | . |
| 16.500 | 30.3823 | 50.44 | . Q | . | V | . | . |
| 16.517 | 30.4505 | 49.50 | . Q | . | V | . | . |
| 16.533 | 30.5174 | 48.56 | . Q | . | V | . | . |

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|--------|---------|-------|-----|---|---|---|----|---|
| 16.550 | 30.5830 | 47.62 | . Q | . | . | . | .V | . |
| 16.567 | 30.6472 | 46.68 | . Q | . | . | . | .V | . |
| 16.583 | 30.7102 | 45.74 | . Q | . | . | . | .V | . |
| 16.600 | 30.7719 | 44.79 | . Q | . | . | . | .V | . |
| 16.617 | 30.8323 | 43.85 | . Q | . | . | . | .V | . |
| 16.633 | 30.8915 | 42.94 | . Q | . | . | . | .V | . |
| 16.650 | 30.9497 | 42.28 | . Q | . | . | . | .V | . |
| 16.667 | 31.0071 | 41.67 | . Q | . | . | . | .V | . |
| 16.683 | 31.0637 | 41.06 | . Q | . | . | . | .V | . |
| 16.700 | 31.1194 | 40.44 | . Q | . | . | . | .V | . |
| 16.717 | 31.1743 | 39.83 | . Q | . | . | . | .V | . |
| 16.733 | 31.2283 | 39.22 | . Q | . | . | . | .V | . |
| 16.750 | 31.2815 | 38.61 | . Q | . | . | . | .V | . |
| 16.767 | 31.3338 | 38.00 | . Q | . | . | . | .V | . |
| 16.783 | 31.3853 | 37.39 | . Q | . | . | . | .V | . |
| 16.800 | 31.4361 | 36.88 | . Q | . | . | . | .V | . |
| 16.817 | 31.4863 | 36.46 | . Q | . | . | . | .V | . |
| 16.833 | 31.5359 | 36.03 | . Q | . | . | . | .V | . |
| 16.850 | 31.5850 | 35.61 | . Q | . | . | . | .V | . |
| 16.867 | 31.6335 | 35.19 | . Q | . | . | . | .V | . |
| 16.883 | 31.6814 | 34.77 | . Q | . | . | . | .V | . |
| 16.900 | 31.7287 | 34.35 | . Q | . | . | . | .V | . |
| 16.917 | 31.7754 | 33.93 | . Q | . | . | . | .V | . |
| 16.933 | 31.8216 | 33.51 | . Q | . | . | . | .V | . |
| 16.950 | 31.8672 | 33.11 | . Q | . | . | . | .V | . |
| 16.967 | 31.9123 | 32.79 | . Q | . | . | . | .V | . |
| 16.983 | 31.9571 | 32.48 | . Q | . | . | . | .V | . |
| 17.000 | 32.0014 | 32.16 | . 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% | 1021.0 |
| 10% | 360.0 |
| 20% | 145.0 |
| 30% | 90.0 |
| 40% | 75.0 |
| 50% | 60.0 |
| 60% | 50.0 |
| 70% | 40.0 |
| 80% | 25.0 |
| 90% | 15.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA E *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 2-YR EV MARCH 2019 CCHIUI *

FILE NAME: 4E02EVS.DAT
TIME/DATE OF STUDY: 15:02 03/13/2019

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 810.00 TO NODE 817.00 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) = 171.00
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.348
LOW LOSS FRACTION = 0.587
TIME OF CONCENTRATION (MIN.) = 10.86
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 2
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.13
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.28
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.37
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.62
6-HOUR POINT RAINFALL VALUE (INCHES) = 0.85
24-HOUR POINT RAINFALL VALUE (INCHES) = 1.44

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 8.13

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 12.39

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. | 25.1 | 50.3 | 75.4 | 100.5 |
|------------|-------------|---------|----|------|------|------|-------|
| 10.000 | 1.5357 | 2.63 | .Q | V | . | . | . |
| 10.017 | 1.5393 | 2.63 | .Q | V | . | . | . |
| 10.033 | 1.5429 | 2.64 | .Q | V | . | . | . |
| 10.050 | 1.5466 | 2.64 | .Q | V | . | . | . |
| 10.067 | 1.5502 | 2.64 | .Q | V | . | . | . |
| 10.083 | 1.5538 | 2.65 | .Q | V | . | . | . |
| 10.100 | 1.5575 | 2.65 | .Q | V | . | . | . |
| 10.117 | 1.5612 | 2.65 | .Q | V | . | . | . |
| 10.133 | 1.5648 | 2.66 | .Q | V | . | . | . |
| 10.150 | 1.5685 | 2.66 | .Q | V | . | . | . |
| 10.167 | 1.5721 | 2.66 | .Q | V | . | . | . |
| 10.183 | 1.5758 | 2.66 | .Q | V | . | . | . |
| 10.200 | 1.5795 | 2.67 | .Q | V | . | . | . |
| 10.217 | 1.5832 | 2.67 | .Q | V | . | . | . |
| 10.233 | 1.5868 | 2.68 | .Q | V | . | . | . |
| 10.250 | 1.5905 | 2.68 | .Q | V | . | . | . |
| 10.267 | 1.5943 | 2.69 | .Q | V | . | . | . |
| 10.283 | 1.5980 | 2.70 | .Q | V | . | . | . |
| 10.300 | 1.6017 | 2.70 | .Q | V | . | . | . |
| 10.317 | 1.6054 | 2.71 | .Q | V | . | . | . |
| 10.333 | 1.6092 | 2.72 | .Q | V | . | . | . |
| 10.350 | 1.6129 | 2.72 | .Q | V | . | . | . |
| 10.367 | 1.6167 | 2.73 | .Q | V | . | . | . |
| 10.383 | 1.6204 | 2.73 | .Q | V | . | . | . |
| 10.400 | 1.6242 | 2.74 | .Q | V | . | . | . |
| 10.417 | 1.6280 | 2.74 | .Q | V | . | . | . |
| 10.433 | 1.6318 | 2.75 | .Q | V | . | . | . |
| 10.450 | 1.6356 | 2.75 | .Q | V | . | . | . |
| 10.467 | 1.6394 | 2.75 | .Q | V | . | . | . |
| 10.483 | 1.6431 | 2.76 | .Q | V | . | . | . |
| 10.500 | 1.6470 | 2.76 | .Q | V | . | . | . |
| 10.517 | 1.6508 | 2.76 | .Q | V | . | . | . |
| 10.533 | 1.6546 | 2.77 | .Q | V | . | . | . |
| 10.550 | 1.6584 | 2.77 | .Q | V | . | . | . |
| 10.567 | 1.6622 | 2.77 | .Q | V | . | . | . |
| 10.583 | 1.6660 | 2.78 | .Q | V | . | . | . |
| 10.600 | 1.6699 | 2.79 | .Q | V | . | . | . |
| 10.617 | 1.6737 | 2.79 | .Q | V | . | . | . |
| 10.633 | 1.6776 | 2.80 | .Q | V | . | . | . |
| 10.650 | 1.6814 | 2.81 | .Q | V | . | . | . |
| 10.667 | 1.6853 | 2.81 | .Q | V | . | . | . |
| 10.683 | 1.6892 | 2.82 | .Q | V | . | . | . |
| 10.700 | 1.6931 | 2.83 | .Q | V | . | . | . |
| 10.717 | 1.6970 | 2.83 | .Q | V | . | . | . |
| 10.733 | 1.7009 | 2.84 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|---|---|---|---|
| 10.750 | 1.7048 | 2.85 | .Q | V | . | . | . |
| 10.767 | 1.7088 | 2.85 | .Q | V | . | . | . |
| 10.783 | 1.7127 | 2.86 | .Q | V | . | . | . |
| 10.800 | 1.7167 | 2.86 | .Q | V | . | . | . |
| 10.817 | 1.7206 | 2.87 | .Q | V | . | . | . |
| 10.833 | 1.7246 | 2.87 | .Q | V | . | . | . |
| 10.850 | 1.7285 | 2.87 | .Q | V | . | . | . |
| 10.867 | 1.7325 | 2.88 | .Q | V | . | . | . |
| 10.883 | 1.7364 | 2.88 | .Q | V | . | . | . |
| 10.900 | 1.7404 | 2.88 | .Q | V | . | . | . |
| 10.917 | 1.7444 | 2.89 | .Q | V | . | . | . |
| 10.933 | 1.7484 | 2.89 | .Q | V | . | . | . |
| 10.950 | 1.7524 | 2.90 | .Q | V | . | . | . |
| 10.967 | 1.7564 | 2.91 | .Q | V | . | . | . |
| 10.983 | 1.7604 | 2.91 | .Q | V | . | . | . |
| 11.000 | 1.7644 | 2.92 | .Q | V | . | . | . |
| 11.017 | 1.7684 | 2.93 | .Q | V | . | . | . |
| 11.033 | 1.7725 | 2.94 | .Q | V | . | . | . |
| 11.050 | 1.7765 | 2.95 | .Q | V | . | . | . |
| 11.067 | 1.7806 | 2.95 | .Q | V | . | . | . |
| 11.083 | 1.7847 | 2.96 | .Q | V | . | . | . |
| 11.100 | 1.7888 | 2.97 | .Q | V | . | . | . |
| 11.117 | 1.7929 | 2.98 | .Q | V | . | . | . |
| 11.133 | 1.7970 | 2.98 | .Q | V | . | . | . |
| 11.150 | 1.8011 | 2.99 | .Q | V | . | . | . |
| 11.167 | 1.8052 | 2.99 | .Q | V | . | . | . |
| 11.183 | 1.8093 | 2.99 | .Q | V | . | . | . |
| 11.200 | 1.8135 | 3.00 | .Q | V | . | . | . |
| 11.217 | 1.8176 | 3.00 | .Q | V | . | . | . |
| 11.233 | 1.8218 | 3.01 | .Q | V | . | . | . |
| 11.250 | 1.8259 | 3.01 | .Q | V | . | . | . |
| 11.267 | 1.8301 | 3.02 | .Q | V | . | . | . |
| 11.283 | 1.8342 | 3.02 | .Q | V | . | . | . |
| 11.300 | 1.8384 | 3.02 | .Q | V | . | . | . |
| 11.317 | 1.8426 | 3.03 | .Q | V | . | . | . |
| 11.333 | 1.8467 | 3.04 | .Q | V | . | . | . |
| 11.350 | 1.8509 | 3.05 | .Q | V | . | . | . |
| 11.367 | 1.8552 | 3.06 | .Q | V | . | . | . |
| 11.383 | 1.8594 | 3.07 | .Q | V | . | . | . |
| 11.400 | 1.8636 | 3.08 | .Q | V | . | . | . |
| 11.417 | 1.8679 | 3.09 | .Q | V | . | . | . |
| 11.433 | 1.8721 | 3.09 | .Q | V | . | . | . |
| 11.450 | 1.8764 | 3.10 | .Q | V | . | . | . |
| 11.467 | 1.8807 | 3.11 | .Q | V | . | . | . |
| 11.483 | 1.8850 | 3.12 | .Q | V | . | . | . |
| 11.500 | 1.8893 | 3.13 | .Q | V | . | . | . |
| 11.517 | 1.8936 | 3.13 | .Q | V | . | . | . |
| 11.533 | 1.8979 | 3.14 | .Q | V | . | . | . |
| 11.550 | 1.9023 | 3.14 | .Q | V | . | . | . |
| 11.567 | 1.9066 | 3.14 | .Q | V | . | . | . |
| 11.583 | 1.9109 | 3.15 | .Q | V | . | . | . |
| 11.600 | 1.9153 | 3.15 | .Q | V | . | . | . |
| 11.617 | 1.9196 | 3.16 | .Q | V | . | . | . |
| 11.633 | 1.9240 | 3.16 | .Q | V | . | . | . |
| 11.650 | 1.9283 | 3.17 | .Q | V | . | . | . |
| 11.667 | 1.9327 | 3.17 | .Q | V | . | . | . |
| 11.683 | 1.9371 | 3.18 | .Q | V | . | . | . |
| 11.700 | 1.9415 | 3.19 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|----|---|---|---|
| 11.717 | 1.9459 | 3.20 | .Q | V. | . | . | . |
| 11.733 | 1.9503 | 3.21 | .Q | V. | . | . | . |
| 11.750 | 1.9548 | 3.22 | .Q | V. | . | . | . |
| 11.767 | 1.9592 | 3.23 | .Q | V. | . | . | . |
| 11.783 | 1.9637 | 3.24 | .Q | V. | . | . | . |
| 11.800 | 1.9682 | 3.25 | .Q | V. | . | . | . |
| 11.817 | 1.9727 | 3.26 | .Q | V. | . | . | . |
| 11.833 | 1.9772 | 3.27 | .Q | V. | . | . | . |
| 11.850 | 1.9817 | 3.28 | .Q | V. | . | . | . |
| 11.867 | 1.9862 | 3.29 | .Q | V. | . | . | . |
| 11.883 | 1.9908 | 3.29 | .Q | V. | . | . | . |
| 11.900 | 1.9953 | 3.30 | .Q | V. | . | . | . |
| 11.917 | 1.9999 | 3.30 | .Q | V. | . | . | . |
| 11.933 | 2.0044 | 3.31 | .Q | V. | . | . | . |
| 11.950 | 2.0090 | 3.32 | .Q | V. | . | . | . |
| 11.967 | 2.0136 | 3.32 | .Q | V. | . | . | . |
| 11.983 | 2.0182 | 3.33 | .Q | V. | . | . | . |
| 12.000 | 2.0228 | 3.33 | .Q | V. | . | . | . |
| 12.017 | 2.0273 | 3.34 | .Q | V. | . | . | . |
| 12.033 | 2.0320 | 3.37 | .Q | V. | . | . | . |
| 12.050 | 2.0367 | 3.45 | .Q | V | . | . | . |
| 12.067 | 2.0416 | 3.52 | .Q | V | . | . | . |
| 12.083 | 2.0465 | 3.59 | .Q | V | . | . | . |
| 12.100 | 2.0516 | 3.67 | .Q | V | . | . | . |
| 12.117 | 2.0567 | 3.74 | .Q | V | . | . | . |
| 12.133 | 2.0620 | 3.82 | .Q | V | . | . | . |
| 12.150 | 2.0673 | 3.89 | .Q | V | . | . | . |
| 12.167 | 2.0728 | 3.96 | .Q | V | . | . | . |
| 12.183 | 2.0784 | 4.04 | .Q | V | . | . | . |
| 12.200 | 2.0840 | 4.11 | .Q | V | . | . | . |
| 12.217 | 2.0897 | 4.15 | .Q | V | . | . | . |
| 12.233 | 2.0955 | 4.15 | .Q | V | . | . | . |
| 12.250 | 2.1012 | 4.16 | .Q | V | . | . | . |
| 12.267 | 2.1069 | 4.17 | .Q | V | . | . | . |
| 12.283 | 2.1127 | 4.17 | .Q | V | . | . | . |
| 12.300 | 2.1184 | 4.18 | .Q | V | . | . | . |
| 12.317 | 2.1242 | 4.19 | .Q | V | . | . | . |
| 12.333 | 2.1300 | 4.19 | .Q | V | . | . | . |
| 12.350 | 2.1358 | 4.20 | .Q | V | . | . | . |
| 12.367 | 2.1416 | 4.21 | .Q | V | . | . | . |
| 12.383 | 2.1474 | 4.21 | .Q | V | . | . | . |
| 12.400 | 2.1532 | 4.22 | .Q | V | . | . | . |
| 12.417 | 2.1590 | 4.24 | .Q | V | . | . | . |
| 12.433 | 2.1649 | 4.25 | .Q | V | . | . | . |
| 12.450 | 2.1708 | 4.27 | .Q | V | . | . | . |
| 12.467 | 2.1766 | 4.28 | .Q | V | . | . | . |
| 12.483 | 2.1826 | 4.29 | .Q | V | . | . | . |
| 12.500 | 2.1885 | 4.31 | .Q | V | . | . | . |
| 12.517 | 2.1945 | 4.32 | .Q | V | . | . | . |
| 12.533 | 2.2004 | 4.34 | .Q | V | . | . | . |
| 12.550 | 2.2064 | 4.35 | .Q | V | . | . | . |
| 12.567 | 2.2124 | 4.37 | .Q | V | . | . | . |
| 12.583 | 2.2185 | 4.37 | .Q | V | . | . | . |
| 12.600 | 2.2245 | 4.38 | .Q | V | . | . | . |
| 12.617 | 2.2305 | 4.39 | .Q | V | . | . | . |
| 12.633 | 2.2366 | 4.40 | .Q | .V | . | . | . |
| 12.650 | 2.2427 | 4.40 | .Q | .V | . | . | . |
| 12.667 | 2.2487 | 4.41 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|----|---|---|---|
| 12.683 | 2.2548 | 4.42 | .Q | .V | . | . | . |
| 12.700 | 2.2609 | 4.43 | .Q | .V | . | . | . |
| 12.717 | 2.2670 | 4.44 | .Q | .V | . | . | . |
| 12.733 | 2.2732 | 4.44 | .Q | .V | . | . | . |
| 12.750 | 2.2793 | 4.45 | .Q | .V | . | . | . |
| 12.767 | 2.2854 | 4.47 | .Q | .V | . | . | . |
| 12.783 | 2.2916 | 4.48 | .Q | .V | . | . | . |
| 12.800 | 2.2978 | 4.50 | .Q | .V | . | . | . |
| 12.817 | 2.3040 | 4.52 | .Q | .V | . | . | . |
| 12.833 | 2.3103 | 4.53 | .Q | .V | . | . | . |
| 12.850 | 2.3166 | 4.55 | .Q | .V | . | . | . |
| 12.867 | 2.3228 | 4.57 | .Q | .V | . | . | . |
| 12.883 | 2.3292 | 4.58 | .Q | .V | . | . | . |
| 12.900 | 2.3355 | 4.60 | .Q | .V | . | . | . |
| 12.917 | 2.3418 | 4.62 | .Q | .V | . | . | . |
| 12.933 | 2.3482 | 4.63 | .Q | .V | . | . | . |
| 12.950 | 2.3546 | 4.64 | .Q | .V | . | . | . |
| 12.967 | 2.3610 | 4.65 | .Q | .V | . | . | . |
| 12.983 | 2.3674 | 4.66 | .Q | .V | . | . | . |
| 13.000 | 2.3739 | 4.67 | .Q | .V | . | . | . |
| 13.017 | 2.3803 | 4.68 | .Q | .V | . | . | . |
| 13.033 | 2.3868 | 4.69 | .Q | .V | . | . | . |
| 13.050 | 2.3932 | 4.69 | .Q | .V | . | . | . |
| 13.067 | 2.3997 | 4.70 | .Q | .V | . | . | . |
| 13.083 | 2.4062 | 4.71 | .Q | .V | . | . | . |
| 13.100 | 2.4127 | 4.72 | .Q | .V | . | . | . |
| 13.117 | 2.4192 | 4.73 | .Q | .V | . | . | . |
| 13.133 | 2.4258 | 4.75 | .Q | .V | . | . | . |
| 13.150 | 2.4324 | 4.77 | .Q | .V | . | . | . |
| 13.167 | 2.4390 | 4.79 | .Q | .V | . | . | . |
| 13.183 | 2.4456 | 4.81 | .Q | .V | . | . | . |
| 13.200 | 2.4522 | 4.83 | .Q | .V | . | . | . |
| 13.217 | 2.4589 | 4.85 | .Q | .V | . | . | . |
| 13.233 | 2.4656 | 4.87 | .Q | .V | . | . | . |
| 13.250 | 2.4724 | 4.89 | .Q | .V | . | . | . |
| 13.267 | 2.4791 | 4.91 | .Q | .V | . | . | . |
| 13.283 | 2.4859 | 4.93 | .Q | .V | . | . | . |
| 13.300 | 2.4928 | 4.95 | .Q | .V | . | . | . |
| 13.317 | 2.4996 | 4.96 | .Q | .V | . | . | . |
| 13.333 | 2.5064 | 4.97 | .Q | .V | . | . | . |
| 13.350 | 2.5133 | 4.98 | .Q | .V | . | . | . |
| 13.367 | 2.5202 | 4.99 | .Q | .V | . | . | . |
| 13.383 | 2.5271 | 5.00 | .Q | .V | . | . | . |
| 13.400 | 2.5340 | 5.01 | .Q | .V | . | . | . |
| 13.417 | 2.5409 | 5.02 | .Q | .V | . | . | . |
| 13.433 | 2.5478 | 5.04 | .Q | .V | . | . | . |
| 13.450 | 2.5548 | 5.05 | .Q | .V | . | . | . |
| 13.467 | 2.5617 | 5.06 | .Q | .V | . | . | . |
| 13.483 | 2.5687 | 5.08 | .Q | .V | . | . | . |
| 13.500 | 2.5758 | 5.10 | .Q | .V | . | . | . |
| 13.517 | 2.5828 | 5.12 | .Q | .V | . | . | . |
| 13.533 | 2.5899 | 5.15 | .Q | .V | . | . | . |
| 13.550 | 2.5970 | 5.17 | .Q | .V | . | . | . |
| 13.567 | 2.6042 | 5.20 | .Q | .V | . | . | . |
| 13.583 | 2.6114 | 5.22 | .Q | .V | . | . | . |
| 13.600 | 2.6186 | 5.25 | .Q | .V | . | . | . |
| 13.617 | 2.6259 | 5.27 | .Q | .V | . | . | . |
| 13.633 | 2.6332 | 5.29 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|--------|------|-----|-----|---|---|---|
| 13.650 | 2.6405 | 5.32 | . Q | . V | . | . | . |
| 13.667 | 2.6478 | 5.34 | . Q | . V | . | . | . |
| 13.683 | 2.6552 | 5.35 | . Q | . V | . | . | . |
| 13.700 | 2.6626 | 5.36 | . Q | . V | . | . | . |
| 13.717 | 2.6700 | 5.38 | . Q | . V | . | . | . |
| 13.733 | 2.6774 | 5.39 | . Q | . V | . | . | . |
| 13.750 | 2.6849 | 5.40 | . Q | . V | . | . | . |
| 13.767 | 2.6923 | 5.42 | . Q | . V | . | . | . |
| 13.783 | 2.6998 | 5.43 | . Q | . V | . | . | . |
| 13.800 | 2.7073 | 5.44 | . Q | . V | . | . | . |
| 13.817 | 2.7148 | 5.46 | . Q | . V | . | . | . |
| 13.833 | 2.7223 | 5.47 | . Q | . V | . | . | . |
| 13.850 | 2.7299 | 5.50 | . Q | . V | . | . | . |
| 13.867 | 2.7375 | 5.53 | . Q | . V | . | . | . |
| 13.883 | 2.7452 | 5.56 | . Q | . V | . | . | . |
| 13.900 | 2.7529 | 5.59 | . Q | . V | . | . | . |
| 13.917 | 2.7606 | 5.62 | . Q | . V | . | . | . |
| 13.933 | 2.7684 | 5.65 | . Q | . V | . | . | . |
| 13.950 | 2.7762 | 5.68 | . Q | . V | . | . | . |
| 13.967 | 2.7841 | 5.71 | . Q | . V | . | . | . |
| 13.983 | 2.7920 | 5.74 | . Q | . V | . | . | . |
| 14.000 | 2.8000 | 5.77 | . Q | . V | . | . | . |
| 14.017 | 2.8080 | 5.80 | . Q | . V | . | . | . |
| 14.033 | 2.8160 | 5.83 | . Q | . V | . | . | . |
| 14.050 | 2.8241 | 5.86 | . Q | . V | . | . | . |
| 14.067 | 2.8322 | 5.89 | . Q | . V | . | . | . |
| 14.083 | 2.8403 | 5.92 | . Q | . V | . | . | . |
| 14.100 | 2.8485 | 5.94 | . Q | . V | . | . | . |
| 14.117 | 2.8567 | 5.97 | . Q | . V | . | . | . |
| 14.133 | 2.8650 | 6.00 | . Q | . V | . | . | . |
| 14.150 | 2.8733 | 6.03 | . Q | . V | . | . | . |
| 14.167 | 2.8816 | 6.05 | . Q | . V | . | . | . |
| 14.183 | 2.8900 | 6.08 | . Q | . V | . | . | . |
| 14.200 | 2.8984 | 6.11 | . Q | . V | . | . | . |
| 14.217 | 2.9069 | 6.16 | . Q | . V | . | . | . |
| 14.233 | 2.9155 | 6.21 | . Q | . V | . | . | . |
| 14.250 | 2.9241 | 6.25 | . Q | . V | . | . | . |
| 14.267 | 2.9328 | 6.30 | . Q | . V | . | . | . |
| 14.283 | 2.9415 | 6.35 | . Q | . V | . | . | . |
| 14.300 | 2.9503 | 6.40 | . Q | . V | . | . | . |
| 14.317 | 2.9592 | 6.45 | . Q | . V | . | . | . |
| 14.333 | 2.9681 | 6.49 | . Q | . V | . | . | . |
| 14.350 | 2.9772 | 6.54 | . Q | . V | . | . | . |
| 14.367 | 2.9862 | 6.59 | . Q | . V | . | . | . |
| 14.383 | 2.9954 | 6.63 | . Q | . V | . | . | . |
| 14.400 | 3.0045 | 6.66 | . Q | . V | . | . | . |
| 14.417 | 3.0137 | 6.68 | . Q | . V | . | . | . |
| 14.433 | 3.0230 | 6.70 | . Q | . V | . | . | . |
| 14.450 | 3.0322 | 6.73 | . Q | . V | . | . | . |
| 14.467 | 3.0415 | 6.75 | . Q | . V | . | . | . |
| 14.483 | 3.0509 | 6.77 | . Q | . V | . | . | . |
| 14.500 | 3.0602 | 6.80 | . Q | . V | . | . | . |
| 14.517 | 3.0696 | 6.82 | . Q | . V | . | . | . |
| 14.533 | 3.0791 | 6.84 | . Q | . V | . | . | . |
| 14.550 | 3.0885 | 6.87 | . Q | . V | . | . | . |
| 14.567 | 3.0980 | 6.90 | . Q | . V | . | . | . |
| 14.583 | 3.1076 | 6.96 | . Q | . V | . | . | . |
| 14.600 | 3.1173 | 7.02 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|--------|-------|-----|-----|---|---|---|
| 14.617 | 3.1270 | 7.07 | . Q | . V | . | . | . |
| 14.633 | 3.1368 | 7.13 | . Q | . V | . | . | . |
| 14.650 | 3.1467 | 7.19 | . Q | . V | . | . | . |
| 14.667 | 3.1567 | 7.24 | . Q | . V | . | . | . |
| 14.683 | 3.1668 | 7.30 | . Q | . V | . | . | . |
| 14.700 | 3.1769 | 7.35 | . Q | . V | . | . | . |
| 14.717 | 3.1871 | 7.41 | . Q | . V | . | . | . |
| 14.733 | 3.1974 | 7.47 | . Q | . V | . | . | . |
| 14.750 | 3.2077 | 7.51 | . Q | . V | . | . | . |
| 14.767 | 3.2181 | 7.55 | . Q | . V | . | . | . |
| 14.783 | 3.2286 | 7.58 | . Q | . V | . | . | . |
| 14.800 | 3.2391 | 7.61 | . Q | . V | . | . | . |
| 14.817 | 3.2496 | 7.65 | . Q | . V | . | . | . |
| 14.833 | 3.2602 | 7.68 | . Q | . V | . | . | . |
| 14.850 | 3.2708 | 7.72 | . Q | . V | . | . | . |
| 14.867 | 3.2815 | 7.75 | . Q | . V | . | . | . |
| 14.883 | 3.2922 | 7.78 | . Q | . V | . | . | . |
| 14.900 | 3.3030 | 7.82 | . Q | . V | . | . | . |
| 14.917 | 3.3138 | 7.85 | . Q | . V | . | . | . |
| 14.933 | 3.3247 | 7.92 | . Q | . V | . | . | . |
| 14.950 | 3.3357 | 8.01 | . Q | . V | . | . | . |
| 14.967 | 3.3469 | 8.09 | . Q | . V | . | . | . |
| 14.983 | 3.3581 | 8.18 | . Q | . V | . | . | . |
| 15.000 | 3.3695 | 8.27 | . Q | . V | . | . | . |
| 15.017 | 3.3810 | 8.35 | . Q | . V | . | . | . |
| 15.033 | 3.3927 | 8.44 | . Q | . V | . | . | . |
| 15.050 | 3.4044 | 8.52 | . Q | . V | . | . | . |
| 15.067 | 3.4162 | 8.61 | . Q | . V | . | . | . |
| 15.083 | 3.4282 | 8.70 | . Q | . V | . | . | . |
| 15.100 | 3.4403 | 8.78 | . Q | . V | . | . | . |
| 15.117 | 3.4525 | 8.84 | . Q | . V | . | . | . |
| 15.133 | 3.4648 | 8.90 | . Q | . V | . | . | . |
| 15.150 | 3.4771 | 8.95 | . Q | . V | . | . | . |
| 15.167 | 3.4895 | 9.01 | . Q | . V | . | . | . |
| 15.183 | 3.5020 | 9.07 | . Q | . V | . | . | . |
| 15.200 | 3.5146 | 9.12 | . Q | . V | . | . | . |
| 15.217 | 3.5272 | 9.18 | . Q | . V | . | . | . |
| 15.233 | 3.5399 | 9.23 | . Q | . V | . | . | . |
| 15.250 | 3.5527 | 9.29 | . Q | . V | . | . | . |
| 15.267 | 3.5656 | 9.34 | . Q | . V | . | . | . |
| 15.283 | 3.5785 | 9.40 | . Q | . V | . | . | . |
| 15.300 | 3.5916 | 9.48 | . Q | . V | . | . | . |
| 15.317 | 3.6047 | 9.55 | . Q | . V | . | . | . |
| 15.333 | 3.6180 | 9.63 | . Q | . V | . | . | . |
| 15.350 | 3.6314 | 9.71 | . Q | . V | . | . | . |
| 15.367 | 3.6449 | 9.79 | . Q | . V | . | . | . |
| 15.383 | 3.6584 | 9.86 | . Q | . V | . | . | . |
| 15.400 | 3.6721 | 9.94 | . Q | . V | . | . | . |
| 15.417 | 3.6859 | 10.02 | . Q | . V | . | . | . |
| 15.433 | 3.6999 | 10.10 | . Q | . V | . | . | . |
| 15.450 | 3.7139 | 10.18 | . Q | . V | . | . | . |
| 15.467 | 3.7280 | 10.25 | . Q | . V | . | . | . |
| 15.483 | 3.7422 | 10.29 | . Q | . V | . | . | . |
| 15.500 | 3.7564 | 10.34 | . Q | . V | . | . | . |
| 15.517 | 3.7707 | 10.38 | . Q | . V | . | . | . |
| 15.533 | 3.7851 | 10.42 | . Q | . V | . | . | . |
| 15.550 | 3.7995 | 10.46 | . Q | . V | . | . | . |
| 15.567 | 3.8139 | 10.51 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|--------|--------|---|---|---|-----|----|---|---|
| 15.583 | 3.8285 | 10.55 | . | Q | . | V | . | . | . |
| 15.600 | 3.8431 | 10.59 | . | Q | . | V | . | . | . |
| 15.617 | 3.8577 | 10.64 | . | Q | . | V | . | . | . |
| 15.633 | 3.8724 | 10.68 | . | Q | . | V | . | . | . |
| 15.650 | 3.8873 | 10.84 | . | Q | . | V | . | . | . |
| 15.667 | 3.9029 | 11.31 | . | Q | . | V | . | . | . |
| 15.683 | 3.9192 | 11.80 | . | Q | . | V | . | . | . |
| 15.700 | 3.9361 | 12.28 | . | Q | . | V | . | . | . |
| 15.717 | 3.9537 | 12.77 | . | Q | . | V | . | . | . |
| 15.733 | 3.9720 | 13.26 | . | Q | . | V | . | . | . |
| 15.750 | 3.9909 | 13.75 | . | Q | . | V | . | . | . |
| 15.767 | 4.0105 | 14.24 | . | Q | . | V | . | . | . |
| 15.783 | 4.0308 | 14.73 | . | Q | . | V | . | . | . |
| 15.800 | 4.0517 | 15.22 | . | Q | . | V | . | . | . |
| 15.817 | 4.0734 | 15.70 | . | Q | . | V | . | . | . |
| 15.833 | 4.0957 | 16.21 | . | Q | . | V | . | . | . |
| 15.850 | 4.1188 | 16.76 | . | Q | . | V | . | . | . |
| 15.867 | 4.1427 | 17.31 | . | Q | . | V | . | . | . |
| 15.883 | 4.1673 | 17.86 | . | Q | . | V | . | . | . |
| 15.900 | 4.1926 | 18.41 | . | Q | . | V | . | . | . |
| 15.917 | 4.2187 | 18.96 | . | Q | . | V | . | . | . |
| 15.933 | 4.2456 | 19.51 | . | Q | . | V | . | . | . |
| 15.950 | 4.2733 | 20.07 | . | Q | . | .V | . | . | . |
| 15.967 | 4.3017 | 20.62 | . | Q | . | .V | . | . | . |
| 15.983 | 4.3308 | 21.17 | . | Q | . | .V | . | . | . |
| 16.000 | 4.3607 | 21.72 | . | Q | . | .V | . | . | . |
| 16.017 | 4.3960 | 25.61 | . | Q | Q | .V | . | . | . |
| 16.033 | 4.4412 | 32.84 | . | . | Q | .V | . | . | . |
| 16.050 | 4.4964 | 40.07 | . | . | Q | .V | . | . | . |
| 16.067 | 4.5616 | 47.30 | . | . | Q | .V | . | . | . |
| 16.083 | 4.6367 | 54.53 | . | . | . | .QV | . | . | . |
| 16.100 | 4.7218 | 61.76 | . | . | . | VQ | . | . | . |
| 16.117 | 4.8168 | 69.00 | . | . | . | V | Q | . | . |
| 16.133 | 4.9218 | 76.23 | . | . | . | V | Q | . | . |
| 16.150 | 5.0367 | 83.46 | . | . | . | V | . | Q | . |
| 16.167 | 5.1617 | 90.69 | . | . | . | V | . | Q | . |
| 16.183 | 5.3001 | 100.52 | . | . | . | V | . | Q | . |
| 16.200 | 5.4314 | 95.33 | . | . | . | V | . | Q | . |
| 16.217 | 5.5516 | 87.23 | . | . | . | V | . | Q | . |
| 16.233 | 5.6606 | 79.12 | . | . | . | V | .Q | . | . |
| 16.250 | 5.7584 | 71.01 | . | . | . | . | Q | . | . |
| 16.267 | 5.8450 | 62.90 | . | . | . | Q | V | . | . |
| 16.283 | 5.9205 | 54.79 | . | . | . | Q | V | . | . |
| 16.300 | 5.9848 | 46.68 | . | . | Q | . | V | . | . |
| 16.317 | 6.0379 | 38.57 | . | . | Q | . | V | . | . |
| 16.333 | 6.0799 | 30.47 | . | . | Q | . | V | . | . |
| 16.350 | 6.1107 | 22.36 | . | Q | . | . | V | . | . |
| 16.367 | 6.1307 | 14.56 | . | Q | . | . | V | . | . |
| 16.383 | 6.1477 | 12.30 | . | Q | . | . | V | . | . |
| 16.400 | 6.1643 | 12.08 | . | Q | . | . | V | . | . |
| 16.417 | 6.1807 | 11.87 | . | Q | . | . | V | . | . |
| 16.433 | 6.1967 | 11.66 | . | Q | . | . | V | . | . |
| 16.450 | 6.2125 | 11.44 | . | Q | . | . | V | . | . |
| 16.467 | 6.2280 | 11.23 | . | Q | . | . | V | . | . |
| 16.483 | 6.2431 | 11.02 | . | Q | . | . | V | . | . |
| 16.500 | 6.2580 | 10.80 | . | Q | . | . | V | . | . |
| 16.517 | 6.2726 | 10.59 | . | Q | . | . | V | . | . |
| 16.533 | 6.2869 | 10.38 | . | Q | . | . | V | . | . |

| | | | | | | | | | |
|--------|--------|-------|---|---|---|---|---|----|---|
| 16.550 | 6.3009 | 10.17 | . | Q | . | . | . | .V | . |
| 16.567 | 6.3147 | 9.99 | . | Q | . | . | . | .V | . |
| 16.583 | 6.3282 | 9.82 | . | Q | . | . | . | .V | . |
| 16.600 | 6.3415 | 9.65 | . | Q | . | . | . | .V | . |
| 16.617 | 6.3545 | 9.48 | . | Q | . | . | . | .V | . |
| 16.633 | 6.3673 | 9.31 | . | Q | . | . | . | .V | . |
| 16.650 | 6.3799 | 9.14 | . | Q | . | . | . | .V | . |
| 16.667 | 6.3923 | 8.97 | . | Q | . | . | . | .V | . |
| 16.683 | 6.4044 | 8.80 | . | Q | . | . | . | .V | . |
| 16.700 | 6.4163 | 8.62 | . | Q | . | . | . | .V | . |
| 16.717 | 6.4279 | 8.45 | . | Q | . | . | . | .V | . |
| 16.733 | 6.4393 | 8.29 | . | Q | . | . | . | .V | . |
| 16.750 | 6.4506 | 8.18 | . | Q | . | . | . | .V | . |
| 16.767 | 6.4617 | 8.08 | . | Q | . | . | . | .V | . |
| 16.783 | 6.4727 | 7.98 | . | Q | . | . | . | .V | . |
| 16.800 | 6.4836 | 7.87 | . | Q | . | . | . | .V | . |
| 16.817 | 6.4943 | 7.77 | . | Q | . | . | . | .V | . |
| 16.833 | 6.5048 | 7.67 | . | Q | . | . | . | .V | . |
| 16.850 | 6.5153 | 7.56 | . | Q | . | . | . | .V | . |
| 16.867 | 6.5255 | 7.46 | . | Q | . | . | . | .V | . |
| 16.883 | 6.5357 | 7.36 | . | Q | . | . | . | .V | . |
| 16.900 | 6.5457 | 7.25 | . | Q | . | . | . | .V | . |
| 16.917 | 6.5555 | 7.16 | . | Q | . | . | . | .V | . |
| 16.933 | 6.5653 | 7.08 | . | Q | . | . | . | .V | . |
| 16.950 | 6.5749 | 7.01 | . | Q | . | . | . | .V | . |
| 16.967 | 6.5845 | 6.94 | . | Q | . | . | . | .V | . |
| 16.983 | 6.5940 | 6.87 | . | Q | . | . | . | .V | . |
| 17.000 | 6.6033 | 6.80 | . | 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% | 1021.0 |
| 10% | 340.0 |
| 20% | 120.0 |
| 30% | 95.0 |
| 40% | 75.0 |
| 50% | 65.0 |
| 60% | 55.0 |
| 70% | 40.0 |
| 80% | 25.0 |
| 90% | 15.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA E *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 5-YR EV MARCH 2019 CCHIUI *

FILE NAME: 4E05EVS.DAT
TIME/DATE OF STUDY: 14:59 03/13/2019

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 810.00 TO NODE 817.00 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) = 171.00
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.290
LOW LOSS FRACTION = 0.519
TIME OF CONCENTRATION (MIN.) = 10.33
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.18
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.41
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.55
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.92
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.27
24-HOUR POINT RAINFALL VALUE (INCHES) = 2.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 14.02

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 16.19

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. | 45.0 | 90.0 | 135.0 | 179.9 |
|------------|-------------|---------|----|------|------|-------|-------|
| 10.000 | 2.5893 | 4.43 | Q | V | . | . | . |
| 10.017 | 2.5954 | 4.43 | Q | V | . | . | . |
| 10.033 | 2.6015 | 4.44 | Q | V | . | . | . |
| 10.050 | 2.6076 | 4.44 | Q | V | . | . | . |
| 10.067 | 2.6138 | 4.45 | Q | V | . | . | . |
| 10.083 | 2.6199 | 4.45 | Q | V | . | . | . |
| 10.100 | 2.6260 | 4.46 | Q | V | . | . | . |
| 10.117 | 2.6322 | 4.46 | Q | V | . | . | . |
| 10.133 | 2.6383 | 4.47 | Q | V | . | . | . |
| 10.150 | 2.6445 | 4.47 | Q | V | . | . | . |
| 10.167 | 2.6507 | 4.48 | Q | V | . | . | . |
| 10.183 | 2.6568 | 4.49 | Q | V | . | . | . |
| 10.200 | 2.6630 | 4.50 | .Q | V | . | . | . |
| 10.217 | 2.6693 | 4.51 | .Q | V | . | . | . |
| 10.233 | 2.6755 | 4.52 | .Q | V | . | . | . |
| 10.250 | 2.6817 | 4.53 | .Q | V | . | . | . |
| 10.267 | 2.6880 | 4.55 | .Q | V | . | . | . |
| 10.283 | 2.6943 | 4.56 | .Q | V | . | . | . |
| 10.300 | 2.7006 | 4.57 | .Q | V | . | . | . |
| 10.317 | 2.7069 | 4.58 | .Q | V | . | . | . |
| 10.333 | 2.7132 | 4.59 | .Q | V | . | . | . |
| 10.350 | 2.7195 | 4.59 | .Q | V | . | . | . |
| 10.367 | 2.7258 | 4.60 | .Q | V | . | . | . |
| 10.383 | 2.7322 | 4.60 | .Q | V | . | . | . |
| 10.400 | 2.7385 | 4.61 | .Q | V | . | . | . |
| 10.417 | 2.7449 | 4.61 | .Q | V | . | . | . |
| 10.433 | 2.7513 | 4.62 | .Q | V | . | . | . |
| 10.450 | 2.7576 | 4.63 | .Q | V | . | . | . |
| 10.467 | 2.7640 | 4.63 | .Q | V | . | . | . |
| 10.483 | 2.7704 | 4.64 | .Q | V | . | . | . |
| 10.500 | 2.7768 | 4.64 | .Q | V | . | . | . |
| 10.517 | 2.7832 | 4.65 | .Q | V | . | . | . |
| 10.533 | 2.7896 | 4.67 | .Q | V | . | . | . |
| 10.550 | 2.7961 | 4.68 | .Q | V | . | . | . |
| 10.567 | 2.8025 | 4.69 | .Q | V | . | . | . |
| 10.583 | 2.8090 | 4.70 | .Q | V | . | . | . |
| 10.600 | 2.8155 | 4.71 | .Q | V | . | . | . |
| 10.617 | 2.8220 | 4.73 | .Q | V | . | . | . |
| 10.633 | 2.8285 | 4.74 | .Q | V | . | . | . |
| 10.650 | 2.8351 | 4.75 | .Q | V | . | . | . |
| 10.667 | 2.8416 | 4.76 | .Q | V | . | . | . |
| 10.683 | 2.8482 | 4.77 | .Q | V | . | . | . |
| 10.700 | 2.8548 | 4.78 | .Q | V | . | . | . |
| 10.717 | 2.8614 | 4.78 | .Q | V | . | . | . |
| 10.733 | 2.8680 | 4.79 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|---|---|---|---|
| 10.750 | 2.8746 | 4.79 | .Q | V | . | . | . |
| 10.767 | 2.8812 | 4.80 | .Q | V | . | . | . |
| 10.783 | 2.8878 | 4.81 | .Q | V | . | . | . |
| 10.800 | 2.8944 | 4.81 | .Q | V | . | . | . |
| 10.817 | 2.9011 | 4.82 | .Q | V | . | . | . |
| 10.833 | 2.9077 | 4.83 | .Q | V | . | . | . |
| 10.850 | 2.9144 | 4.83 | .Q | V | . | . | . |
| 10.867 | 2.9210 | 4.85 | .Q | V | . | . | . |
| 10.883 | 2.9277 | 4.86 | .Q | V | . | . | . |
| 10.900 | 2.9345 | 4.87 | .Q | V | . | . | . |
| 10.917 | 2.9412 | 4.89 | .Q | V | . | . | . |
| 10.933 | 2.9479 | 4.90 | .Q | V | . | . | . |
| 10.950 | 2.9547 | 4.91 | .Q | V | . | . | . |
| 10.967 | 2.9615 | 4.93 | .Q | V | . | . | . |
| 10.983 | 2.9683 | 4.94 | .Q | V | . | . | . |
| 11.000 | 2.9751 | 4.95 | .Q | V | . | . | . |
| 11.017 | 2.9820 | 4.96 | .Q | V | . | . | . |
| 11.033 | 2.9888 | 4.97 | .Q | V | . | . | . |
| 11.050 | 2.9957 | 4.98 | .Q | V | . | . | . |
| 11.067 | 3.0025 | 4.99 | .Q | V | . | . | . |
| 11.083 | 3.0094 | 4.99 | .Q | V | . | . | . |
| 11.100 | 3.0163 | 5.00 | .Q | V | . | . | . |
| 11.117 | 3.0232 | 5.01 | .Q | V | . | . | . |
| 11.133 | 3.0301 | 5.01 | .Q | V | . | . | . |
| 11.150 | 3.0370 | 5.02 | .Q | V | . | . | . |
| 11.167 | 3.0439 | 5.03 | .Q | V | . | . | . |
| 11.183 | 3.0509 | 5.03 | .Q | V | . | . | . |
| 11.200 | 3.0578 | 5.05 | .Q | V | . | . | . |
| 11.217 | 3.0648 | 5.06 | .Q | V | . | . | . |
| 11.233 | 3.0718 | 5.08 | .Q | V | . | . | . |
| 11.250 | 3.0788 | 5.09 | .Q | V | . | . | . |
| 11.267 | 3.0858 | 5.11 | .Q | V | . | . | . |
| 11.283 | 3.0929 | 5.12 | .Q | V | . | . | . |
| 11.300 | 3.1000 | 5.14 | .Q | V | . | . | . |
| 11.317 | 3.1070 | 5.15 | .Q | V | . | . | . |
| 11.333 | 3.1142 | 5.16 | .Q | V | . | . | . |
| 11.350 | 3.1213 | 5.18 | .Q | V | . | . | . |
| 11.367 | 3.1284 | 5.19 | .Q | V | . | . | . |
| 11.383 | 3.1356 | 5.20 | .Q | V | . | . | . |
| 11.400 | 3.1428 | 5.21 | .Q | V | . | . | . |
| 11.417 | 3.1500 | 5.21 | .Q | V | . | . | . |
| 11.433 | 3.1572 | 5.22 | .Q | V | . | . | . |
| 11.450 | 3.1644 | 5.23 | .Q | V | . | . | . |
| 11.467 | 3.1716 | 5.24 | .Q | V | . | . | . |
| 11.483 | 3.1788 | 5.25 | .Q | V | . | . | . |
| 11.500 | 3.1860 | 5.25 | .Q | V | . | . | . |
| 11.517 | 3.1933 | 5.26 | .Q | V | . | . | . |
| 11.533 | 3.2005 | 5.27 | .Q | V | . | . | . |
| 11.550 | 3.2078 | 5.29 | .Q | V | . | . | . |
| 11.567 | 3.2151 | 5.30 | .Q | V | . | . | . |
| 11.583 | 3.2224 | 5.32 | .Q | V | . | . | . |
| 11.600 | 3.2298 | 5.34 | .Q | V | . | . | . |
| 11.617 | 3.2372 | 5.35 | .Q | V | . | . | . |
| 11.633 | 3.2446 | 5.37 | .Q | V | . | . | . |
| 11.650 | 3.2520 | 5.39 | .Q | V | . | . | . |
| 11.667 | 3.2594 | 5.40 | .Q | V | . | . | . |
| 11.683 | 3.2669 | 5.42 | .Q | V | . | . | . |
| 11.700 | 3.2744 | 5.43 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|----|---|---|---|
| 11.717 | 3.2819 | 5.45 | .Q | V. | . | . | . |
| 11.733 | 3.2894 | 5.45 | .Q | V. | . | . | . |
| 11.750 | 3.2969 | 5.46 | .Q | V. | . | . | . |
| 11.767 | 3.3045 | 5.47 | .Q | V. | . | . | . |
| 11.783 | 3.3120 | 5.48 | .Q | V. | . | . | . |
| 11.800 | 3.3196 | 5.49 | .Q | V. | . | . | . |
| 11.817 | 3.3271 | 5.50 | .Q | V. | . | . | . |
| 11.833 | 3.3347 | 5.51 | .Q | V. | . | . | . |
| 11.850 | 3.3423 | 5.52 | .Q | V. | . | . | . |
| 11.867 | 3.3499 | 5.53 | .Q | V. | . | . | . |
| 11.883 | 3.3576 | 5.54 | .Q | V. | . | . | . |
| 11.900 | 3.3652 | 5.56 | .Q | V. | . | . | . |
| 11.917 | 3.3729 | 5.58 | .Q | V. | . | . | . |
| 11.933 | 3.3806 | 5.59 | .Q | V. | . | . | . |
| 11.950 | 3.3883 | 5.61 | .Q | V. | . | . | . |
| 11.967 | 3.3961 | 5.63 | .Q | V. | . | . | . |
| 11.983 | 3.4039 | 5.65 | .Q | V. | . | . | . |
| 12.000 | 3.4117 | 5.67 | .Q | V. | . | . | . |
| 12.017 | 3.4195 | 5.69 | .Q | V. | . | . | . |
| 12.033 | 3.4274 | 5.71 | .Q | V. | . | . | . |
| 12.050 | 3.4353 | 5.75 | .Q | V. | . | . | . |
| 12.067 | 3.4434 | 5.87 | .Q | V. | . | . | . |
| 12.083 | 3.4516 | 6.00 | .Q | V. | . | . | . |
| 12.100 | 3.4601 | 6.14 | .Q | V. | . | . | . |
| 12.117 | 3.4687 | 6.27 | .Q | V. | . | . | . |
| 12.133 | 3.4776 | 6.40 | .Q | V. | . | . | . |
| 12.150 | 3.4866 | 6.54 | .Q | V. | . | . | . |
| 12.167 | 3.4958 | 6.67 | .Q | V. | . | . | . |
| 12.183 | 3.5051 | 6.80 | .Q | V | . | . | . |
| 12.200 | 3.5147 | 6.94 | .Q | V | . | . | . |
| 12.217 | 3.5244 | 7.07 | .Q | V | . | . | . |
| 12.233 | 3.5342 | 7.14 | .Q | V | . | . | . |
| 12.250 | 3.5441 | 7.18 | .Q | V | . | . | . |
| 12.267 | 3.5541 | 7.23 | .Q | V | . | . | . |
| 12.283 | 3.5641 | 7.27 | .Q | V | . | . | . |
| 12.300 | 3.5742 | 7.32 | .Q | V | . | . | . |
| 12.317 | 3.5843 | 7.36 | .Q | V | . | . | . |
| 12.333 | 3.5945 | 7.41 | .Q | V | . | . | . |
| 12.350 | 3.6048 | 7.45 | .Q | V | . | . | . |
| 12.367 | 3.6151 | 7.50 | .Q | V | . | . | . |
| 12.383 | 3.6255 | 7.54 | .Q | V | . | . | . |
| 12.400 | 3.6359 | 7.57 | .Q | V | . | . | . |
| 12.417 | 3.6464 | 7.58 | .Q | V | . | . | . |
| 12.433 | 3.6568 | 7.60 | .Q | V | . | . | . |
| 12.450 | 3.6673 | 7.61 | .Q | V | . | . | . |
| 12.467 | 3.6778 | 7.62 | .Q | V | . | . | . |
| 12.483 | 3.6883 | 7.63 | .Q | V | . | . | . |
| 12.500 | 3.6989 | 7.64 | .Q | V | . | . | . |
| 12.517 | 3.7094 | 7.66 | .Q | V | . | . | . |
| 12.533 | 3.7200 | 7.67 | .Q | V | . | . | . |
| 12.550 | 3.7305 | 7.68 | .Q | V | . | . | . |
| 12.567 | 3.7411 | 7.70 | .Q | V | . | . | . |
| 12.583 | 3.7518 | 7.72 | .Q | V | . | . | . |
| 12.600 | 3.7625 | 7.75 | .Q | V | . | . | . |
| 12.617 | 3.7732 | 7.78 | .Q | V | . | . | . |
| 12.633 | 3.7839 | 7.80 | .Q | V | . | . | . |
| 12.650 | 3.7947 | 7.83 | .Q | V | . | . | . |
| 12.667 | 3.8055 | 7.86 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|----|---|---|---|
| 12.683 | 3.8164 | 7.88 | .Q | V | . | . | . |
| 12.700 | 3.8273 | 7.91 | .Q | V | . | . | . |
| 12.717 | 3.8382 | 7.93 | .Q | V | . | . | . |
| 12.733 | 3.8492 | 7.96 | .Q | V | . | . | . |
| 12.750 | 3.8601 | 7.98 | .Q | .V | . | . | . |
| 12.767 | 3.8712 | 7.99 | .Q | .V | . | . | . |
| 12.783 | 3.8822 | 8.01 | .Q | .V | . | . | . |
| 12.800 | 3.8932 | 8.02 | .Q | .V | . | . | . |
| 12.817 | 3.9043 | 8.04 | .Q | .V | . | . | . |
| 12.833 | 3.9154 | 8.05 | .Q | .V | . | . | . |
| 12.850 | 3.9265 | 8.06 | .Q | .V | . | . | . |
| 12.867 | 3.9376 | 8.08 | .Q | .V | . | . | . |
| 12.883 | 3.9488 | 8.09 | .Q | .V | . | . | . |
| 12.900 | 3.9599 | 8.11 | .Q | .V | . | . | . |
| 12.917 | 3.9711 | 8.13 | .Q | .V | . | . | . |
| 12.933 | 3.9824 | 8.16 | .Q | .V | . | . | . |
| 12.950 | 3.9937 | 8.19 | .Q | .V | . | . | . |
| 12.967 | 4.0050 | 8.22 | .Q | .V | . | . | . |
| 12.983 | 4.0164 | 8.25 | .Q | .V | . | . | . |
| 13.000 | 4.0278 | 8.29 | .Q | .V | . | . | . |
| 13.017 | 4.0392 | 8.32 | .Q | .V | . | . | . |
| 13.033 | 4.0507 | 8.35 | .Q | .V | . | . | . |
| 13.050 | 4.0623 | 8.38 | .Q | .V | . | . | . |
| 13.067 | 4.0739 | 8.41 | .Q | .V | . | . | . |
| 13.083 | 4.0855 | 8.44 | .Q | .V | . | . | . |
| 13.100 | 4.0971 | 8.46 | .Q | .V | . | . | . |
| 13.117 | 4.1088 | 8.47 | .Q | .V | . | . | . |
| 13.133 | 4.1205 | 8.49 | .Q | .V | . | . | . |
| 13.150 | 4.1322 | 8.51 | .Q | .V | . | . | . |
| 13.167 | 4.1440 | 8.52 | .Q | .V | . | . | . |
| 13.183 | 4.1557 | 8.54 | .Q | .V | . | . | . |
| 13.200 | 4.1675 | 8.56 | .Q | .V | . | . | . |
| 13.217 | 4.1793 | 8.58 | .Q | .V | . | . | . |
| 13.233 | 4.1912 | 8.59 | .Q | .V | . | . | . |
| 13.250 | 4.2030 | 8.61 | .Q | .V | . | . | . |
| 13.267 | 4.2149 | 8.64 | .Q | .V | . | . | . |
| 13.283 | 4.2269 | 8.68 | .Q | .V | . | . | . |
| 13.300 | 4.2389 | 8.72 | .Q | .V | . | . | . |
| 13.317 | 4.2510 | 8.75 | .Q | .V | . | . | . |
| 13.333 | 4.2631 | 8.79 | .Q | .V | . | . | . |
| 13.350 | 4.2752 | 8.83 | .Q | .V | . | . | . |
| 13.367 | 4.2874 | 8.87 | .Q | .V | . | . | . |
| 13.383 | 4.2997 | 8.90 | .Q | .V | . | . | . |
| 13.400 | 4.3120 | 8.94 | .Q | .V | . | . | . |
| 13.417 | 4.3244 | 8.98 | .Q | .V | . | . | . |
| 13.433 | 4.3368 | 9.01 | .Q | .V | . | . | . |
| 13.450 | 4.3492 | 9.03 | .Q | .V | . | . | . |
| 13.467 | 4.3617 | 9.05 | .Q | .V | . | . | . |
| 13.483 | 4.3742 | 9.07 | .Q | .V | . | . | . |
| 13.500 | 4.3867 | 9.09 | .Q | .V | . | . | . |
| 13.517 | 4.3993 | 9.11 | .Q | .V | . | . | . |
| 13.533 | 4.4118 | 9.13 | .Q | .V | . | . | . |
| 13.550 | 4.4244 | 9.15 | .Q | .V | . | . | . |
| 13.567 | 4.4371 | 9.17 | .Q | .V | . | . | . |
| 13.583 | 4.4497 | 9.19 | .Q | .V | . | . | . |
| 13.600 | 4.4624 | 9.22 | .Q | .V | . | . | . |
| 13.617 | 4.4752 | 9.26 | .Q | .V | . | . | . |
| 13.633 | 4.4880 | 9.31 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|--------|-------|-----|-----|---|---|---|
| 13.650 | 4.5009 | 9.35 | . Q | . V | . | . | . |
| 13.667 | 4.5138 | 9.40 | . Q | . V | . | . | . |
| 13.683 | 4.5268 | 9.44 | . Q | . V | . | . | . |
| 13.700 | 4.5399 | 9.49 | . Q | . V | . | . | . |
| 13.717 | 4.5530 | 9.53 | . Q | . V | . | . | . |
| 13.733 | 4.5662 | 9.58 | . Q | . V | . | . | . |
| 13.750 | 4.5795 | 9.63 | . Q | . V | . | . | . |
| 13.767 | 4.5928 | 9.67 | . Q | . V | . | . | . |
| 13.783 | 4.6062 | 9.70 | . Q | . V | . | . | . |
| 13.800 | 4.6196 | 9.73 | . Q | . V | . | . | . |
| 13.817 | 4.6330 | 9.75 | . Q | . V | . | . | . |
| 13.833 | 4.6465 | 9.78 | . Q | . V | . | . | . |
| 13.850 | 4.6600 | 9.80 | . Q | . V | . | . | . |
| 13.867 | 4.6735 | 9.83 | . Q | . V | . | . | . |
| 13.883 | 4.6871 | 9.85 | . Q | . V | . | . | . |
| 13.900 | 4.7007 | 9.88 | . Q | . V | . | . | . |
| 13.917 | 4.7143 | 9.90 | . Q | . V | . | . | . |
| 13.933 | 4.7280 | 9.93 | . Q | . V | . | . | . |
| 13.950 | 4.7417 | 9.97 | . Q | . V | . | . | . |
| 13.967 | 4.7556 | 10.03 | . Q | . V | . | . | . |
| 13.983 | 4.7695 | 10.09 | . Q | . V | . | . | . |
| 14.000 | 4.7834 | 10.15 | . Q | . V | . | . | . |
| 14.017 | 4.7975 | 10.21 | . Q | . V | . | . | . |
| 14.033 | 4.8117 | 10.27 | . Q | . V | . | . | . |
| 14.050 | 4.8259 | 10.33 | . Q | . V | . | . | . |
| 14.067 | 4.8402 | 10.39 | . Q | . V | . | . | . |
| 14.083 | 4.8546 | 10.45 | . Q | . V | . | . | . |
| 14.100 | 4.8691 | 10.51 | . Q | . V | . | . | . |
| 14.117 | 4.8836 | 10.57 | . Q | . V | . | . | . |
| 14.133 | 4.8983 | 10.61 | . Q | . V | . | . | . |
| 14.150 | 4.9129 | 10.64 | . Q | . V | . | . | . |
| 14.167 | 4.9276 | 10.68 | . Q | . V | . | . | . |
| 14.183 | 4.9424 | 10.72 | . Q | . V | . | . | . |
| 14.200 | 4.9572 | 10.75 | . Q | . V | . | . | . |
| 14.217 | 4.9721 | 10.79 | . Q | . V | . | . | . |
| 14.233 | 4.9870 | 10.83 | . Q | . V | . | . | . |
| 14.250 | 5.0019 | 10.86 | . Q | . V | . | . | . |
| 14.267 | 5.0170 | 10.90 | . Q | . V | . | . | . |
| 14.283 | 5.0320 | 10.94 | . Q | . V | . | . | . |
| 14.300 | 5.0472 | 11.00 | . Q | . V | . | . | . |
| 14.317 | 5.0624 | 11.08 | . Q | . V | . | . | . |
| 14.333 | 5.0778 | 11.16 | . Q | . V | . | . | . |
| 14.350 | 5.0933 | 11.23 | . Q | . V | . | . | . |
| 14.367 | 5.1089 | 11.31 | . Q | . V | . | . | . |
| 14.383 | 5.1245 | 11.38 | . Q | . V | . | . | . |
| 14.400 | 5.1403 | 11.46 | . Q | . V | . | . | . |
| 14.417 | 5.1562 | 11.53 | . Q | . V | . | . | . |
| 14.433 | 5.1722 | 11.61 | . Q | . V | . | . | . |
| 14.450 | 5.1883 | 11.68 | . Q | . V | . | . | . |
| 14.467 | 5.2045 | 11.74 | . Q | . V | . | . | . |
| 14.483 | 5.2207 | 11.79 | . Q | . V | . | . | . |
| 14.500 | 5.2370 | 11.83 | . Q | . V | . | . | . |
| 14.517 | 5.2534 | 11.88 | . Q | . V | . | . | . |
| 14.533 | 5.2698 | 11.92 | . Q | . V | . | . | . |
| 14.550 | 5.2862 | 11.96 | . Q | . V | . | . | . |
| 14.567 | 5.3028 | 12.01 | . Q | . V | . | . | . |
| 14.583 | 5.3194 | 12.05 | . Q | . V | . | . | . |
| 14.600 | 5.3361 | 12.10 | . Q | . V | . | . | . |

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|--------|--------|-------|-----|-----|---|---|---|
| 14.617 | 5.3528 | 12.14 | . Q | . V | . | . | . |
| 14.633 | 5.3696 | 12.20 | . Q | . V | . | . | . |
| 14.650 | 5.3865 | 12.30 | . Q | . V | . | . | . |
| 14.667 | 5.4036 | 12.40 | . Q | . V | . | . | . |
| 14.683 | 5.4208 | 12.51 | . Q | . V | . | . | . |
| 14.700 | 5.4382 | 12.61 | . Q | . V | . | . | . |
| 14.717 | 5.4557 | 12.72 | . Q | . V | . | . | . |
| 14.733 | 5.4734 | 12.82 | . Q | . V | . | . | . |
| 14.750 | 5.4912 | 12.93 | . Q | . V | . | . | . |
| 14.767 | 5.5091 | 13.03 | . Q | . V | . | . | . |
| 14.783 | 5.5272 | 13.14 | . Q | . V | . | . | . |
| 14.800 | 5.5455 | 13.24 | . Q | . V | . | . | . |
| 14.817 | 5.5638 | 13.31 | . Q | . V | . | . | . |
| 14.833 | 5.5822 | 13.38 | . Q | . V | . | . | . |
| 14.850 | 5.6007 | 13.44 | . Q | . V | . | . | . |
| 14.867 | 5.6193 | 13.51 | . Q | . V | . | . | . |
| 14.883 | 5.6380 | 13.57 | . Q | . V | . | . | . |
| 14.900 | 5.6568 | 13.63 | . Q | . V | . | . | . |
| 14.917 | 5.6757 | 13.70 | . Q | . V | . | . | . |
| 14.933 | 5.6946 | 13.76 | . Q | . V | . | . | . |
| 14.950 | 5.7137 | 13.82 | . Q | . V | . | . | . |
| 14.967 | 5.7328 | 13.89 | . Q | . V | . | . | . |
| 14.983 | 5.7521 | 14.00 | . Q | . V | . | . | . |
| 15.000 | 5.7716 | 14.16 | . Q | . V | . | . | . |
| 15.017 | 5.7913 | 14.32 | . Q | . V | . | . | . |
| 15.033 | 5.8113 | 14.48 | . Q | . V | . | . | . |
| 15.050 | 5.8314 | 14.64 | . Q | . V | . | . | . |
| 15.067 | 5.8518 | 14.80 | . Q | . V | . | . | . |
| 15.083 | 5.8724 | 14.96 | . Q | . V | . | . | . |
| 15.100 | 5.8932 | 15.12 | . Q | . V | . | . | . |
| 15.117 | 5.9143 | 15.28 | . Q | . V | . | . | . |
| 15.133 | 5.9356 | 15.44 | . Q | . V | . | . | . |
| 15.150 | 5.9570 | 15.59 | . Q | . V | . | . | . |
| 15.167 | 5.9787 | 15.70 | . Q | . V | . | . | . |
| 15.183 | 6.0004 | 15.80 | . Q | . V | . | . | . |
| 15.200 | 6.0223 | 15.91 | . Q | . V | . | . | . |
| 15.217 | 6.0444 | 16.01 | . Q | . V | . | . | . |
| 15.233 | 6.0666 | 16.11 | . Q | . V | . | . | . |
| 15.250 | 6.0889 | 16.22 | . Q | . V | . | . | . |
| 15.267 | 6.1114 | 16.32 | . Q | . V | . | . | . |
| 15.283 | 6.1340 | 16.43 | . Q | . V | . | . | . |
| 15.300 | 6.1568 | 16.53 | . Q | . V | . | . | . |
| 15.317 | 6.1797 | 16.64 | . Q | . V | . | . | . |
| 15.333 | 6.2028 | 16.77 | . Q | . V | . | . | . |
| 15.350 | 6.2261 | 16.92 | . Q | . V | . | . | . |
| 15.367 | 6.2496 | 17.07 | . Q | . V | . | . | . |
| 15.383 | 6.2733 | 17.22 | . Q | . V | . | . | . |
| 15.400 | 6.2973 | 17.36 | . Q | . V | . | . | . |
| 15.417 | 6.3214 | 17.51 | . Q | . V | . | . | . |
| 15.433 | 6.3457 | 17.66 | . Q | . V | . | . | . |
| 15.450 | 6.3702 | 17.80 | . Q | . V | . | . | . |
| 15.467 | 6.3950 | 17.95 | . Q | . V | . | . | . |
| 15.483 | 6.4199 | 18.10 | . Q | . V | . | . | . |
| 15.500 | 6.4450 | 18.26 | . Q | . V | . | . | . |
| 15.517 | 6.4704 | 18.44 | . Q | . V | . | . | . |
| 15.533 | 6.4961 | 18.62 | . Q | . V | . | . | . |
| 15.550 | 6.5220 | 18.80 | . Q | . V | . | . | . |
| 15.567 | 6.5481 | 18.98 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|----|-------|---|---|---|
| 15.583 | 6.5745 | 19.16 | . | Q | . | V | . | . | . |
| 15.600 | 6.6012 | 19.34 | . | Q | . | V | . | . | . |
| 15.617 | 6.6280 | 19.52 | . | Q | . | V | . | . | . |
| 15.633 | 6.6552 | 19.70 | . | Q | . | V | . | . | . |
| 15.650 | 6.6825 | 19.88 | . | Q | . | V | . | . | . |
| 15.667 | 6.7104 | 20.23 | . | Q | . | V | . | . | . |
| 15.683 | 6.7396 | 21.17 | . | Q | . | V | . | . | . |
| 15.700 | 6.7701 | 22.15 | . | Q | . | V | . | . | . |
| 15.717 | 6.8020 | 23.14 | . | Q | . | V | . | . | . |
| 15.733 | 6.8352 | 24.13 | . | Q | . | V | . | . | . |
| 15.750 | 6.8698 | 25.11 | . | Q | . | V | . | . | . |
| 15.767 | 6.9057 | 26.10 | . | Q | . | V | . | . | . |
| 15.783 | 6.9430 | 27.08 | . | Q | . | V | . | . | . |
| 15.800 | 6.9817 | 28.07 | . | Q | . | V | . | . | . |
| 15.817 | 7.0217 | 29.05 | . | Q | . | V | . | . | . |
| 15.833 | 7.0631 | 30.04 | . | Q | . | V | . | . | . |
| 15.850 | 7.1058 | 31.03 | . | Q | . | V | . | . | . |
| 15.867 | 7.1499 | 32.03 | . | Q | . | V | . | . | . |
| 15.883 | 7.1954 | 33.03 | . | Q | . | V | . | . | . |
| 15.900 | 7.2423 | 34.02 | . | Q | . | V | . | . | . |
| 15.917 | 7.2905 | 35.02 | . | Q | . | V | . | . | . |
| 15.933 | 7.3401 | 36.02 | . | Q | . | V | . | . | . |
| 15.950 | 7.3911 | 37.02 | . | Q | . | .V | . | . | . |
| 15.967 | 7.4435 | 38.01 | . | Q | . | .V | . | . | . |
| 15.983 | 7.4972 | 39.01 | . | Q | . | .V | . | . | . |
| 16.000 | 7.5523 | 40.01 | . | Q | . | .V | . | . | . |
| 16.017 | 7.6174 | 47.26 | . | Q | . | .V | . | . | . |
| 16.033 | 7.7011 | 60.75 | . | . | Q | .V | . | . | . |
| 16.050 | 7.8034 | 74.25 | . | . | Q | .V | . | . | . |
| 16.067 | 7.9242 | 87.75 | . | . | Q | .V | . | . | . |
| 16.083 | 8.0637 | 101.25 | . | . | . | .QV | . | . | . |
| 16.100 | 8.2218 | 114.74 | . | . | . | .V Q | . | . | . |
| 16.117 | 8.3984 | 128.24 | . | . | . | .V Q | . | . | . |
| 16.133 | 8.5936 | 141.74 | . | . | . | .V .Q | . | . | . |
| 16.150 | 8.8074 | 155.23 | . | . | . | .V .Q | . | . | . |
| 16.167 | 9.0399 | 168.73 | . | . | . | .V .Q | . | . | . |
| 16.183 | 9.2877 | 179.94 | . | . | . | .V .Q | . | . | . |
| 16.200 | 9.5111 | 162.18 | . | . | . | .V .Q | . | . | . |
| 16.217 | 9.7136 | 147.00 | . | . | . | .V .Q | . | . | . |
| 16.233 | 9.8952 | 131.83 | . | . | . | .VQ. | . | . | . |
| 16.250 | 10.0558 | 116.65 | . | . | . | Q V | . | . | . |
| 16.267 | 10.1956 | 101.48 | . | . | . | .Q V | . | . | . |
| 16.283 | 10.3145 | 86.30 | . | . | . | Q. V | . | . | . |
| 16.300 | 10.4125 | 71.13 | . | . | Q | .V | . | . | . |
| 16.317 | 10.4895 | 55.95 | . | . | Q | .V | . | . | . |
| 16.333 | 10.5457 | 40.78 | . | . | Q. | .V | . | . | . |
| 16.350 | 10.5821 | 26.45 | . | . | Q | .V | . | . | . |
| 16.367 | 10.6135 | 22.75 | . | . | Q | .V | . | . | . |
| 16.383 | 10.6441 | 22.25 | . | . | Q | .V | . | . | . |
| 16.400 | 10.6741 | 21.74 | . | . | Q | .V | . | . | . |
| 16.417 | 10.7033 | 21.24 | . | . | Q | .V | . | . | . |
| 16.433 | 10.7319 | 20.74 | . | . | Q | .V | . | . | . |
| 16.450 | 10.7598 | 20.23 | . | . | Q | .V | . | . | . |
| 16.467 | 10.7869 | 19.73 | . | . | Q | .V | . | . | . |
| 16.483 | 10.8134 | 19.23 | . | . | Q | .V | . | . | . |
| 16.500 | 10.8392 | 18.72 | . | . | Q | .V | . | . | . |
| 16.517 | 10.8643 | 18.22 | . | . | Q | .V | . | . | . |
| 16.533 | 10.8889 | 17.81 | . | . | Q | .V | . | . | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|----|---|
| 16.550 | 10.9129 | 17.49 | . | Q | . | . | . | .V | . |
| 16.567 | 10.9366 | 17.17 | . | Q | . | . | . | .V | . |
| 16.583 | 10.9598 | 16.85 | . | Q | . | . | . | .V | . |
| 16.600 | 10.9826 | 16.54 | . | Q | . | . | . | .V | . |
| 16.617 | 11.0049 | 16.22 | . | Q | . | . | . | .V | . |
| 16.633 | 11.0268 | 15.90 | . | Q | . | . | . | .V | . |
| 16.650 | 11.0483 | 15.58 | . | Q | . | . | . | .V | . |
| 16.667 | 11.0693 | 15.26 | . | Q | . | . | . | .V | . |
| 16.683 | 11.0899 | 14.94 | . | Q | . | . | . | .V | . |
| 16.700 | 11.1101 | 14.65 | . | Q | . | . | . | .V | . |
| 16.717 | 11.1300 | 14.45 | . | Q | . | . | . | .V | . |
| 16.733 | 11.1496 | 14.26 | . | Q | . | . | . | .V | . |
| 16.750 | 11.1690 | 14.07 | . | Q | . | . | . | .V | . |
| 16.767 | 11.1881 | 13.87 | . | Q | . | . | . | .V | . |
| 16.783 | 11.2070 | 13.68 | . | Q | . | . | . | .V | . |
| 16.800 | 11.2256 | 13.49 | . | Q | . | . | . | .V | . |
| 16.817 | 11.2439 | 13.30 | . | Q | . | . | . | .V | . |
| 16.833 | 11.2619 | 13.10 | . | Q | . | . | . | .V | . |
| 16.850 | 11.2797 | 12.91 | . | Q | . | . | . | .V | . |
| 16.867 | 11.2972 | 12.72 | . | Q | . | . | . | .V | . |
| 16.883 | 11.3145 | 12.57 | . | Q | . | . | . | .V | . |
| 16.900 | 11.3317 | 12.44 | . | Q | . | . | . | .V | . |
| 16.917 | 11.3486 | 12.31 | . | Q | . | . | . | .V | . |
| 16.933 | 11.3654 | 12.18 | . | Q | . | . | . | .V | . |
| 16.950 | 11.3820 | 12.04 | . | Q | . | . | . | .V | . |
| 16.967 | 11.3984 | 11.91 | . | Q | . | . | . | .V | . |
| 16.983 | 11.4146 | 11.78 | . | Q | . | . | . | .V | . |
| 17.000 | 11.4306 | 11.64 | . | 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% | 1021.0 |
| 10% | 315.0 |
| 20% | 125.0 |
| 30% | 90.0 |
| 40% | 75.0 |
| 50% | 60.0 |
| 60% | 50.0 |
| 70% | 40.0 |
| 80% | 25.0 |
| 90% | 15.0 |

=====

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA E *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 10-YR EV MARCH 2019 CCHIU *

FILE NAME: 4E10EVS.DAT
TIME/DATE OF STUDY: 14:56 03/13/2019

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 810.00 TO NODE 817.00 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) = 171.00
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.174
LOW LOSS FRACTION = 0.450
TIME OF CONCENTRATION (MIN.) = 9.86
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.26
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.59
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.78
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.31
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.81
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.03

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 23.53

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 19.65

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. | 76.3 | 152.7 | 229.0 | 305.4 |
|------------|-------------|---------|----|------|-------|-------|-------|
| 10.000 | 4.2425 | 7.25 | Q | V | . | . | . |
| 10.017 | 4.2525 | 7.26 | Q | V | . | . | . |
| 10.033 | 4.2625 | 7.27 | Q | V | . | . | . |
| 10.050 | 4.2725 | 7.27 | Q | V | . | . | . |
| 10.067 | 4.2826 | 7.28 | Q | V | . | . | . |
| 10.083 | 4.2926 | 7.29 | Q | V | . | . | . |
| 10.100 | 4.3027 | 7.30 | Q | V | . | . | . |
| 10.117 | 4.3127 | 7.32 | Q | V | . | . | . |
| 10.133 | 4.3229 | 7.34 | Q | V | . | . | . |
| 10.150 | 4.3330 | 7.35 | Q | V | . | . | . |
| 10.167 | 4.3431 | 7.37 | Q | V | . | . | . |
| 10.183 | 4.3533 | 7.39 | Q | V | . | . | . |
| 10.200 | 4.3635 | 7.41 | Q | V | . | . | . |
| 10.217 | 4.3737 | 7.42 | Q | V | . | . | . |
| 10.233 | 4.3840 | 7.44 | Q | V | . | . | . |
| 10.250 | 4.3943 | 7.46 | Q | V | . | . | . |
| 10.267 | 4.4046 | 7.47 | Q | V | . | . | . |
| 10.283 | 4.4149 | 7.48 | Q | V | . | . | . |
| 10.300 | 4.4252 | 7.49 | Q | V | . | . | . |
| 10.317 | 4.4355 | 7.50 | Q | V | . | . | . |
| 10.333 | 4.4458 | 7.51 | Q | V | . | . | . |
| 10.350 | 4.4562 | 7.52 | Q | V | . | . | . |
| 10.367 | 4.4666 | 7.52 | Q | V | . | . | . |
| 10.383 | 4.4769 | 7.53 | Q | V | . | . | . |
| 10.400 | 4.4873 | 7.54 | Q | V | . | . | . |
| 10.417 | 4.4977 | 7.55 | Q | V | . | . | . |
| 10.433 | 4.5081 | 7.57 | Q | V | . | . | . |
| 10.450 | 4.5186 | 7.59 | Q | V | . | . | . |
| 10.467 | 4.5291 | 7.61 | Q | V | . | . | . |
| 10.483 | 4.5396 | 7.62 | Q | V | . | . | . |
| 10.500 | 4.5501 | 7.64 | .Q | V | . | . | . |
| 10.517 | 4.5607 | 7.66 | .Q | V | . | . | . |
| 10.533 | 4.5712 | 7.68 | .Q | V | . | . | . |
| 10.550 | 4.5818 | 7.70 | .Q | V | . | . | . |
| 10.567 | 4.5925 | 7.72 | .Q | V | . | . | . |
| 10.583 | 4.6031 | 7.74 | .Q | V | . | . | . |
| 10.600 | 4.6138 | 7.75 | .Q | V | . | . | . |
| 10.617 | 4.6245 | 7.76 | .Q | V | . | . | . |
| 10.633 | 4.6352 | 7.77 | .Q | V | . | . | . |
| 10.650 | 4.6459 | 7.78 | .Q | V | . | . | . |
| 10.667 | 4.6566 | 7.79 | .Q | V | . | . | . |
| 10.683 | 4.6674 | 7.80 | .Q | V | . | . | . |
| 10.700 | 4.6781 | 7.81 | .Q | V | . | . | . |
| 10.717 | 4.6889 | 7.82 | .Q | V | . | . | . |
| 10.733 | 4.6997 | 7.83 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|---|---|---|---|
| 10.750 | 4.7105 | 7.84 | .Q | V | . | . | . |
| 10.767 | 4.7213 | 7.86 | .Q | V | . | . | . |
| 10.783 | 4.7322 | 7.88 | .Q | V | . | . | . |
| 10.800 | 4.7431 | 7.90 | .Q | V | . | . | . |
| 10.817 | 4.7540 | 7.92 | .Q | V | . | . | . |
| 10.833 | 4.7649 | 7.94 | .Q | V | . | . | . |
| 10.850 | 4.7759 | 7.96 | .Q | V | . | . | . |
| 10.867 | 4.7869 | 7.99 | .Q | V | . | . | . |
| 10.883 | 4.7979 | 8.01 | .Q | V | . | . | . |
| 10.900 | 4.8090 | 8.03 | .Q | V | . | . | . |
| 10.917 | 4.8200 | 8.05 | .Q | V | . | . | . |
| 10.933 | 4.8311 | 8.06 | .Q | V | . | . | . |
| 10.950 | 4.8423 | 8.07 | .Q | V | . | . | . |
| 10.967 | 4.8534 | 8.08 | .Q | V | . | . | . |
| 10.983 | 4.8645 | 8.09 | .Q | V | . | . | . |
| 11.000 | 4.8757 | 8.10 | .Q | V | . | . | . |
| 11.017 | 4.8869 | 8.11 | .Q | V | . | . | . |
| 11.033 | 4.8981 | 8.12 | .Q | V | . | . | . |
| 11.050 | 4.9093 | 8.13 | .Q | V | . | . | . |
| 11.067 | 4.9205 | 8.14 | .Q | V | . | . | . |
| 11.083 | 4.9317 | 8.16 | .Q | V | . | . | . |
| 11.100 | 4.9430 | 8.18 | .Q | V | . | . | . |
| 11.117 | 4.9543 | 8.21 | .Q | V | . | . | . |
| 11.133 | 4.9656 | 8.23 | .Q | V | . | . | . |
| 11.150 | 4.9770 | 8.25 | .Q | V | . | . | . |
| 11.167 | 4.9884 | 8.28 | .Q | V | . | . | . |
| 11.183 | 4.9998 | 8.30 | .Q | V | . | . | . |
| 11.200 | 5.0113 | 8.32 | .Q | V | . | . | . |
| 11.217 | 5.0228 | 8.34 | .Q | V | . | . | . |
| 11.233 | 5.0343 | 8.37 | .Q | V | . | . | . |
| 11.250 | 5.0459 | 8.39 | .Q | V | . | . | . |
| 11.267 | 5.0574 | 8.40 | .Q | V | . | . | . |
| 11.283 | 5.0690 | 8.41 | .Q | V | . | . | . |
| 11.300 | 5.0806 | 8.42 | .Q | V | . | . | . |
| 11.317 | 5.0922 | 8.44 | .Q | V | . | . | . |
| 11.333 | 5.1039 | 8.45 | .Q | V | . | . | . |
| 11.350 | 5.1155 | 8.46 | .Q | V | . | . | . |
| 11.367 | 5.1272 | 8.47 | .Q | V | . | . | . |
| 11.383 | 5.1389 | 8.48 | .Q | V | . | . | . |
| 11.400 | 5.1506 | 8.50 | .Q | V | . | . | . |
| 11.417 | 5.1623 | 8.52 | .Q | V | . | . | . |
| 11.433 | 5.1741 | 8.54 | .Q | V | . | . | . |
| 11.450 | 5.1859 | 8.57 | .Q | V | . | . | . |
| 11.467 | 5.1977 | 8.59 | .Q | V | . | . | . |
| 11.483 | 5.2096 | 8.62 | .Q | V | . | . | . |
| 11.500 | 5.2215 | 8.65 | .Q | V | . | . | . |
| 11.517 | 5.2334 | 8.67 | .Q | V | . | . | . |
| 11.533 | 5.2454 | 8.70 | .Q | V | . | . | . |
| 11.550 | 5.2574 | 8.72 | .Q | V | . | . | . |
| 11.567 | 5.2695 | 8.75 | .Q | V | . | . | . |
| 11.583 | 5.2816 | 8.77 | .Q | V | . | . | . |
| 11.600 | 5.2937 | 8.78 | .Q | V | . | . | . |
| 11.617 | 5.3058 | 8.79 | .Q | V | . | . | . |
| 11.633 | 5.3179 | 8.81 | .Q | V | . | . | . |
| 11.650 | 5.3300 | 8.82 | .Q | V | . | . | . |
| 11.667 | 5.3422 | 8.84 | .Q | V | . | . | . |
| 11.683 | 5.3544 | 8.85 | .Q | V | . | . | . |
| 11.700 | 5.3666 | 8.86 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|----|---|---|---|
| 11.717 | 5.3788 | 8.88 | .Q | V. | . | . | . |
| 11.733 | 5.3911 | 8.89 | .Q | V. | . | . | . |
| 11.750 | 5.4034 | 8.92 | .Q | V. | . | . | . |
| 11.767 | 5.4157 | 8.95 | .Q | V. | . | . | . |
| 11.783 | 5.4281 | 8.98 | .Q | V. | . | . | . |
| 11.800 | 5.4405 | 9.00 | .Q | V. | . | . | . |
| 11.817 | 5.4529 | 9.03 | .Q | V. | . | . | . |
| 11.833 | 5.4654 | 9.06 | .Q | V. | . | . | . |
| 11.850 | 5.4779 | 9.09 | .Q | V. | . | . | . |
| 11.867 | 5.4905 | 9.12 | .Q | V. | . | . | . |
| 11.883 | 5.5031 | 9.15 | .Q | V. | . | . | . |
| 11.900 | 5.5157 | 9.18 | .Q | V. | . | . | . |
| 11.917 | 5.5284 | 9.20 | .Q | V. | . | . | . |
| 11.933 | 5.5411 | 9.21 | .Q | V. | . | . | . |
| 11.950 | 5.5538 | 9.23 | .Q | V. | . | . | . |
| 11.967 | 5.5665 | 9.24 | .Q | V. | . | . | . |
| 11.983 | 5.5793 | 9.26 | .Q | V. | . | . | . |
| 12.000 | 5.5920 | 9.27 | .Q | V. | . | . | . |
| 12.017 | 5.6048 | 9.29 | .Q | V. | . | . | . |
| 12.033 | 5.6176 | 9.30 | .Q | V. | . | . | . |
| 12.050 | 5.6305 | 9.32 | .Q | V. | . | . | . |
| 12.067 | 5.6434 | 9.39 | .Q | V. | . | . | . |
| 12.083 | 5.6567 | 9.65 | .Q | V. | . | . | . |
| 12.100 | 5.6704 | 9.93 | .Q | V. | . | . | . |
| 12.117 | 5.6844 | 10.21 | .Q | V. | . | . | . |
| 12.133 | 5.6989 | 10.49 | .Q | V. | . | . | . |
| 12.150 | 5.7137 | 10.77 | .Q | V. | . | . | . |
| 12.167 | 5.7289 | 11.05 | .Q | V. | . | . | . |
| 12.183 | 5.7446 | 11.33 | .Q | V. | . | . | . |
| 12.200 | 5.7605 | 11.61 | .Q | V. | . | . | . |
| 12.217 | 5.7769 | 11.89 | .Q | V. | . | . | . |
| 12.233 | 5.7936 | 12.09 | .Q | V. | . | . | . |
| 12.250 | 5.8103 | 12.11 | .Q | V. | . | . | . |
| 12.267 | 5.8270 | 12.13 | .Q | V. | . | . | . |
| 12.283 | 5.8437 | 12.15 | .Q | V. | . | . | . |
| 12.300 | 5.8605 | 12.17 | .Q | V. | . | . | . |
| 12.317 | 5.8773 | 12.19 | .Q | V. | . | . | . |
| 12.333 | 5.8941 | 12.21 | .Q | V | . | . | . |
| 12.350 | 5.9109 | 12.23 | .Q | V | . | . | . |
| 12.367 | 5.9278 | 12.25 | .Q | V | . | . | . |
| 12.383 | 5.9447 | 12.26 | .Q | V | . | . | . |
| 12.400 | 5.9616 | 12.29 | .Q | V | . | . | . |
| 12.417 | 5.9786 | 12.33 | .Q | V | . | . | . |
| 12.433 | 5.9956 | 12.37 | .Q | V | . | . | . |
| 12.450 | 6.0127 | 12.41 | .Q | V | . | . | . |
| 12.467 | 6.0299 | 12.45 | .Q | V | . | . | . |
| 12.483 | 6.0471 | 12.49 | .Q | V | . | . | . |
| 12.500 | 6.0644 | 12.53 | .Q | V | . | . | . |
| 12.517 | 6.0817 | 12.57 | .Q | V | . | . | . |
| 12.533 | 6.0991 | 12.62 | .Q | V | . | . | . |
| 12.550 | 6.1165 | 12.66 | .Q | V | . | . | . |
| 12.567 | 6.1340 | 12.69 | .Q | V | . | . | . |
| 12.583 | 6.1515 | 12.71 | .Q | V | . | . | . |
| 12.600 | 6.1690 | 12.73 | .Q | V | . | . | . |
| 12.617 | 6.1866 | 12.75 | .Q | V | . | . | . |
| 12.633 | 6.2042 | 12.77 | .Q | V | . | . | . |
| 12.650 | 6.2218 | 12.79 | .Q | V | . | . | . |
| 12.667 | 6.2394 | 12.82 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|----|---|---|---|
| 12.683 | 6.2571 | 12.84 | .Q | V | . | . | . |
| 12.700 | 6.2748 | 12.86 | .Q | V | . | . | . |
| 12.717 | 6.2926 | 12.88 | .Q | V | . | . | . |
| 12.733 | 6.3104 | 12.92 | .Q | V | . | . | . |
| 12.750 | 6.3282 | 12.97 | .Q | V | . | . | . |
| 12.767 | 6.3461 | 13.01 | .Q | V | . | . | . |
| 12.783 | 6.3641 | 13.06 | .Q | V | . | . | . |
| 12.800 | 6.3822 | 13.11 | .Q | V | . | . | . |
| 12.817 | 6.4003 | 13.15 | .Q | V | . | . | . |
| 12.833 | 6.4185 | 13.20 | .Q | V | . | . | . |
| 12.850 | 6.4367 | 13.25 | .Q | V | . | . | . |
| 12.867 | 6.4550 | 13.29 | .Q | V | . | . | . |
| 12.883 | 6.4734 | 13.34 | .Q | .V | . | . | . |
| 12.900 | 6.4918 | 13.37 | .Q | .V | . | . | . |
| 12.917 | 6.5103 | 13.39 | .Q | .V | . | . | . |
| 12.933 | 6.5287 | 13.42 | .Q | .V | . | . | . |
| 12.950 | 6.5473 | 13.44 | .Q | .V | . | . | . |
| 12.967 | 6.5658 | 13.47 | .Q | .V | . | . | . |
| 12.983 | 6.5844 | 13.49 | .Q | .V | . | . | . |
| 13.000 | 6.6030 | 13.52 | .Q | .V | . | . | . |
| 13.017 | 6.6217 | 13.54 | .Q | .V | . | . | . |
| 13.033 | 6.6404 | 13.57 | .Q | .V | . | . | . |
| 13.050 | 6.6591 | 13.60 | .Q | .V | . | . | . |
| 13.067 | 6.6779 | 13.65 | .Q | .V | . | . | . |
| 13.083 | 6.6967 | 13.70 | .Q | .V | . | . | . |
| 13.100 | 6.7157 | 13.76 | .Q | .V | . | . | . |
| 13.117 | 6.7347 | 13.81 | .Q | .V | . | . | . |
| 13.133 | 6.7538 | 13.87 | .Q | .V | . | . | . |
| 13.150 | 6.7730 | 13.92 | .Q | .V | . | . | . |
| 13.167 | 6.7922 | 13.97 | .Q | .V | . | . | . |
| 13.183 | 6.8116 | 14.03 | .Q | .V | . | . | . |
| 13.200 | 6.8310 | 14.08 | .Q | .V | . | . | . |
| 13.217 | 6.8504 | 14.13 | .Q | .V | . | . | . |
| 13.233 | 6.8699 | 14.16 | .Q | .V | . | . | . |
| 13.250 | 6.8895 | 14.19 | .Q | .V | . | . | . |
| 13.267 | 6.9091 | 14.22 | .Q | .V | . | . | . |
| 13.283 | 6.9287 | 14.25 | .Q | .V | . | . | . |
| 13.300 | 6.9484 | 14.28 | .Q | .V | . | . | . |
| 13.317 | 6.9681 | 14.31 | .Q | .V | . | . | . |
| 13.333 | 6.9879 | 14.34 | .Q | .V | . | . | . |
| 13.350 | 7.0077 | 14.37 | .Q | .V | . | . | . |
| 13.367 | 7.0275 | 14.40 | .Q | .V | . | . | . |
| 13.383 | 7.0474 | 14.44 | .Q | .V | . | . | . |
| 13.400 | 7.0674 | 14.51 | .Q | .V | . | . | . |
| 13.417 | 7.0874 | 14.57 | .Q | .V | . | . | . |
| 13.433 | 7.1076 | 14.64 | .Q | .V | . | . | . |
| 13.450 | 7.1279 | 14.70 | .Q | .V | . | . | . |
| 13.467 | 7.1482 | 14.77 | .Q | .V | . | . | . |
| 13.483 | 7.1686 | 14.83 | .Q | .V | . | . | . |
| 13.500 | 7.1892 | 14.90 | .Q | .V | . | . | . |
| 13.517 | 7.2098 | 14.96 | .Q | .V | . | . | . |
| 13.533 | 7.2305 | 15.03 | .Q | .V | . | . | . |
| 13.550 | 7.2512 | 15.08 | .Q | .V | . | . | . |
| 13.567 | 7.2721 | 15.12 | .Q | .V | . | . | . |
| 13.583 | 7.2929 | 15.15 | .Q | .V | . | . | . |
| 13.600 | 7.3139 | 15.19 | .Q | .V | . | . | . |
| 13.617 | 7.3348 | 15.23 | .Q | .V | . | . | . |
| 13.633 | 7.3558 | 15.26 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|--------|-------|-----|-----|---|---|---|
| 13.650 | 7.3769 | 15.30 | . Q | . V | . | . | . |
| 13.667 | 7.3980 | 15.33 | . Q | . V | . | . | . |
| 13.683 | 7.4192 | 15.37 | . Q | . V | . | . | . |
| 13.700 | 7.4404 | 15.40 | . Q | . V | . | . | . |
| 13.717 | 7.4617 | 15.46 | . Q | . V | . | . | . |
| 13.733 | 7.4831 | 15.54 | . Q | . V | . | . | . |
| 13.750 | 7.5047 | 15.62 | . Q | . V | . | . | . |
| 13.767 | 7.5263 | 15.70 | . Q | . V | . | . | . |
| 13.783 | 7.5480 | 15.78 | . Q | . V | . | . | . |
| 13.800 | 7.5699 | 15.86 | . Q | . V | . | . | . |
| 13.817 | 7.5918 | 15.94 | . Q | . V | . | . | . |
| 13.833 | 7.6139 | 16.02 | . Q | . V | . | . | . |
| 13.850 | 7.6361 | 16.10 | . Q | . V | . | . | . |
| 13.867 | 7.6584 | 16.18 | . Q | . V | . | . | . |
| 13.883 | 7.6807 | 16.24 | . Q | . V | . | . | . |
| 13.900 | 7.7032 | 16.28 | . Q | . V | . | . | . |
| 13.917 | 7.7257 | 16.33 | . Q | . V | . | . | . |
| 13.933 | 7.7482 | 16.37 | . Q | . V | . | . | . |
| 13.950 | 7.7708 | 16.41 | . Q | . V | . | . | . |
| 13.967 | 7.7935 | 16.46 | . Q | . V | . | . | . |
| 13.983 | 7.8162 | 16.50 | . Q | . V | . | . | . |
| 14.000 | 7.8390 | 16.55 | . Q | . V | . | . | . |
| 14.017 | 7.8619 | 16.59 | . Q | . V | . | . | . |
| 14.033 | 7.8848 | 16.64 | . Q | . V | . | . | . |
| 14.050 | 7.9078 | 16.74 | . Q | . V | . | . | . |
| 14.067 | 7.9311 | 16.87 | . Q | . V | . | . | . |
| 14.083 | 7.9545 | 16.99 | . Q | . V | . | . | . |
| 14.100 | 7.9780 | 17.11 | . Q | . V | . | . | . |
| 14.117 | 8.0018 | 17.23 | . Q | . V | . | . | . |
| 14.133 | 8.0257 | 17.35 | . Q | . V | . | . | . |
| 14.150 | 8.0497 | 17.47 | . Q | . V | . | . | . |
| 14.167 | 8.0740 | 17.59 | . Q | . V | . | . | . |
| 14.183 | 8.0984 | 17.71 | . Q | . V | . | . | . |
| 14.200 | 8.1229 | 17.83 | . Q | . V | . | . | . |
| 14.217 | 8.1476 | 17.89 | . Q | . V | . | . | . |
| 14.233 | 8.1723 | 17.95 | . Q | . V | . | . | . |
| 14.250 | 8.1971 | 18.01 | . Q | . V | . | . | . |
| 14.267 | 8.2220 | 18.07 | . Q | . V | . | . | . |
| 14.283 | 8.2470 | 18.12 | . Q | . V | . | . | . |
| 14.300 | 8.2720 | 18.18 | . Q | . V | . | . | . |
| 14.317 | 8.2971 | 18.24 | . Q | . V | . | . | . |
| 14.333 | 8.3223 | 18.29 | . Q | . V | . | . | . |
| 14.350 | 8.3476 | 18.35 | . Q | . V | . | . | . |
| 14.367 | 8.3730 | 18.42 | . Q | . V | . | . | . |
| 14.383 | 8.3985 | 18.55 | . Q | . V | . | . | . |
| 14.400 | 8.4242 | 18.68 | . Q | . V | . | . | . |
| 14.417 | 8.4502 | 18.81 | . Q | . V | . | . | . |
| 14.433 | 8.4762 | 18.94 | . Q | . V | . | . | . |
| 14.450 | 8.5025 | 19.08 | . Q | . V | . | . | . |
| 14.467 | 8.5290 | 19.21 | . Q | . V | . | . | . |
| 14.483 | 8.5556 | 19.34 | . Q | . V | . | . | . |
| 14.500 | 8.5824 | 19.47 | . Q | . V | . | . | . |
| 14.517 | 8.6094 | 19.60 | . Q | . V | . | . | . |
| 14.533 | 8.6366 | 19.72 | . Q | . V | . | . | . |
| 14.550 | 8.6639 | 19.80 | . Q | . V | . | . | . |
| 14.567 | 8.6912 | 19.88 | . Q | . V | . | . | . |
| 14.583 | 8.7187 | 19.95 | . Q | . V | . | . | . |
| 14.600 | 8.7463 | 20.03 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.617 | 8.7740 | 20.11 | . Q | . V | . | . | . |
| 14.633 | 8.8018 | 20.18 | . Q | . V | . | . | . |
| 14.650 | 8.8297 | 20.26 | . Q | . V | . | . | . |
| 14.667 | 8.8577 | 20.34 | . Q | . V | . | . | . |
| 14.683 | 8.8858 | 20.41 | . Q | . V | . | . | . |
| 14.700 | 8.9141 | 20.53 | . Q | . V | . | . | . |
| 14.717 | 8.9427 | 20.71 | . Q | . V | . | . | . |
| 14.733 | 8.9714 | 20.90 | . Q | . V | . | . | . |
| 14.750 | 9.0005 | 21.08 | . Q | . V | . | . | . |
| 14.767 | 9.0298 | 21.27 | . Q | . V | . | . | . |
| 14.783 | 9.0593 | 21.45 | . Q | . V | . | . | . |
| 14.800 | 9.0891 | 21.63 | . Q | . V | . | . | . |
| 14.817 | 9.1192 | 21.82 | . Q | . V | . | . | . |
| 14.833 | 9.1495 | 22.00 | . Q | . V | . | . | . |
| 14.850 | 9.1800 | 22.18 | . Q | . V | . | . | . |
| 14.867 | 9.2108 | 22.33 | . Q | . V | . | . | . |
| 14.883 | 9.2417 | 22.44 | . Q | . V | . | . | . |
| 14.900 | 9.2727 | 22.55 | . Q | . V | . | . | . |
| 14.917 | 9.3040 | 22.66 | . Q | . V | . | . | . |
| 14.933 | 9.3353 | 22.77 | . Q | . V | . | . | . |
| 14.950 | 9.3669 | 22.88 | . Q | . V | . | . | . |
| 14.967 | 9.3985 | 23.00 | . Q | . V | . | . | . |
| 14.983 | 9.4304 | 23.11 | . Q | . V | . | . | . |
| 15.000 | 9.4623 | 23.22 | . Q | . V | . | . | . |
| 15.017 | 9.4945 | 23.33 | . Q | . V | . | . | . |
| 15.033 | 9.5269 | 23.55 | . Q | . V | . | . | . |
| 15.050 | 9.5597 | 23.83 | . Q | . V | . | . | . |
| 15.067 | 9.5930 | 24.11 | . Q | . V | . | . | . |
| 15.083 | 9.6266 | 24.39 | . Q | . V | . | . | . |
| 15.100 | 9.6605 | 24.67 | . Q | . V | . | . | . |
| 15.117 | 9.6949 | 24.95 | . Q | . V | . | . | . |
| 15.133 | 9.7297 | 25.23 | . Q | . V | . | . | . |
| 15.150 | 9.7648 | 25.51 | . Q | . V | . | . | . |
| 15.167 | 9.8004 | 25.79 | . Q | . V | . | . | . |
| 15.183 | 9.8363 | 26.07 | . Q | . V | . | . | . |
| 15.200 | 9.8725 | 26.28 | . Q | . V | . | . | . |
| 15.217 | 9.9089 | 26.46 | . Q | . V | . | . | . |
| 15.233 | 9.9456 | 26.64 | . Q | . V | . | . | . |
| 15.250 | 9.9825 | 26.82 | . Q | . V | . | . | . |
| 15.267 | 10.0197 | 27.00 | . Q | . V | . | . | . |
| 15.283 | 10.0572 | 27.18 | . Q | . V | . | . | . |
| 15.300 | 10.0949 | 27.36 | . Q | . V | . | . | . |
| 15.317 | 10.1328 | 27.55 | . Q | . V | . | . | . |
| 15.333 | 10.1710 | 27.73 | . Q | . V | . | . | . |
| 15.350 | 10.2094 | 27.89 | . Q | . V | . | . | . |
| 15.367 | 10.2479 | 27.95 | . Q | . V | . | . | . |
| 15.383 | 10.2865 | 27.99 | . Q | . V | . | . | . |
| 15.400 | 10.3251 | 28.03 | . Q | . V | . | . | . |
| 15.417 | 10.3637 | 28.07 | . Q | . V | . | . | . |
| 15.433 | 10.4024 | 28.10 | . Q | . V | . | . | . |
| 15.450 | 10.4412 | 28.14 | . Q | . V | . | . | . |
| 15.467 | 10.4800 | 28.18 | . Q | . V | . | . | . |
| 15.483 | 10.5189 | 28.21 | . Q | . V | . | . | . |
| 15.500 | 10.5578 | 28.25 | . Q | . V | . | . | . |
| 15.517 | 10.5968 | 28.34 | . Q | . V | . | . | . |
| 15.533 | 10.6363 | 28.68 | . Q | . V | . | . | . |
| 15.550 | 10.6763 | 29.05 | . Q | . V | . | . | . |
| 15.567 | 10.7169 | 29.42 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|
| 15.583 | 10.7579 | 29.78 | . | Q | . | V | . | . | . |
| 15.600 | 10.7994 | 30.15 | . | Q | . | V | . | . | . |
| 15.617 | 10.8414 | 30.52 | . | Q | . | V | . | . | . |
| 15.633 | 10.8840 | 30.88 | . | Q | . | V | . | . | . |
| 15.650 | 10.9270 | 31.25 | . | Q | . | V | . | . | . |
| 15.667 | 10.9706 | 31.62 | . | Q | . | V | . | . | . |
| 15.683 | 11.0158 | 32.79 | . | Q | . | V | . | . | . |
| 15.700 | 11.0655 | 36.14 | . | Q | . | V | . | . | . |
| 15.717 | 11.1201 | 39.61 | . | Q | . | V | . | . | . |
| 15.733 | 11.1794 | 43.09 | . | Q | . | V | . | . | . |
| 15.750 | 11.2436 | 46.56 | . | Q | . | V | . | . | . |
| 15.767 | 11.3125 | 50.03 | . | Q | . | V | . | . | . |
| 15.783 | 11.3862 | 53.50 | . | Q | . | V | . | . | . |
| 15.800 | 11.4647 | 56.98 | . | Q | . | V | . | . | . |
| 15.817 | 11.5479 | 60.45 | . | Q | . | V | . | . | . |
| 15.833 | 11.6360 | 63.92 | . | Q | . | V | . | . | . |
| 15.850 | 11.7286 | 67.27 | . | Q | . | V | . | . | . |
| 15.867 | 11.8256 | 70.42 | . | Q | . | V | . | . | . |
| 15.883 | 11.9269 | 73.56 | . | Q | . | V | . | . | . |
| 15.900 | 12.0326 | 76.70 | . | Q | . | V | . | . | . |
| 15.917 | 12.1426 | 79.84 | . | Q | . | V | . | . | . |
| 15.933 | 12.2569 | 82.98 | . | Q | . | V | . | . | . |
| 15.950 | 12.3755 | 86.13 | . | . | Q | . | V | . | . |
| 15.967 | 12.4984 | 89.27 | . | . | Q | . | V | . | . |
| 15.983 | 12.6257 | 92.41 | . | . | Q | . | V | . | . |
| 16.000 | 12.7573 | 95.55 | . | . | Q | . | V | . | . |
| 16.017 | 12.9057 | 107.68 | . | . | Q | . | V | . | . |
| 16.033 | 13.0831 | 128.81 | . | . | Q | . | V | . | . |
| 16.050 | 13.2896 | 149.93 | . | . | Q | . | V | . | . |
| 16.067 | 13.5252 | 171.05 | . | . | Q | . | V | . | . |
| 16.083 | 13.7899 | 192.17 | . | . | . | V | Q | . | . |
| 16.100 | 14.0837 | 213.30 | . | . | . | V | Q | . | . |
| 16.117 | 14.4066 | 234.42 | . | . | . | V | Q | . | . |
| 16.133 | 14.7586 | 255.54 | . | . | . | V | Q | . | . |
| 16.150 | 15.1397 | 276.66 | . | . | . | V | Q | . | . |
| 16.167 | 15.5603 | 305.39 | . | . | . | V | Q | . | Q |
| 16.183 | 15.9573 | 288.24 | . | . | . | V | Q | . | . |
| 16.200 | 16.3174 | 261.44 | . | . | . | V | Q | . | . |
| 16.217 | 16.6406 | 234.64 | . | . | . | V | Q | . | . |
| 16.233 | 16.9269 | 207.84 | . | . | . | Q | V | . | . |
| 16.250 | 17.1763 | 181.04 | . | . | . | Q | V | . | . |
| 16.267 | 17.3887 | 154.24 | . | . | . | Q | V | . | . |
| 16.283 | 17.5642 | 127.44 | . | . | . | Q | V | . | . |
| 16.300 | 17.7029 | 100.64 | . | . | . | Q | V | . | . |
| 16.317 | 17.8046 | 73.83 | . | . | . | Q | V | . | . |
| 16.333 | 17.8707 | 48.04 | . | . | . | Q | V | . | . |
| 16.350 | 17.9261 | 40.23 | . | . | . | Q | V | . | . |
| 16.367 | 17.9800 | 39.08 | . | . | . | Q | V | . | . |
| 16.383 | 18.0322 | 37.92 | . | . | . | Q | V | . | . |
| 16.400 | 18.0828 | 36.76 | . | . | . | Q | V | . | . |
| 16.417 | 18.1319 | 35.61 | . | . | . | Q | V | . | . |
| 16.433 | 18.1793 | 34.45 | . | . | . | Q | V | . | . |
| 16.450 | 18.2252 | 33.29 | . | . | . | Q | V | . | . |
| 16.467 | 18.2695 | 32.13 | . | . | . | Q | V | . | . |
| 16.483 | 18.3121 | 30.98 | . | . | . | Q | V | . | . |
| 16.500 | 18.3533 | 29.88 | . | . | . | Q | V | . | . |
| 16.517 | 18.3936 | 29.25 | . | . | . | Q | V | . | . |
| 16.533 | 18.4332 | 28.74 | . | . | . | Q | V | . | . |

| | | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|---|
| 16.550 | 18.4720 | 28.22 | . | Q | . | . | . | . | V | . |
| 16.567 | 18.5102 | 27.70 | . | Q | . | . | . | . | V | . |
| 16.583 | 18.5476 | 27.19 | . | Q | . | . | . | . | V | . |
| 16.600 | 18.5844 | 26.67 | . | Q | . | . | . | . | V | . |
| 16.617 | 18.6204 | 26.16 | . | Q | . | . | . | . | V | . |
| 16.633 | 18.6557 | 25.64 | . | Q | . | . | . | . | V | . |
| 16.650 | 18.6903 | 25.12 | . | Q | . | . | . | . | V | . |
| 16.667 | 18.7243 | 24.63 | . | Q | . | . | . | . | V | . |
| 16.683 | 18.7577 | 24.28 | . | Q | . | . | . | . | V | . |
| 16.700 | 18.7907 | 23.94 | . | Q | . | . | . | . | V | . |
| 16.717 | 18.8232 | 23.61 | . | Q | . | . | . | . | V | . |
| 16.733 | 18.8552 | 23.27 | . | Q | . | . | . | . | V | . |
| 16.750 | 18.8868 | 22.93 | . | Q | . | . | . | . | V | . |
| 16.767 | 18.9179 | 22.59 | . | Q | . | . | . | . | V | . |
| 16.783 | 18.9486 | 22.26 | . | Q | . | . | . | . | V | . |
| 16.800 | 18.9788 | 21.92 | . | Q | . | . | . | . | V | . |
| 16.817 | 19.0085 | 21.58 | . | Q | . | . | . | . | V | . |
| 16.833 | 19.0378 | 21.27 | . | Q | . | . | . | . | V | . |
| 16.850 | 19.0668 | 21.03 | . | Q | . | . | . | . | V | . |
| 16.867 | 19.0954 | 20.80 | . | Q | . | . | . | . | V | . |
| 16.883 | 19.1238 | 20.57 | . | Q | . | . | . | . | V | . |
| 16.900 | 19.1518 | 20.34 | . | Q | . | . | . | . | V | . |
| 16.917 | 19.1795 | 20.10 | . | Q | . | . | . | . | V | . |
| 16.933 | 19.2068 | 19.87 | . | Q | . | . | . | . | V | . |
| 16.950 | 19.2339 | 19.64 | . | Q | . | . | . | . | V | . |
| 16.967 | 19.2606 | 19.41 | . | Q | . | . | . | . | V | . |
| 16.983 | 19.2870 | 19.17 | . | Q | . | . | . | . | V | . |
| 17.000 | 19.3131 | 18.96 | . | 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% | 1021.0 |
| 10% | 260.0 |
| 20% | 150.0 |
| 30% | 100.0 |
| 40% | 80.0 |
| 50% | 65.0 |
| 60% | 50.0 |
| 70% | 35.0 |
| 80% | 25.0 |
| 90% | 15.0 |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1264

Analysis prepared by:

Michael Baker International
5 Hutton Centre Drive Suite 500
Santa Ana, CA 92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA E *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 25-YR EV APRIL 2019 ROKAMOTO *

FILE NAME: 4E25EVS.DAT
TIME/DATE OF STUDY: 13:41 04/05/2019

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 810.00 TO NODE 817.00 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) = 171.00
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.174
LOW LOSS FRACTION = 0.412
TIME OF CONCENTRATION (MIN.) = 9.55
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 10
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.34
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.72
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.95
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.59
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.20
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.68

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 30.33

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 22.11

=====

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. | 101.1 | 202.1 | 303.2 | 404.3 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 10.000 | 5.4814 | 9.39 | Q | V | . | . | . |
| 10.017 | 5.4943 | 9.41 | Q | V | . | . | . |
| 10.033 | 5.5073 | 9.44 | Q | V | . | . | . |
| 10.050 | 5.5204 | 9.46 | Q | V | . | . | . |
| 10.067 | 5.5334 | 9.48 | Q | V | . | . | . |
| 10.083 | 5.5465 | 9.50 | Q | V | . | . | . |
| 10.100 | 5.5596 | 9.52 | Q | V | . | . | . |
| 10.117 | 5.5728 | 9.54 | Q | V | . | . | . |
| 10.133 | 5.5859 | 9.56 | Q | V | . | . | . |
| 10.150 | 5.5991 | 9.57 | Q | V | . | . | . |
| 10.167 | 5.6123 | 9.58 | Q | V | . | . | . |
| 10.183 | 5.6255 | 9.59 | Q | V | . | . | . |
| 10.200 | 5.6387 | 9.60 | Q | V | . | . | . |
| 10.217 | 5.6520 | 9.61 | Q | V | . | . | . |
| 10.233 | 5.6652 | 9.62 | Q | V | . | . | . |
| 10.250 | 5.6785 | 9.64 | Q | V | . | . | . |
| 10.267 | 5.6918 | 9.65 | Q | V | . | . | . |
| 10.283 | 5.7051 | 9.66 | Q | V | . | . | . |
| 10.300 | 5.7185 | 9.69 | Q | V | . | . | . |
| 10.317 | 5.7318 | 9.71 | Q | V | . | . | . |
| 10.333 | 5.7452 | 9.73 | Q | V | . | . | . |
| 10.350 | 5.7587 | 9.76 | Q | V | . | . | . |
| 10.367 | 5.7721 | 9.78 | Q | V | . | . | . |
| 10.383 | 5.7856 | 9.80 | Q | V | . | . | . |
| 10.400 | 5.7992 | 9.83 | Q | V | . | . | . |
| 10.417 | 5.8127 | 9.85 | Q | V | . | . | . |
| 10.433 | 5.8263 | 9.87 | Q | V | . | . | . |
| 10.450 | 5.8400 | 9.89 | Q | V | . | . | . |
| 10.467 | 5.8536 | 9.90 | Q | V | . | . | . |
| 10.483 | 5.8673 | 9.91 | Q | V | . | . | . |
| 10.500 | 5.8809 | 9.93 | Q | V | . | . | . |
| 10.517 | 5.8946 | 9.94 | Q | V | . | . | . |
| 10.533 | 5.9083 | 9.95 | Q | V | . | . | . |
| 10.550 | 5.9221 | 9.96 | Q | V | . | . | . |
| 10.567 | 5.9358 | 9.98 | Q | V | . | . | . |
| 10.583 | 5.9496 | 9.99 | Q | V | . | . | . |
| 10.600 | 5.9633 | 10.00 | Q | V | . | . | . |
| 10.617 | 5.9771 | 10.03 | Q | V | . | . | . |
| 10.633 | 5.9910 | 10.05 | Q | V | . | . | . |
| 10.650 | 6.0049 | 10.08 | Q | V | . | . | . |
| 10.667 | 6.0188 | 10.11 | Q | V | . | . | . |
| 10.683 | 6.0328 | 10.13 | .Q | V | . | . | . |
| 10.700 | 6.0467 | 10.16 | .Q | V | . | . | . |
| 10.717 | 6.0608 | 10.18 | .Q | V | . | . | . |
| 10.733 | 6.0748 | 10.21 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|---|---|---|---|
| 10.750 | 6.0889 | 10.24 | .Q | V | . | . | . |
| 10.767 | 6.1031 | 10.25 | .Q | V | . | . | . |
| 10.783 | 6.1172 | 10.27 | .Q | V | . | . | . |
| 10.800 | 6.1314 | 10.28 | .Q | V | . | . | . |
| 10.817 | 6.1455 | 10.29 | .Q | V | . | . | . |
| 10.833 | 6.1597 | 10.31 | .Q | V | . | . | . |
| 10.850 | 6.1740 | 10.32 | .Q | V | . | . | . |
| 10.867 | 6.1882 | 10.34 | .Q | V | . | . | . |
| 10.883 | 6.2025 | 10.35 | .Q | V | . | . | . |
| 10.900 | 6.2167 | 10.36 | .Q | V | . | . | . |
| 10.917 | 6.2310 | 10.38 | .Q | V | . | . | . |
| 10.933 | 6.2454 | 10.41 | .Q | V | . | . | . |
| 10.950 | 6.2597 | 10.44 | .Q | V | . | . | . |
| 10.967 | 6.2741 | 10.46 | .Q | V | . | . | . |
| 10.983 | 6.2886 | 10.49 | .Q | V | . | . | . |
| 11.000 | 6.3031 | 10.52 | .Q | V | . | . | . |
| 11.017 | 6.3176 | 10.55 | .Q | V | . | . | . |
| 11.033 | 6.3322 | 10.58 | .Q | V | . | . | . |
| 11.050 | 6.3468 | 10.61 | .Q | V | . | . | . |
| 11.067 | 6.3614 | 10.63 | .Q | V | . | . | . |
| 11.083 | 6.3761 | 10.66 | .Q | V | . | . | . |
| 11.100 | 6.3908 | 10.67 | .Q | V | . | . | . |
| 11.117 | 6.4055 | 10.69 | .Q | V | . | . | . |
| 11.133 | 6.4203 | 10.70 | .Q | V | . | . | . |
| 11.150 | 6.4350 | 10.72 | .Q | V | . | . | . |
| 11.167 | 6.4498 | 10.73 | .Q | V | . | . | . |
| 11.183 | 6.4646 | 10.75 | .Q | V | . | . | . |
| 11.200 | 6.4794 | 10.76 | .Q | V | . | . | . |
| 11.217 | 6.4943 | 10.78 | .Q | V | . | . | . |
| 11.233 | 6.5092 | 10.79 | .Q | V | . | . | . |
| 11.250 | 6.5241 | 10.82 | .Q | V | . | . | . |
| 11.267 | 6.5390 | 10.85 | .Q | V | . | . | . |
| 11.283 | 6.5540 | 10.89 | .Q | V | . | . | . |
| 11.300 | 6.5690 | 10.92 | .Q | V | . | . | . |
| 11.317 | 6.5841 | 10.95 | .Q | V | . | . | . |
| 11.333 | 6.5993 | 10.98 | .Q | V | . | . | . |
| 11.350 | 6.6144 | 11.01 | .Q | V | . | . | . |
| 11.367 | 6.6296 | 11.04 | .Q | V | . | . | . |
| 11.383 | 6.6449 | 11.08 | .Q | V | . | . | . |
| 11.400 | 6.6602 | 11.10 | .Q | V | . | . | . |
| 11.417 | 6.6755 | 11.12 | .Q | V | . | . | . |
| 11.433 | 6.6908 | 11.13 | .Q | V | . | . | . |
| 11.450 | 6.7062 | 11.15 | .Q | V | . | . | . |
| 11.467 | 6.7216 | 11.17 | .Q | V | . | . | . |
| 11.483 | 6.7370 | 11.18 | .Q | V | . | . | . |
| 11.500 | 6.7524 | 11.20 | .Q | V | . | . | . |
| 11.517 | 6.7679 | 11.22 | .Q | V | . | . | . |
| 11.533 | 6.7833 | 11.23 | .Q | V | . | . | . |
| 11.550 | 6.7988 | 11.25 | .Q | V | . | . | . |
| 11.567 | 6.8144 | 11.29 | .Q | V | . | . | . |
| 11.583 | 6.8300 | 11.32 | .Q | V | . | . | . |
| 11.600 | 6.8456 | 11.36 | .Q | V | . | . | . |
| 11.617 | 6.8613 | 11.39 | .Q | V | . | . | . |
| 11.633 | 6.8771 | 11.43 | .Q | V | . | . | . |
| 11.650 | 6.8928 | 11.46 | .Q | V | . | . | . |
| 11.667 | 6.9087 | 11.50 | .Q | V | . | . | . |
| 11.683 | 6.9246 | 11.53 | .Q | V | . | . | . |
| 11.700 | 6.9405 | 11.57 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|----|---|---|---|
| 11.717 | 6.9565 | 11.60 | .Q | V. | . | . | . |
| 11.733 | 6.9725 | 11.62 | .Q | V. | . | . | . |
| 11.750 | 6.9885 | 11.64 | .Q | V. | . | . | . |
| 11.767 | 7.0045 | 11.65 | .Q | V. | . | . | . |
| 11.783 | 7.0206 | 11.67 | .Q | V. | . | . | . |
| 11.800 | 7.0367 | 11.69 | .Q | V. | . | . | . |
| 11.817 | 7.0529 | 11.71 | .Q | V. | . | . | . |
| 11.833 | 7.0690 | 11.73 | .Q | V. | . | . | . |
| 11.850 | 7.0852 | 11.75 | .Q | V. | . | . | . |
| 11.867 | 7.1014 | 11.77 | .Q | V. | . | . | . |
| 11.883 | 7.1177 | 11.80 | .Q | V. | . | . | . |
| 11.900 | 7.1340 | 11.84 | .Q | V. | . | . | . |
| 11.917 | 7.1503 | 11.88 | .Q | V. | . | . | . |
| 11.933 | 7.1668 | 11.92 | .Q | V. | . | . | . |
| 11.950 | 7.1832 | 11.96 | .Q | V. | . | . | . |
| 11.967 | 7.1998 | 12.00 | .Q | V. | . | . | . |
| 11.983 | 7.2164 | 12.04 | .Q | V. | . | . | . |
| 12.000 | 7.2330 | 12.08 | .Q | V. | . | . | . |
| 12.017 | 7.2497 | 12.12 | .Q | V. | . | . | . |
| 12.033 | 7.2665 | 12.22 | .Q | V. | . | . | . |
| 12.050 | 7.2837 | 12.47 | .Q | V. | . | . | . |
| 12.067 | 7.3012 | 12.73 | .Q | V. | . | . | . |
| 12.083 | 7.3191 | 12.99 | .Q | V. | . | . | . |
| 12.100 | 7.3374 | 13.24 | .Q | V. | . | . | . |
| 12.117 | 7.3560 | 13.50 | .Q | V. | . | . | . |
| 12.133 | 7.3749 | 13.76 | .Q | V. | . | . | . |
| 12.150 | 7.3942 | 14.02 | .Q | V. | . | . | . |
| 12.167 | 7.4139 | 14.27 | .Q | V. | . | . | . |
| 12.183 | 7.4339 | 14.53 | .Q | V. | . | . | . |
| 12.200 | 7.4542 | 14.71 | .Q | V. | . | . | . |
| 12.217 | 7.4746 | 14.86 | .Q | V. | . | . | . |
| 12.233 | 7.4953 | 15.02 | .Q | V. | . | . | . |
| 12.250 | 7.5162 | 15.17 | .Q | V. | . | . | . |
| 12.267 | 7.5373 | 15.32 | .Q | V. | . | . | . |
| 12.283 | 7.5586 | 15.47 | .Q | V. | . | . | . |
| 12.300 | 7.5801 | 15.62 | .Q | V. | . | . | . |
| 12.317 | 7.6019 | 15.77 | .Q | V | . | . | . |
| 12.333 | 7.6238 | 15.92 | .Q | V | . | . | . |
| 12.350 | 7.6459 | 16.04 | .Q | V | . | . | . |
| 12.367 | 7.6680 | 16.08 | .Q | V | . | . | . |
| 12.383 | 7.6902 | 16.10 | .Q | V | . | . | . |
| 12.400 | 7.7124 | 16.13 | .Q | V | . | . | . |
| 12.417 | 7.7347 | 16.16 | .Q | V | . | . | . |
| 12.433 | 7.7570 | 16.18 | .Q | V | . | . | . |
| 12.450 | 7.7793 | 16.21 | .Q | V | . | . | . |
| 12.467 | 7.8017 | 16.23 | .Q | V | . | . | . |
| 12.483 | 7.8241 | 16.26 | .Q | V | . | . | . |
| 12.500 | 7.8465 | 16.28 | .Q | V | . | . | . |
| 12.517 | 7.8690 | 16.33 | .Q | V | . | . | . |
| 12.533 | 7.8915 | 16.38 | .Q | V | . | . | . |
| 12.550 | 7.9142 | 16.44 | .Q | V | . | . | . |
| 12.567 | 7.9369 | 16.49 | .Q | V | . | . | . |
| 12.583 | 7.9597 | 16.55 | .Q | V | . | . | . |
| 12.600 | 7.9826 | 16.60 | .Q | V | . | . | . |
| 12.617 | 8.0055 | 16.66 | .Q | V | . | . | . |
| 12.633 | 8.0285 | 16.71 | .Q | V | . | . | . |
| 12.650 | 8.0516 | 16.77 | .Q | V | . | . | . |
| 12.667 | 8.0748 | 16.82 | .Q | V | . | . | . |

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|--------|--------|-------|----|----|---|---|---|
| 12.683 | 8.0980 | 16.85 | .Q | V | . | . | . |
| 12.700 | 8.1212 | 16.88 | .Q | V | . | . | . |
| 12.717 | 8.1445 | 16.91 | .Q | V | . | . | . |
| 12.733 | 8.1679 | 16.94 | .Q | V | . | . | . |
| 12.750 | 8.1912 | 16.97 | .Q | V | . | . | . |
| 12.767 | 8.2147 | 17.00 | .Q | V | . | . | . |
| 12.783 | 8.2381 | 17.03 | .Q | V | . | . | . |
| 12.800 | 8.2616 | 17.06 | .Q | V | . | . | . |
| 12.817 | 8.2851 | 17.09 | .Q | V | . | . | . |
| 12.833 | 8.3087 | 17.13 | .Q | V | . | . | . |
| 12.850 | 8.3324 | 17.20 | .Q | V | . | . | . |
| 12.867 | 8.3562 | 17.26 | .Q | .V | . | . | . |
| 12.883 | 8.3801 | 17.32 | .Q | .V | . | . | . |
| 12.900 | 8.4040 | 17.39 | .Q | .V | . | . | . |
| 12.917 | 8.4281 | 17.45 | .Q | .V | . | . | . |
| 12.933 | 8.4522 | 17.51 | .Q | .V | . | . | . |
| 12.950 | 8.4764 | 17.58 | .Q | .V | . | . | . |
| 12.967 | 8.5007 | 17.64 | .Q | .V | . | . | . |
| 12.983 | 8.5251 | 17.70 | .Q | .V | . | . | . |
| 13.000 | 8.5495 | 17.74 | .Q | .V | . | . | . |
| 13.017 | 8.5740 | 17.78 | .Q | .V | . | . | . |
| 13.033 | 8.5985 | 17.81 | .Q | .V | . | . | . |
| 13.050 | 8.6231 | 17.84 | .Q | .V | . | . | . |
| 13.067 | 8.6477 | 17.88 | .Q | .V | . | . | . |
| 13.083 | 8.6724 | 17.91 | .Q | .V | . | . | . |
| 13.100 | 8.6971 | 17.95 | .Q | .V | . | . | . |
| 13.117 | 8.7219 | 17.98 | .Q | .V | . | . | . |
| 13.133 | 8.7467 | 18.02 | .Q | .V | . | . | . |
| 13.150 | 8.7716 | 18.07 | .Q | .V | . | . | . |
| 13.167 | 8.7966 | 18.14 | .Q | .V | . | . | . |
| 13.183 | 8.8217 | 18.22 | .Q | .V | . | . | . |
| 13.200 | 8.8469 | 18.29 | .Q | .V | . | . | . |
| 13.217 | 8.8722 | 18.36 | .Q | .V | . | . | . |
| 13.233 | 8.8976 | 18.44 | .Q | .V | . | . | . |
| 13.250 | 8.9231 | 18.51 | .Q | .V | . | . | . |
| 13.267 | 8.9487 | 18.59 | .Q | .V | . | . | . |
| 13.283 | 8.9744 | 18.66 | .Q | .V | . | . | . |
| 13.300 | 9.0002 | 18.73 | .Q | .V | . | . | . |
| 13.317 | 9.0260 | 18.78 | .Q | .V | . | . | . |
| 13.333 | 9.0520 | 18.82 | .Q | .V | . | . | . |
| 13.350 | 9.0780 | 18.86 | .Q | .V | . | . | . |
| 13.367 | 9.1040 | 18.90 | .Q | .V | . | . | . |
| 13.383 | 9.1301 | 18.94 | .Q | .V | . | . | . |
| 13.400 | 9.1562 | 18.98 | .Q | .V | . | . | . |
| 13.417 | 9.1824 | 19.03 | .Q | .V | . | . | . |
| 13.433 | 9.2087 | 19.07 | .Q | .V | . | . | . |
| 13.450 | 9.2350 | 19.11 | .Q | .V | . | . | . |
| 13.467 | 9.2614 | 19.16 | .Q | .V | . | . | . |
| 13.483 | 9.2879 | 19.25 | .Q | .V | . | . | . |
| 13.500 | 9.3146 | 19.34 | .Q | .V | . | . | . |
| 13.517 | 9.3413 | 19.43 | .Q | .V | . | . | . |
| 13.533 | 9.3682 | 19.52 | .Q | .V | . | . | . |
| 13.550 | 9.3952 | 19.61 | .Q | .V | . | . | . |
| 13.567 | 9.4223 | 19.70 | .Q | .V | . | . | . |
| 13.583 | 9.4496 | 19.78 | .Q | .V | . | . | . |
| 13.600 | 9.4770 | 19.87 | .Q | .V | . | . | . |
| 13.617 | 9.5045 | 19.96 | .Q | .V | . | . | . |
| 13.633 | 9.5320 | 20.02 | .Q | .V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 9.5597 | 20.07 | .Q | . V | . | . | . |
| 13.667 | 9.5874 | 20.12 | .Q | . V | . | . | . |
| 13.683 | 9.6152 | 20.17 | .Q | . V | . | . | . |
| 13.700 | 9.6430 | 20.22 | . Q | . V | . | . | . |
| 13.717 | 9.6709 | 20.27 | . Q | . V | . | . | . |
| 13.733 | 9.6989 | 20.31 | . Q | . V | . | . | . |
| 13.750 | 9.7270 | 20.36 | . Q | . V | . | . | . |
| 13.767 | 9.7551 | 20.41 | . Q | . V | . | . | . |
| 13.783 | 9.7833 | 20.48 | . Q | . V | . | . | . |
| 13.800 | 9.8116 | 20.58 | . Q | . V | . | . | . |
| 13.817 | 9.8401 | 20.69 | . Q | . V | . | . | . |
| 13.833 | 9.8688 | 20.80 | . Q | . V | . | . | . |
| 13.850 | 9.8976 | 20.91 | . Q | . V | . | . | . |
| 13.867 | 9.9265 | 21.02 | . Q | . V | . | . | . |
| 13.883 | 9.9556 | 21.13 | . Q | . V | . | . | . |
| 13.900 | 9.9849 | 21.23 | . Q | . V | . | . | . |
| 13.917 | 10.0143 | 21.34 | . Q | . V | . | . | . |
| 13.933 | 10.0438 | 21.45 | . Q | . V | . | . | . |
| 13.950 | 10.0735 | 21.53 | . Q | . V | . | . | . |
| 13.967 | 10.1032 | 21.59 | . Q | . V | . | . | . |
| 13.983 | 10.1330 | 21.65 | . Q | . V | . | . | . |
| 14.000 | 10.1629 | 21.71 | . Q | . V | . | . | . |
| 14.017 | 10.1929 | 21.77 | . Q | . V | . | . | . |
| 14.033 | 10.2230 | 21.83 | . Q | . V | . | . | . |
| 14.050 | 10.2532 | 21.89 | . Q | . V | . | . | . |
| 14.067 | 10.2834 | 21.95 | . Q | . V | . | . | . |
| 14.083 | 10.3137 | 22.01 | . Q | . V | . | . | . |
| 14.100 | 10.3441 | 22.09 | . Q | . V | . | . | . |
| 14.117 | 10.3748 | 22.22 | . Q | . V | . | . | . |
| 14.133 | 10.4055 | 22.36 | . Q | . V | . | . | . |
| 14.150 | 10.4365 | 22.50 | . Q | . V | . | . | . |
| 14.167 | 10.4677 | 22.64 | . Q | . V | . | . | . |
| 14.183 | 10.4991 | 22.77 | . Q | . V | . | . | . |
| 14.200 | 10.5306 | 22.91 | . Q | . V | . | . | . |
| 14.217 | 10.5624 | 23.05 | . Q | . V | . | . | . |
| 14.233 | 10.5943 | 23.19 | . Q | . V | . | . | . |
| 14.250 | 10.6265 | 23.33 | . Q | . V | . | . | . |
| 14.267 | 10.6588 | 23.43 | . Q | . V | . | . | . |
| 14.283 | 10.6911 | 23.51 | . Q | . V | . | . | . |
| 14.300 | 10.7236 | 23.59 | . Q | . V | . | . | . |
| 14.317 | 10.7562 | 23.67 | . Q | . V | . | . | . |
| 14.333 | 10.7889 | 23.74 | . Q | . V | . | . | . |
| 14.350 | 10.8218 | 23.82 | . Q | . V | . | . | . |
| 14.367 | 10.8547 | 23.90 | . Q | . V | . | . | . |
| 14.383 | 10.8877 | 23.98 | . Q | . V | . | . | . |
| 14.400 | 10.9208 | 24.06 | . Q | . V | . | . | . |
| 14.417 | 10.9541 | 24.15 | . Q | . V | . | . | . |
| 14.433 | 10.9876 | 24.31 | . Q | . V | . | . | . |
| 14.450 | 11.0213 | 24.49 | . Q | . V | . | . | . |
| 14.467 | 11.0553 | 24.67 | . Q | . V | . | . | . |
| 14.483 | 11.0895 | 24.85 | . Q | . V | . | . | . |
| 14.500 | 11.1240 | 25.03 | . Q | . V | . | . | . |
| 14.517 | 11.1587 | 25.21 | . Q | . V | . | . | . |
| 14.533 | 11.1937 | 25.39 | . Q | . V | . | . | . |
| 14.550 | 11.2289 | 25.57 | . Q | . V | . | . | . |
| 14.567 | 11.2644 | 25.75 | . Q | . V | . | . | . |
| 14.583 | 11.3001 | 25.90 | . Q | . V | . | . | . |
| 14.600 | 11.3359 | 26.00 | . Q | . V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 14.617 | 11.3719 | 26.11 | . Q | . V | . | . | . |
| 14.633 | 11.4080 | 26.21 | . Q | . V | . | . | . |
| 14.650 | 11.4442 | 26.32 | . Q | . V | . | . | . |
| 14.667 | 11.4806 | 26.42 | . Q | . V | . | . | . |
| 14.683 | 11.5171 | 26.53 | . Q | . V | . | . | . |
| 14.700 | 11.5538 | 26.63 | . Q | . V | . | . | . |
| 14.717 | 11.5906 | 26.73 | . Q | . V | . | . | . |
| 14.733 | 11.6276 | 26.85 | . Q | . V | . | . | . |
| 14.750 | 11.6649 | 27.08 | . Q | . V | . | . | . |
| 14.767 | 11.7026 | 27.33 | . Q | . V | . | . | . |
| 14.783 | 11.7405 | 27.58 | . Q | . V | . | . | . |
| 14.800 | 11.7789 | 27.83 | . Q | . V | . | . | . |
| 14.817 | 11.8175 | 28.08 | . Q | . V | . | . | . |
| 14.833 | 11.8566 | 28.33 | . Q | . V | . | . | . |
| 14.850 | 11.8959 | 28.58 | . Q | . V | . | . | . |
| 14.867 | 11.9356 | 28.83 | . Q | . V | . | . | . |
| 14.883 | 11.9757 | 29.08 | . Q | . V | . | . | . |
| 14.900 | 12.0160 | 29.29 | . Q | . V | . | . | . |
| 14.917 | 12.0566 | 29.44 | . Q | . V | . | . | . |
| 14.933 | 12.0973 | 29.60 | . Q | . V | . | . | . |
| 14.950 | 12.1383 | 29.75 | . Q | . V | . | . | . |
| 14.967 | 12.1795 | 29.90 | . Q | . V | . | . | . |
| 14.983 | 12.2209 | 30.05 | . Q | . V | . | . | . |
| 15.000 | 12.2625 | 30.20 | . Q | . V | . | . | . |
| 15.017 | 12.3043 | 30.35 | . Q | . V | . | . | . |
| 15.033 | 12.3463 | 30.51 | . Q | . V | . | . | . |
| 15.050 | 12.3886 | 30.67 | . Q | . V | . | . | . |
| 15.067 | 12.4313 | 30.99 | . Q | . V | . | . | . |
| 15.083 | 12.4745 | 31.38 | . Q | . V | . | . | . |
| 15.100 | 12.5182 | 31.76 | . Q | . V | . | . | . |
| 15.117 | 12.5625 | 32.14 | . Q | . V | . | . | . |
| 15.133 | 12.6073 | 32.52 | . Q | . V | . | . | . |
| 15.150 | 12.6526 | 32.91 | . Q | . V | . | . | . |
| 15.167 | 12.6985 | 33.29 | . Q | . V | . | . | . |
| 15.183 | 12.7449 | 33.67 | . Q | . V | . | . | . |
| 15.200 | 12.7918 | 34.05 | . Q | . V | . | . | . |
| 15.217 | 12.8391 | 34.40 | . Q | . V | . | . | . |
| 15.233 | 12.8869 | 34.65 | . Q | . V | . | . | . |
| 15.250 | 12.9349 | 34.90 | . Q | . V | . | . | . |
| 15.267 | 12.9833 | 35.14 | . Q | . V | . | . | . |
| 15.283 | 13.0321 | 35.39 | . Q | . V | . | . | . |
| 15.300 | 13.0812 | 35.64 | . Q | . V | . | . | . |
| 15.317 | 13.1306 | 35.89 | . Q | . V | . | . | . |
| 15.333 | 13.1804 | 36.14 | . Q | . V | . | . | . |
| 15.350 | 13.2305 | 36.38 | . Q | . V | . | . | . |
| 15.367 | 13.2810 | 36.63 | . Q | . V | . | . | . |
| 15.383 | 13.3316 | 36.75 | . Q | . V | . | . | . |
| 15.400 | 13.3823 | 36.81 | . Q | . V | . | . | . |
| 15.417 | 13.4331 | 36.87 | . Q | . V | . | . | . |
| 15.433 | 13.4839 | 36.93 | . Q | . V | . | . | . |
| 15.450 | 13.5349 | 36.99 | . Q | . V | . | . | . |
| 15.467 | 13.5859 | 37.05 | . Q | . V | . | . | . |
| 15.483 | 13.6370 | 37.11 | . Q | . V | . | . | . |
| 15.500 | 13.6882 | 37.18 | . Q | . V | . | . | . |
| 15.517 | 13.7395 | 37.24 | . Q | . V | . | . | . |
| 15.533 | 13.7911 | 37.45 | . Q | . V | . | . | . |
| 15.550 | 13.8437 | 38.19 | . Q | . V | . | . | . |
| 15.567 | 13.8974 | 38.98 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|--------|---|---|-----|---|---|
| 15.583 | 13.9522 | 39.77 | . Q | . | V | . | . |
| 15.600 | 14.0081 | 40.55 | . Q | . | V | . | . |
| 15.617 | 14.0650 | 41.34 | . Q | . | V | . | . |
| 15.633 | 14.1230 | 42.13 | . Q | . | V | . | . |
| 15.650 | 14.1821 | 42.91 | . Q | . | V | . | . |
| 15.667 | 14.2423 | 43.70 | . Q | . | V | . | . |
| 15.683 | 14.3036 | 44.50 | . Q | . | V | . | . |
| 15.700 | 14.3684 | 47.00 | . Q | . | V | . | . |
| 15.717 | 14.4381 | 50.67 | . Q | . | V | . | . |
| 15.733 | 14.5130 | 54.34 | . Q | . | V | . | . |
| 15.750 | 14.5929 | 58.02 | . Q | . | V | . | . |
| 15.767 | 14.6779 | 61.69 | . Q | . | V | . | . |
| 15.783 | 14.7679 | 65.36 | . Q | . | V | . | . |
| 15.800 | 14.8630 | 69.03 | . Q | . | V | . | . |
| 15.817 | 14.9631 | 72.70 | . Q | . | V | . | . |
| 15.833 | 15.0683 | 76.37 | . Q | . | V | . | . |
| 15.850 | 15.1786 | 80.10 | . Q | . | V | . | . |
| 15.867 | 15.2945 | 84.10 | . Q | . | V | . | . |
| 15.883 | 15.4159 | 88.13 | . Q | . | V | . | . |
| 15.900 | 15.5428 | 92.17 | . Q | . | V | . | . |
| 15.917 | 15.6753 | 96.20 | . Q | . | V | . | . |
| 15.933 | 15.8134 | 100.24 | . Q | . | V | . | . |
| 15.950 | 15.9570 | 104.27 | . Q | . | .V | . | . |
| 15.967 | 16.1062 | 108.31 | . Q | . | .V | . | . |
| 15.983 | 16.2609 | 112.34 | . .Q | . | .V | . | . |
| 16.000 | 16.4212 | 116.38 | . .Q | . | .V | . | . |
| 16.017 | 16.6049 | 133.36 | . . Q | . | .V | . | . |
| 16.033 | 16.8299 | 163.30 | . . . Q | . | .V | . | . |
| 16.050 | 17.0960 | 193.24 | Q | . | .V | . | . |
| 16.067 | 17.4034 | 223.17 | Q | . | . | . | . |
| 16.083 | 17.7521 | 253.11 | V Q | . | . | . | . |
| 16.100 | 18.1420 | 283.05 | V | . | . Q | . | . |
| 16.117 | 18.5731 | 312.99 | V | . | . Q | . | . |
| 16.133 | 19.0454 | 342.92 | V | . | . Q | . | . |
| 16.150 | 19.5590 | 372.86 | V | . | . Q | . | . |
| 16.167 | 20.1159 | 404.29 | V | . | . Q | . | . |
| 16.183 | 20.6252 | 369.76 | V | . | . Q | . | . |
| 16.200 | 21.0844 | 333.41 | V | . | . Q | . | . |
| 16.217 | 21.4936 | 297.06 | VQ | . | . | . | . |
| 16.233 | 21.8527 | 260.71 | Q | . | . V | . | . |
| 16.250 | 22.1617 | 224.36 | Q | . | . V | . | . |
| 16.267 | 22.4207 | 188.01 | Q | . | . V | . | . |
| 16.283 | 22.6296 | 151.66 | Q | . | . V | . | . |
| 16.300 | 22.7884 | 115.31 | Q | . | . V | . | . |
| 16.317 | 22.8972 | 78.96 | Q | . | . V | . | . |
| 16.333 | 22.9750 | 56.52 | . Q | . | . V | . | . |
| 16.350 | 23.0499 | 54.33 | . Q | . | . V | . | . |
| 16.367 | 23.1219 | 52.32 | . Q | . | . V | . | . |
| 16.383 | 23.1912 | 50.31 | . Q | . | . V | . | . |
| 16.400 | 23.2578 | 48.30 | . Q | . | . V | . | . |
| 16.417 | 23.3215 | 46.28 | . Q | . | . V | . | . |
| 16.433 | 23.3825 | 44.27 | . Q | . | . V | . | . |
| 16.450 | 23.4407 | 42.26 | . Q | . | . V | . | . |
| 16.467 | 23.4961 | 40.25 | . Q | . | . V | . | . |
| 16.483 | 23.5489 | 38.32 | . Q | . | .V | . | . |
| 16.500 | 23.6005 | 37.44 | . Q | . | .V | . | . |
| 16.517 | 23.6513 | 36.86 | . Q | . | .V | . | . |
| 16.533 | 23.7012 | 36.27 | . Q | . | .V | . | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|----|---|
| 16.550 | 23.7504 | 35.69 | . Q | . | . | .V | . |
| 16.567 | 23.7987 | 35.11 | . Q | . | . | .V | . |
| 16.583 | 23.8463 | 34.52 | . Q | . | . | .V | . |
| 16.600 | 23.8930 | 33.94 | . Q | . | . | .V | . |
| 16.617 | 23.9390 | 33.36 | . Q | . | . | .V | . |
| 16.633 | 23.9841 | 32.77 | . Q | . | . | .V | . |
| 16.650 | 24.0285 | 32.23 | . Q | . | . | .V | . |
| 16.667 | 24.0723 | 31.77 | . Q | . | . | .V | . |
| 16.683 | 24.1154 | 31.31 | . Q | . | . | .V | . |
| 16.700 | 24.1579 | 30.85 | . Q | . | . | .V | . |
| 16.717 | 24.1998 | 30.39 | . Q | . | . | .V | . |
| 16.733 | 24.2410 | 29.93 | . Q | . | . | .V | . |
| 16.750 | 24.2816 | 29.47 | . Q | . | . | .V | . |
| 16.767 | 24.3215 | 29.01 | . Q | . | . | .V | . |
| 16.783 | 24.3608 | 28.55 | . Q | . | . | .V | . |
| 16.800 | 24.3995 | 28.09 | . Q | . | . | .V | . |
| 16.817 | 24.4377 | 27.73 | . Q | . | . | .V | . |
| 16.833 | 24.4755 | 27.42 | . Q | . | . | .V | . |
| 16.850 | 24.5128 | 27.10 | . Q | . | . | .V | . |
| 16.867 | 24.5497 | 26.78 | . Q | . | . | .V | . |
| 16.883 | 24.5862 | 26.47 | . Q | . | . | .V | . |
| 16.900 | 24.6222 | 26.15 | . Q | . | . | .V | . |
| 16.917 | 24.6578 | 25.84 | . Q | . | . | .V | . |
| 16.933 | 24.6929 | 25.52 | . Q | . | . | .V | . |
| 16.950 | 24.7277 | 25.20 | . Q | . | . | .V | . |
| 16.967 | 24.7620 | 24.91 | . Q | . | . | .V | . |
| 16.983 | 24.7959 | 24.67 | . Q | . | . | .V | . |
| 17.000 | 24.8296 | 24.43 | . 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% | 1021.0 |
| 10% | 260.0 |
| 20% | 135.0 |
| 30% | 85.0 |
| 40% | 75.0 |
| 50% | 60.0 |
| 60% | 50.0 |
| 70% | 40.0 |
| 80% | 25.0 |
| 90% | 15.0 |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1264

Analysis prepared by:

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5 Hutton Centre Drive Suite 500
Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA E *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 50-YR EV MARCH 2019 CCHIU *

FILE NAME: 4E50EVS.DAT
TIME/DATE OF STUDY: 14:52 03/13/2019

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 810.00 TO NODE 817.00 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) = 171.00
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.174
LOW LOSS FRACTION = 0.391
TIME OF CONCENTRATION (MIN.) = 9.43
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 15
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.37
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.80
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.06
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.78
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.47
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 35.03

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 23.68

=====

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. | 112.3 | 224.6 | 337.0 | 449.3 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 10.000 | 6.3767 | 10.85 | Q | V | . | . | . |
| 10.017 | 6.3917 | 10.86 | Q | V | . | . | . |
| 10.033 | 6.4066 | 10.88 | Q | V | . | . | . |
| 10.050 | 6.4217 | 10.90 | Q | V | . | . | . |
| 10.067 | 6.4367 | 10.93 | Q | V | . | . | . |
| 10.083 | 6.4518 | 10.95 | Q | V | . | . | . |
| 10.100 | 6.4669 | 10.98 | Q | V | . | . | . |
| 10.117 | 6.4821 | 11.00 | Q | V | . | . | . |
| 10.133 | 6.4973 | 11.03 | Q | V | . | . | . |
| 10.150 | 6.5125 | 11.05 | Q | V | . | . | . |
| 10.167 | 6.5277 | 11.08 | Q | V | . | . | . |
| 10.183 | 6.5430 | 11.10 | Q | V | . | . | . |
| 10.200 | 6.5584 | 11.13 | Q | V | . | . | . |
| 10.217 | 6.5737 | 11.14 | Q | V | . | . | . |
| 10.233 | 6.5891 | 11.15 | Q | V | . | . | . |
| 10.250 | 6.6044 | 11.17 | Q | V | . | . | . |
| 10.267 | 6.6198 | 11.18 | Q | V | . | . | . |
| 10.283 | 6.6353 | 11.19 | Q | V | . | . | . |
| 10.300 | 6.6507 | 11.21 | Q | V | . | . | . |
| 10.317 | 6.6661 | 11.22 | Q | V | . | . | . |
| 10.333 | 6.6816 | 11.23 | Q | V | . | . | . |
| 10.350 | 6.6971 | 11.25 | .Q | V | . | . | . |
| 10.367 | 6.7126 | 11.27 | .Q | V | . | . | . |
| 10.383 | 6.7282 | 11.30 | .Q | V | . | . | . |
| 10.400 | 6.7438 | 11.33 | .Q | V | . | . | . |
| 10.417 | 6.7594 | 11.36 | .Q | V | . | . | . |
| 10.433 | 6.7751 | 11.38 | .Q | V | . | . | . |
| 10.450 | 6.7909 | 11.41 | .Q | V | . | . | . |
| 10.467 | 6.8066 | 11.44 | .Q | V | . | . | . |
| 10.483 | 6.8224 | 11.47 | .Q | V | . | . | . |
| 10.500 | 6.8382 | 11.50 | .Q | V | . | . | . |
| 10.517 | 6.8541 | 11.52 | .Q | V | . | . | . |
| 10.533 | 6.8700 | 11.53 | .Q | V | . | . | . |
| 10.550 | 6.8859 | 11.55 | .Q | V | . | . | . |
| 10.567 | 6.9018 | 11.56 | .Q | V | . | . | . |
| 10.583 | 6.9178 | 11.58 | .Q | V | . | . | . |
| 10.600 | 6.9337 | 11.59 | .Q | V | . | . | . |
| 10.617 | 6.9497 | 11.60 | .Q | V | . | . | . |
| 10.633 | 6.9657 | 11.62 | .Q | V | . | . | . |
| 10.650 | 6.9817 | 11.63 | .Q | V | . | . | . |
| 10.667 | 6.9978 | 11.65 | .Q | V | . | . | . |
| 10.683 | 7.0139 | 11.68 | .Q | V | . | . | . |
| 10.700 | 7.0300 | 11.71 | .Q | V | . | . | . |
| 10.717 | 7.0462 | 11.74 | .Q | V | . | . | . |
| 10.733 | 7.0624 | 11.77 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|---|---|---|---|
| 10.750 | 7.0787 | 11.80 | .Q | V | . | . | . |
| 10.767 | 7.0950 | 11.83 | .Q | V | . | . | . |
| 10.783 | 7.1113 | 11.87 | .Q | V | . | . | . |
| 10.800 | 7.1277 | 11.90 | .Q | V | . | . | . |
| 10.817 | 7.1441 | 11.93 | .Q | V | . | . | . |
| 10.833 | 7.1606 | 11.95 | .Q | V | . | . | . |
| 10.850 | 7.1770 | 11.96 | .Q | V | . | . | . |
| 10.867 | 7.1935 | 11.98 | .Q | V | . | . | . |
| 10.883 | 7.2101 | 12.00 | .Q | V | . | . | . |
| 10.900 | 7.2266 | 12.01 | .Q | V | . | . | . |
| 10.917 | 7.2432 | 12.03 | .Q | V | . | . | . |
| 10.933 | 7.2598 | 12.04 | .Q | V | . | . | . |
| 10.950 | 7.2764 | 12.06 | .Q | V | . | . | . |
| 10.967 | 7.2930 | 12.08 | .Q | V | . | . | . |
| 10.983 | 7.3097 | 12.10 | .Q | V | . | . | . |
| 11.000 | 7.3264 | 12.13 | .Q | V | . | . | . |
| 11.017 | 7.3431 | 12.16 | .Q | V | . | . | . |
| 11.033 | 7.3599 | 12.20 | .Q | V | . | . | . |
| 11.050 | 7.3768 | 12.23 | .Q | V | . | . | . |
| 11.067 | 7.3937 | 12.27 | .Q | V | . | . | . |
| 11.083 | 7.4106 | 12.30 | .Q | V | . | . | . |
| 11.100 | 7.4276 | 12.33 | .Q | V | . | . | . |
| 11.117 | 7.4446 | 12.37 | .Q | V | . | . | . |
| 11.133 | 7.4617 | 12.40 | .Q | V | . | . | . |
| 11.150 | 7.4788 | 12.42 | .Q | V | . | . | . |
| 11.167 | 7.4960 | 12.44 | .Q | V | . | . | . |
| 11.183 | 7.5131 | 12.46 | .Q | V | . | . | . |
| 11.200 | 7.5303 | 12.47 | .Q | V | . | . | . |
| 11.217 | 7.5475 | 12.49 | .Q | V | . | . | . |
| 11.233 | 7.5647 | 12.51 | .Q | V | . | . | . |
| 11.250 | 7.5820 | 12.53 | .Q | V | . | . | . |
| 11.267 | 7.5993 | 12.55 | .Q | V | . | . | . |
| 11.283 | 7.6166 | 12.56 | .Q | V | . | . | . |
| 11.300 | 7.6339 | 12.59 | .Q | V | . | . | . |
| 11.317 | 7.6513 | 12.63 | .Q | V | . | . | . |
| 11.333 | 7.6688 | 12.66 | .Q | V | . | . | . |
| 11.350 | 7.6863 | 12.70 | .Q | V | . | . | . |
| 11.367 | 7.7038 | 12.74 | .Q | V | . | . | . |
| 11.383 | 7.7214 | 12.78 | .Q | V | . | . | . |
| 11.400 | 7.7390 | 12.81 | .Q | V | . | . | . |
| 11.417 | 7.7568 | 12.85 | .Q | V | . | . | . |
| 11.433 | 7.7745 | 12.89 | .Q | V | . | . | . |
| 11.450 | 7.7923 | 12.92 | .Q | V | . | . | . |
| 11.467 | 7.8101 | 12.95 | .Q | V | . | . | . |
| 11.483 | 7.8280 | 12.97 | .Q | V | . | . | . |
| 11.500 | 7.8459 | 12.99 | .Q | V | . | . | . |
| 11.517 | 7.8638 | 13.01 | .Q | V | . | . | . |
| 11.533 | 7.8817 | 13.03 | .Q | V | . | . | . |
| 11.550 | 7.8997 | 13.05 | .Q | V | . | . | . |
| 11.567 | 7.9177 | 13.07 | .Q | V | . | . | . |
| 11.583 | 7.9357 | 13.09 | .Q | V | . | . | . |
| 11.600 | 7.9538 | 13.10 | .Q | V | . | . | . |
| 11.617 | 7.9719 | 13.14 | .Q | V | . | . | . |
| 11.633 | 7.9900 | 13.18 | .Q | V | . | . | . |
| 11.650 | 8.0082 | 13.22 | .Q | V | . | . | . |
| 11.667 | 8.0265 | 13.26 | .Q | V | . | . | . |
| 11.683 | 8.0448 | 13.30 | .Q | V | . | . | . |
| 11.700 | 8.0632 | 13.35 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|----|---|---|---|
| 11.717 | 8.0817 | 13.39 | .Q | V. | . | . | . |
| 11.733 | 8.1002 | 13.43 | .Q | V. | . | . | . |
| 11.750 | 8.1187 | 13.47 | .Q | V. | . | . | . |
| 11.767 | 8.1373 | 13.51 | .Q | V. | . | . | . |
| 11.783 | 8.1560 | 13.53 | .Q | V. | . | . | . |
| 11.800 | 8.1746 | 13.56 | .Q | V. | . | . | . |
| 11.817 | 8.1933 | 13.58 | .Q | V. | . | . | . |
| 11.833 | 8.2121 | 13.60 | .Q | V. | . | . | . |
| 11.850 | 8.2308 | 13.62 | .Q | V. | . | . | . |
| 11.867 | 8.2496 | 13.65 | .Q | V. | . | . | . |
| 11.883 | 8.2685 | 13.67 | .Q | V. | . | . | . |
| 11.900 | 8.2873 | 13.69 | .Q | V. | . | . | . |
| 11.917 | 8.3062 | 13.71 | .Q | V. | . | . | . |
| 11.933 | 8.3252 | 13.80 | .Q | V. | . | . | . |
| 11.950 | 8.3444 | 13.92 | .Q | V. | . | . | . |
| 11.967 | 8.3637 | 14.05 | .Q | V. | . | . | . |
| 11.983 | 8.3833 | 14.17 | .Q | V. | . | . | . |
| 12.000 | 8.4029 | 14.29 | .Q | V. | . | . | . |
| 12.017 | 8.4228 | 14.41 | .Q | V. | . | . | . |
| 12.033 | 8.4428 | 14.53 | .Q | V. | . | . | . |
| 12.050 | 8.4630 | 14.66 | .Q | V. | . | . | . |
| 12.067 | 8.4833 | 14.78 | .Q | V. | . | . | . |
| 12.083 | 8.5040 | 14.97 | .Q | V. | . | . | . |
| 12.100 | 8.5251 | 15.34 | .Q | V. | . | . | . |
| 12.117 | 8.5467 | 15.71 | .Q | V. | . | . | . |
| 12.133 | 8.5689 | 16.09 | .Q | V. | . | . | . |
| 12.150 | 8.5916 | 16.46 | .Q | V. | . | . | . |
| 12.167 | 8.6148 | 16.84 | .Q | V. | . | . | . |
| 12.183 | 8.6385 | 17.21 | .Q | V. | . | . | . |
| 12.200 | 8.6627 | 17.59 | .Q | V. | . | . | . |
| 12.217 | 8.6875 | 17.97 | .Q | V. | . | . | . |
| 12.233 | 8.7127 | 18.33 | .Q | V. | . | . | . |
| 12.250 | 8.7381 | 18.46 | .Q | V. | . | . | . |
| 12.267 | 8.7636 | 18.51 | .Q | V | . | . | . |
| 12.283 | 8.7892 | 18.57 | .Q | V | . | . | . |
| 12.300 | 8.8149 | 18.63 | .Q | V | . | . | . |
| 12.317 | 8.8406 | 18.68 | .Q | V | . | . | . |
| 12.333 | 8.8664 | 18.74 | .Q | V | . | . | . |
| 12.350 | 8.8923 | 18.80 | .Q | V | . | . | . |
| 12.367 | 8.9183 | 18.86 | .Q | V | . | . | . |
| 12.383 | 8.9443 | 18.91 | .Q | V | . | . | . |
| 12.400 | 8.9704 | 18.96 | .Q | V | . | . | . |
| 12.417 | 8.9966 | 18.99 | .Q | V | . | . | . |
| 12.433 | 9.0228 | 19.02 | .Q | V | . | . | . |
| 12.450 | 9.0490 | 19.05 | .Q | V | . | . | . |
| 12.467 | 9.0753 | 19.08 | .Q | V | . | . | . |
| 12.483 | 9.1017 | 19.11 | .Q | V | . | . | . |
| 12.500 | 9.1280 | 19.14 | .Q | V | . | . | . |
| 12.517 | 9.1544 | 19.17 | .Q | V | . | . | . |
| 12.533 | 9.1809 | 19.21 | .Q | V | . | . | . |
| 12.550 | 9.2074 | 19.24 | .Q | V | . | . | . |
| 12.567 | 9.2340 | 19.30 | .Q | V | . | . | . |
| 12.583 | 9.2607 | 19.36 | .Q | V | . | . | . |
| 12.600 | 9.2874 | 19.43 | .Q | V | . | . | . |
| 12.617 | 9.3143 | 19.50 | .Q | V | . | . | . |
| 12.633 | 9.3412 | 19.56 | .Q | V | . | . | . |
| 12.650 | 9.3682 | 19.63 | .Q | V | . | . | . |
| 12.667 | 9.3954 | 19.69 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.683 | 9.4226 | 19.76 | .Q | V | . | . | . |
| 12.700 | 9.4499 | 19.82 | .Q | V | . | . | . |
| 12.717 | 9.4773 | 19.87 | .Q | V | . | . | . |
| 12.733 | 9.5047 | 19.91 | .Q | V | . | . | . |
| 12.750 | 9.5321 | 19.94 | .Q | V | . | . | . |
| 12.767 | 9.5597 | 19.98 | .Q | V | . | . | . |
| 12.783 | 9.5872 | 20.01 | .Q | V | . | . | . |
| 12.800 | 9.6148 | 20.05 | .Q | V | . | . | . |
| 12.817 | 9.6425 | 20.08 | .Q | .V | . | . | . |
| 12.833 | 9.6702 | 20.12 | .Q | .V | . | . | . |
| 12.850 | 9.6979 | 20.15 | .Q | .V | . | . | . |
| 12.867 | 9.7258 | 20.19 | .Q | .V | . | . | . |
| 12.883 | 9.7537 | 20.26 | .Q | .V | . | . | . |
| 12.900 | 9.7817 | 20.34 | .Q | .V | . | . | . |
| 12.917 | 9.8098 | 20.42 | .Q | .V | . | . | . |
| 12.933 | 9.8380 | 20.49 | .Q | .V | . | . | . |
| 12.950 | 9.8664 | 20.57 | .Q | .V | . | . | . |
| 12.967 | 9.8948 | 20.64 | .Q | .V | . | . | . |
| 12.983 | 9.9233 | 20.72 | .Q | .V | . | . | . |
| 13.000 | 9.9520 | 20.79 | .Q | .V | . | . | . |
| 13.017 | 9.9807 | 20.87 | .Q | .V | . | . | . |
| 13.033 | 10.0095 | 20.92 | .Q | .V | . | . | . |
| 13.050 | 10.0384 | 20.96 | .Q | .V | . | . | . |
| 13.067 | 10.0673 | 21.00 | .Q | .V | . | . | . |
| 13.083 | 10.0963 | 21.04 | .Q | .V | . | . | . |
| 13.100 | 10.1253 | 21.08 | .Q | .V | . | . | . |
| 13.117 | 10.1544 | 21.12 | .Q | .V | . | . | . |
| 13.133 | 10.1836 | 21.16 | .Q | .V | . | . | . |
| 13.150 | 10.2128 | 21.20 | .Q | .V | . | . | . |
| 13.167 | 10.2421 | 21.25 | .Q | .V | . | . | . |
| 13.183 | 10.2714 | 21.30 | .Q | .V | . | . | . |
| 13.200 | 10.3009 | 21.39 | .Q | .V | . | . | . |
| 13.217 | 10.3304 | 21.47 | .Q | .V | . | . | . |
| 13.233 | 10.3601 | 21.56 | .Q | .V | . | . | . |
| 13.250 | 10.3900 | 21.65 | .Q | .V | . | . | . |
| 13.267 | 10.4199 | 21.74 | .Q | .V | . | . | . |
| 13.283 | 10.4500 | 21.83 | .Q | .V | . | . | . |
| 13.300 | 10.4801 | 21.92 | .Q | .V | . | . | . |
| 13.317 | 10.5105 | 22.00 | .Q | .V | . | . | . |
| 13.333 | 10.5409 | 22.09 | .Q | .V | . | . | . |
| 13.350 | 10.5714 | 22.15 | .Q | .V | . | . | . |
| 13.367 | 10.6020 | 22.20 | .Q | .V | . | . | . |
| 13.383 | 10.6326 | 22.24 | .Q | .V | . | . | . |
| 13.400 | 10.6633 | 22.29 | .Q | .V | . | . | . |
| 13.417 | 10.6941 | 22.34 | .Q | .V | . | . | . |
| 13.433 | 10.7249 | 22.39 | .Q | .V | . | . | . |
| 13.450 | 10.7558 | 22.44 | .Q | .V | . | . | . |
| 13.467 | 10.7868 | 22.48 | .Q | .V | . | . | . |
| 13.483 | 10.8178 | 22.53 | .Q | .V | . | . | . |
| 13.500 | 10.8490 | 22.60 | .Q | .V | . | . | . |
| 13.517 | 10.8802 | 22.71 | .Q | .V | . | . | . |
| 13.533 | 10.9116 | 22.81 | .Q | .V | . | . | . |
| 13.550 | 10.9432 | 22.92 | .Q | .V | . | . | . |
| 13.567 | 10.9749 | 23.02 | .Q | .V | . | . | . |
| 13.583 | 11.0068 | 23.13 | .Q | .V | . | . | . |
| 13.600 | 11.0388 | 23.23 | .Q | .V | . | . | . |
| 13.617 | 11.0709 | 23.34 | .Q | .V | . | . | . |
| 13.633 | 11.1032 | 23.44 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 11.1357 | 23.54 | . Q | . V | . | . | . |
| 13.667 | 11.1682 | 23.61 | . Q | . V | . | . | . |
| 13.683 | 11.2008 | 23.67 | . Q | . V | . | . | . |
| 13.700 | 11.2335 | 23.73 | . Q | . V | . | . | . |
| 13.717 | 11.2662 | 23.78 | . Q | . V | . | . | . |
| 13.733 | 11.2991 | 23.84 | . Q | . V | . | . | . |
| 13.750 | 11.3320 | 23.90 | . Q | . V | . | . | . |
| 13.767 | 11.3650 | 23.96 | . Q | . V | . | . | . |
| 13.783 | 11.3981 | 24.02 | . Q | . V | . | . | . |
| 13.800 | 11.4312 | 24.07 | . Q | . V | . | . | . |
| 13.817 | 11.4645 | 24.17 | . Q | . V | . | . | . |
| 13.833 | 11.4980 | 24.30 | . Q | . V | . | . | . |
| 13.850 | 11.5316 | 24.43 | . Q | . V | . | . | . |
| 13.867 | 11.5654 | 24.55 | . Q | . V | . | . | . |
| 13.883 | 11.5994 | 24.68 | . Q | . V | . | . | . |
| 13.900 | 11.6336 | 24.81 | . Q | . V | . | . | . |
| 13.917 | 11.6680 | 24.94 | . Q | . V | . | . | . |
| 13.933 | 11.7025 | 25.07 | . Q | . V | . | . | . |
| 13.950 | 11.7372 | 25.20 | . Q | . V | . | . | . |
| 13.967 | 11.7721 | 25.32 | . Q | . V | . | . | . |
| 13.983 | 11.8070 | 25.39 | . Q | . V | . | . | . |
| 14.000 | 11.8421 | 25.46 | . Q | . V | . | . | . |
| 14.017 | 11.8773 | 25.53 | . Q | . V | . | . | . |
| 14.033 | 11.9126 | 25.61 | . Q | . V | . | . | . |
| 14.050 | 11.9479 | 25.68 | . Q | . V | . | . | . |
| 14.067 | 11.9834 | 25.75 | . Q | . V | . | . | . |
| 14.083 | 12.0190 | 25.82 | . Q | . V | . | . | . |
| 14.100 | 12.0546 | 25.89 | . Q | . V | . | . | . |
| 14.117 | 12.0904 | 25.96 | . Q | . V | . | . | . |
| 14.133 | 12.1263 | 26.09 | . Q | . V | . | . | . |
| 14.150 | 12.1625 | 26.25 | . Q | . V | . | . | . |
| 14.167 | 12.1989 | 26.41 | . Q | . V | . | . | . |
| 14.183 | 12.2354 | 26.56 | . Q | . V | . | . | . |
| 14.200 | 12.2723 | 26.72 | . Q | . V | . | . | . |
| 14.217 | 12.3093 | 26.88 | . Q | . V | . | . | . |
| 14.233 | 12.3465 | 27.04 | . Q | . V | . | . | . |
| 14.250 | 12.3840 | 27.19 | . Q | . V | . | . | . |
| 14.267 | 12.4217 | 27.35 | . Q | . V | . | . | . |
| 14.283 | 12.4595 | 27.49 | . Q | . V | . | . | . |
| 14.300 | 12.4975 | 27.59 | . Q | . V | . | . | . |
| 14.317 | 12.5356 | 27.68 | . Q | . V | . | . | . |
| 14.333 | 12.5739 | 27.77 | . Q | . V | . | . | . |
| 14.350 | 12.6123 | 27.86 | . Q | . V | . | . | . |
| 14.367 | 12.6508 | 27.95 | . Q | . V | . | . | . |
| 14.383 | 12.6894 | 28.05 | . Q | . V | . | . | . |
| 14.400 | 12.7282 | 28.14 | . Q | . V | . | . | . |
| 14.417 | 12.7670 | 28.23 | . Q | . V | . | . | . |
| 14.433 | 12.8061 | 28.33 | . Q | . V | . | . | . |
| 14.450 | 12.8453 | 28.51 | . Q | . V | . | . | . |
| 14.467 | 12.8849 | 28.72 | . Q | . V | . | . | . |
| 14.483 | 12.9247 | 28.93 | . Q | . V | . | . | . |
| 14.500 | 12.9649 | 29.15 | . Q | . V | . | . | . |
| 14.517 | 13.0053 | 29.36 | . Q | . V | . | . | . |
| 14.533 | 13.0461 | 29.57 | . Q | . V | . | . | . |
| 14.550 | 13.0871 | 29.78 | . Q | . V | . | . | . |
| 14.567 | 13.1284 | 30.00 | . Q | . V | . | . | . |
| 14.583 | 13.1700 | 30.21 | . Q | . V | . | . | . |
| 14.600 | 13.2119 | 30.39 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.617 | 13.2539 | 30.51 | . Q | . V | . | . | . |
| 14.633 | 13.2961 | 30.64 | . Q | . V | . | . | . |
| 14.650 | 13.3385 | 30.76 | . Q | . V | . | . | . |
| 14.667 | 13.3810 | 30.88 | . Q | . V | . | . | . |
| 14.683 | 13.4237 | 31.01 | . Q | . V | . | . | . |
| 14.700 | 13.4666 | 31.13 | . Q | . V | . | . | . |
| 14.717 | 13.5097 | 31.26 | . Q | . V | . | . | . |
| 14.733 | 13.5529 | 31.38 | . Q | . V | . | . | . |
| 14.750 | 13.5963 | 31.52 | . Q | . V | . | . | . |
| 14.767 | 13.6401 | 31.79 | . Q | . V | . | . | . |
| 14.783 | 13.6843 | 32.08 | . Q | . V | . | . | . |
| 14.800 | 13.7289 | 32.38 | . Q | . V | . | . | . |
| 14.817 | 13.7739 | 32.68 | . Q | . V | . | . | . |
| 14.833 | 13.8193 | 32.97 | . Q | . V | . | . | . |
| 14.850 | 13.8651 | 33.27 | . Q | . V | . | . | . |
| 14.867 | 13.9114 | 33.56 | . Q | . V | . | . | . |
| 14.883 | 13.9580 | 33.86 | . Q | . V | . | . | . |
| 14.900 | 14.0050 | 34.15 | . Q | . V | . | . | . |
| 14.917 | 14.0524 | 34.39 | . Q | . V | . | . | . |
| 14.933 | 14.1000 | 34.57 | . Q | . V | . | . | . |
| 14.950 | 14.1479 | 34.75 | . Q | . V | . | . | . |
| 14.967 | 14.1960 | 34.93 | . Q | . V | . | . | . |
| 14.983 | 14.2443 | 35.11 | . Q | . V | . | . | . |
| 15.000 | 14.2930 | 35.29 | . Q | . V | . | . | . |
| 15.017 | 14.3418 | 35.47 | . Q | . V | . | . | . |
| 15.033 | 14.3909 | 35.64 | . Q | . V | . | . | . |
| 15.050 | 14.4402 | 35.82 | . Q | . V | . | . | . |
| 15.067 | 14.4899 | 36.05 | . Q | . V | . | . | . |
| 15.083 | 14.5401 | 36.48 | . Q | . V | . | . | . |
| 15.100 | 14.5910 | 36.93 | . Q | . V | . | . | . |
| 15.117 | 14.6425 | 37.38 | . Q | . V | . | . | . |
| 15.133 | 14.6946 | 37.83 | . Q | . V | . | . | . |
| 15.150 | 14.7473 | 38.28 | . Q | . V | . | . | . |
| 15.167 | 14.8007 | 38.73 | . Q | . V | . | . | . |
| 15.183 | 14.8546 | 39.18 | . Q | . V | . | . | . |
| 15.200 | 14.9092 | 39.63 | . Q | . V | . | . | . |
| 15.217 | 14.9645 | 40.09 | . Q | . V | . | . | . |
| 15.233 | 15.0202 | 40.49 | . Q | . V | . | . | . |
| 15.250 | 15.0765 | 40.87 | . Q | . V | . | . | . |
| 15.267 | 15.1333 | 41.25 | . Q | . V | . | . | . |
| 15.283 | 15.1907 | 41.63 | . Q | . V | . | . | . |
| 15.300 | 15.2486 | 42.01 | . Q | . V | . | . | . |
| 15.317 | 15.3069 | 42.39 | . Q | . V | . | . | . |
| 15.333 | 15.3659 | 42.77 | . Q | . V | . | . | . |
| 15.350 | 15.4253 | 43.15 | . Q | . V | . | . | . |
| 15.367 | 15.4853 | 43.53 | . Q | . V | . | . | . |
| 15.383 | 15.5457 | 43.86 | . Q | . V | . | . | . |
| 15.400 | 15.6064 | 44.05 | . Q | . V | . | . | . |
| 15.417 | 15.6673 | 44.23 | . Q | . V | . | . | . |
| 15.433 | 15.7284 | 44.41 | . Q | . V | . | . | . |
| 15.450 | 15.7899 | 44.59 | . Q | . V | . | . | . |
| 15.467 | 15.8515 | 44.77 | . Q | . V | . | . | . |
| 15.483 | 15.9135 | 44.95 | . Q | . V | . | . | . |
| 15.500 | 15.9756 | 45.13 | . Q | . V | . | . | . |
| 15.517 | 16.0381 | 45.32 | . Q | . V | . | . | . |
| 15.533 | 16.1008 | 45.53 | . Q | . V | . | . | . |
| 15.550 | 16.1645 | 46.31 | . Q | . V | . | . | . |
| 15.567 | 16.2297 | 47.28 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|
| 15.583 | 16.2961 | 48.26 | . | Q | . | V | . | . | . |
| 15.600 | 16.3640 | 49.24 | . | Q | . | V | . | . | . |
| 15.617 | 16.4331 | 50.21 | . | Q | . | V | . | . | . |
| 15.633 | 16.5036 | 51.19 | . | Q | . | V | . | . | . |
| 15.650 | 16.5755 | 52.16 | . | Q | . | V | . | . | . |
| 15.667 | 16.6487 | 53.14 | . | Q | . | V | . | . | . |
| 15.683 | 16.7232 | 54.12 | . | Q | . | V | . | . | . |
| 15.700 | 16.8008 | 56.33 | . | Q | . | V | . | . | . |
| 15.717 | 16.8843 | 60.62 | . | Q | . | V | . | . | . |
| 15.733 | 16.9738 | 64.95 | . | Q | . | V | . | . | . |
| 15.750 | 17.0692 | 69.27 | . | Q | . | V | . | . | . |
| 15.767 | 17.1706 | 73.60 | . | Q | . | V | . | . | . |
| 15.783 | 17.2779 | 77.92 | . | Q | . | V | . | . | . |
| 15.800 | 17.3912 | 82.25 | . | Q | . | V | . | . | . |
| 15.817 | 17.5104 | 86.57 | . | Q | . | V | . | . | . |
| 15.833 | 17.6357 | 90.90 | . | Q | . | V | . | . | . |
| 15.850 | 17.7668 | 95.25 | . | Q | . | V | . | . | . |
| 15.867 | 17.9043 | 99.78 | . | Q | . | V | . | . | . |
| 15.883 | 18.0480 | 104.36 | . | Q | . | V | . | . | . |
| 15.900 | 18.1981 | 108.94 | . | Q | . | V | . | . | . |
| 15.917 | 18.3544 | 113.51 | . | Q | . | V | . | . | . |
| 15.933 | 18.5171 | 118.09 | . | Q | . | V | . | . | . |
| 15.950 | 18.6861 | 122.67 | . | Q | . | V | . | . | . |
| 15.967 | 18.8613 | 127.25 | . | Q | . | V | . | . | . |
| 15.983 | 19.0429 | 131.82 | . | Q | . | V | . | . | . |
| 16.000 | 19.2308 | 136.40 | . | Q | . | V | . | . | . |
| 16.017 | 19.4445 | 155.16 | . | Q | . | V | . | . | . |
| 16.033 | 19.7036 | 188.09 | . | Q | . | V | . | . | . |
| 16.050 | 20.0080 | 221.03 | . | Q | . | V | . | . | . |
| 16.067 | 20.3578 | 253.97 | . | Q | . | V | . | . | . |
| 16.083 | 20.7530 | 286.90 | . | Q | . | V | . | . | . |
| 16.100 | 21.1936 | 319.84 | . | Q | . | V | . | . | . |
| 16.117 | 21.6795 | 352.78 | . | Q | . | V | . | . | . |
| 16.133 | 22.2108 | 385.71 | . | Q | . | V | . | . | . |
| 16.150 | 22.7874 | 418.65 | . | Q | . | V | . | . | . |
| 16.167 | 23.4063 | 449.28 | . | Q | . | V | . | . | . |
| 16.183 | 23.9657 | 406.15 | . | Q | . | V | . | . | . |
| 16.200 | 24.4696 | 365.83 | . | Q | . | V | . | . | . |
| 16.217 | 24.9180 | 325.51 | . | Q | . | V | . | . | . |
| 16.233 | 25.3108 | 285.19 | . | Q | . | V | . | . | . |
| 16.250 | 25.6481 | 244.87 | . | Q | . | V | . | . | . |
| 16.267 | 25.9298 | 204.55 | . | Q | . | V | . | . | . |
| 16.283 | 26.1560 | 164.23 | . | Q | . | V | . | . | . |
| 16.300 | 26.3267 | 123.92 | . | Q | . | V | . | . | . |
| 16.317 | 26.4424 | 83.97 | . | Q | . | V | . | . | . |
| 16.333 | 26.5353 | 67.48 | . | Q | . | V | . | . | . |
| 16.350 | 26.6248 | 64.98 | . | Q | . | V | . | . | . |
| 16.367 | 26.7109 | 62.47 | . | Q | . | V | . | . | . |
| 16.383 | 26.7935 | 59.97 | . | Q | . | V | . | . | . |
| 16.400 | 26.8726 | 57.47 | . | Q | . | V | . | . | . |
| 16.417 | 26.9484 | 54.97 | . | Q | . | V | . | . | . |
| 16.433 | 27.0206 | 52.46 | . | Q | . | V | . | . | . |
| 16.450 | 27.0894 | 49.96 | . | Q | . | V | . | . | . |
| 16.467 | 27.1548 | 47.46 | . | Q | . | V | . | . | . |
| 16.483 | 27.2173 | 45.38 | . | Q | . | V | . | . | . |
| 16.500 | 27.2786 | 44.51 | . | Q | . | V | . | . | . |
| 16.517 | 27.3389 | 43.71 | . | Q | . | V | . | . | . |
| 16.533 | 27.3980 | 42.92 | . | Q | . | V | . | . | . |

| | | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|---|---|---|
| 16.550 | 27.4560 | 42.12 | . | Q | . | . | . | . | V | . |
| 16.567 | 27.5129 | 41.32 | . | Q | . | . | . | . | V | . |
| 16.583 | 27.5687 | 40.52 | . | Q | . | . | . | . | V | . |
| 16.600 | 27.6234 | 39.72 | . | Q | . | . | . | . | V | . |
| 16.617 | 27.6770 | 38.92 | . | Q | . | . | . | . | V | . |
| 16.633 | 27.7295 | 38.13 | . | Q | . | . | . | . | V | . |
| 16.650 | 27.7812 | 37.52 | . | Q | . | . | . | . | V | . |
| 16.667 | 27.8321 | 36.98 | . | Q | . | . | . | . | V | . |
| 16.683 | 27.8823 | 36.43 | . | Q | . | . | . | . | V | . |
| 16.700 | 27.9318 | 35.89 | . | Q | . | . | . | . | V | . |
| 16.717 | 27.9805 | 35.35 | . | Q | . | . | . | . | V | . |
| 16.733 | 28.0284 | 34.80 | . | Q | . | . | . | . | V | . |
| 16.750 | 28.0756 | 34.26 | . | Q | . | . | . | . | V | . |
| 16.767 | 28.1220 | 33.72 | . | Q | . | . | . | . | V | . |
| 16.783 | 28.1677 | 33.17 | . | Q | . | . | . | . | V | . |
| 16.800 | 28.2127 | 32.69 | . | Q | . | . | . | . | V | . |
| 16.817 | 28.2572 | 32.31 | . | Q | . | . | . | . | V | . |
| 16.833 | 28.3012 | 31.94 | . | Q | . | . | . | . | V | . |
| 16.850 | 28.3447 | 31.57 | . | Q | . | . | . | . | V | . |
| 16.867 | 28.3877 | 31.19 | . | Q | . | . | . | . | V | . |
| 16.883 | 28.4301 | 30.82 | . | Q | . | . | . | . | V | . |
| 16.900 | 28.4721 | 30.44 | . | Q | . | . | . | . | V | . |
| 16.917 | 28.5135 | 30.07 | . | Q | . | . | . | . | V | . |
| 16.933 | 28.5544 | 29.70 | . | Q | . | . | . | . | V | . |
| 16.950 | 28.5948 | 29.33 | . | Q | . | . | . | . | V | . |
| 16.967 | 28.6348 | 29.04 | . | Q | . | . | . | . | V | . |
| 16.983 | 28.6744 | 28.76 | . | Q | . | . | . | . | V | . |
| 17.000 | 28.7136 | 28.48 | . | 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 Peak Flow Rate | Duration (minutes) |
|---|-----------------------|
| 0% | 1021.0 |
| 10% | 305.0 |
| 20% | 145.0 |
| 30% | 90.0 |
| 40% | 75.0 |
| 50% | 60.0 |
| 60% | 50.0 |
| 70% | 40.0 |
| 80% | 25.0 |
| 90% | 15.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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Santa Ana, CA
92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA F *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 100-YR EV ROKAMOTO AUGUST 2018 *

FILE NAME: 4F00EVS.DAT
TIME/DATE OF STUDY: 07:50 08/15/2018

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 920.00 TO NODE 905.00 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) = 553.80
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.254
LOW LOSS FRACTION = 0.434
TIME OF CONCENTRATION (MIN.) = 16.64
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 25
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.40
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.87
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.15
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.94
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.71
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.49

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 115.25

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 91.96

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. | 271.1 | 542.1 | 813.2 | 1084.3 |
|------------|-------------|---------|----|-------|-------|-------|--------|
| 10.000 | 20.5032 | 34.94 | .Q | V | . | . | . |
| 10.017 | 20.5514 | 35.02 | .Q | V | . | . | . |
| 10.033 | 20.5998 | 35.10 | .Q | V | . | . | . |
| 10.050 | 20.6483 | 35.18 | .Q | V | . | . | . |
| 10.067 | 20.6968 | 35.26 | .Q | V | . | . | . |
| 10.083 | 20.7455 | 35.34 | .Q | V | . | . | . |
| 10.100 | 20.7943 | 35.42 | .Q | V | . | . | . |
| 10.117 | 20.8432 | 35.50 | .Q | V | . | . | . |
| 10.133 | 20.8922 | 35.58 | .Q | V | . | . | . |
| 10.150 | 20.9413 | 35.66 | .Q | V | . | . | . |
| 10.167 | 20.9906 | 35.74 | .Q | V | . | . | . |
| 10.183 | 21.0399 | 35.82 | .Q | V | . | . | . |
| 10.200 | 21.0893 | 35.87 | .Q | V | . | . | . |
| 10.217 | 21.1388 | 35.91 | .Q | V | . | . | . |
| 10.233 | 21.1883 | 35.96 | .Q | V | . | . | . |
| 10.250 | 21.2379 | 36.00 | .Q | V | . | . | . |
| 10.267 | 21.2875 | 36.04 | .Q | V | . | . | . |
| 10.283 | 21.3372 | 36.09 | .Q | V | . | . | . |
| 10.300 | 21.3870 | 36.13 | .Q | V | . | . | . |
| 10.317 | 21.4368 | 36.17 | .Q | V | . | . | . |
| 10.333 | 21.4867 | 36.22 | .Q | V | . | . | . |
| 10.350 | 21.5367 | 36.26 | .Q | V | . | . | . |
| 10.367 | 21.5867 | 36.30 | .Q | V | . | . | . |
| 10.383 | 21.6367 | 36.35 | .Q | V | . | . | . |
| 10.400 | 21.6868 | 36.39 | .Q | V | . | . | . |
| 10.417 | 21.7370 | 36.43 | .Q | V | . | . | . |
| 10.433 | 21.7873 | 36.47 | .Q | V | . | . | . |
| 10.450 | 21.8376 | 36.52 | .Q | V | . | . | . |
| 10.467 | 21.8880 | 36.58 | .Q | V | . | . | . |
| 10.483 | 21.9385 | 36.67 | .Q | V | . | . | . |
| 10.500 | 21.9891 | 36.76 | .Q | V | . | . | . |
| 10.517 | 22.0399 | 36.86 | .Q | V | . | . | . |
| 10.533 | 22.0908 | 36.95 | .Q | V | . | . | . |
| 10.550 | 22.1418 | 37.04 | .Q | V | . | . | . |
| 10.567 | 22.1929 | 37.14 | .Q | V | . | . | . |
| 10.583 | 22.2442 | 37.23 | .Q | V | . | . | . |
| 10.600 | 22.2956 | 37.32 | .Q | V | . | . | . |
| 10.617 | 22.3472 | 37.42 | .Q | V | . | . | . |
| 10.633 | 22.3988 | 37.51 | .Q | V | . | . | . |
| 10.650 | 22.4506 | 37.60 | .Q | V | . | . | . |
| 10.667 | 22.5026 | 37.70 | .Q | V | . | . | . |
| 10.683 | 22.5546 | 37.79 | .Q | V | . | . | . |
| 10.700 | 22.6068 | 37.89 | .Q | V | . | . | . |
| 10.717 | 22.6591 | 37.98 | .Q | V | . | . | . |
| 10.733 | 22.7116 | 38.07 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 10.750 | 22.7641 | 38.14 | .Q | V | . | . | . |
| 10.767 | 22.8167 | 38.19 | .Q | V | . | . | . |
| 10.783 | 22.8694 | 38.24 | .Q | V | . | . | . |
| 10.800 | 22.9221 | 38.29 | .Q | V | . | . | . |
| 10.817 | 22.9749 | 38.34 | .Q | V | . | . | . |
| 10.833 | 23.0278 | 38.39 | .Q | V | . | . | . |
| 10.850 | 23.0807 | 38.44 | .Q | V | . | . | . |
| 10.867 | 23.1338 | 38.49 | .Q | V | . | . | . |
| 10.883 | 23.1869 | 38.54 | .Q | V | . | . | . |
| 10.900 | 23.2400 | 38.60 | .Q | V | . | . | . |
| 10.917 | 23.2933 | 38.65 | .Q | V | . | . | . |
| 10.933 | 23.3466 | 38.70 | .Q | V | . | . | . |
| 10.950 | 23.3999 | 38.75 | .Q | V | . | . | . |
| 10.967 | 23.4534 | 38.80 | .Q | V | . | . | . |
| 10.983 | 23.5069 | 38.85 | .Q | V | . | . | . |
| 11.000 | 23.5605 | 38.90 | .Q | V | . | . | . |
| 11.017 | 23.6141 | 38.96 | .Q | V | . | . | . |
| 11.033 | 23.6679 | 39.06 | .Q | V | . | . | . |
| 11.050 | 23.7219 | 39.17 | .Q | V | . | . | . |
| 11.067 | 23.7760 | 39.28 | .Q | V | . | . | . |
| 11.083 | 23.8303 | 39.40 | .Q | V | . | . | . |
| 11.100 | 23.8847 | 39.51 | .Q | V | . | . | . |
| 11.117 | 23.9393 | 39.62 | .Q | V | . | . | . |
| 11.133 | 23.9940 | 39.73 | .Q | V | . | . | . |
| 11.150 | 24.0488 | 39.84 | .Q | V | . | . | . |
| 11.167 | 24.1039 | 39.95 | .Q | V | . | . | . |
| 11.183 | 24.1591 | 40.06 | .Q | V | . | . | . |
| 11.200 | 24.2144 | 40.17 | .Q | V | . | . | . |
| 11.217 | 24.2699 | 40.28 | .Q | V | . | . | . |
| 11.233 | 24.3255 | 40.39 | .Q | V | . | . | . |
| 11.250 | 24.3813 | 40.50 | .Q | V | . | . | . |
| 11.267 | 24.4372 | 40.61 | .Q | V | . | . | . |
| 11.283 | 24.4933 | 40.73 | .Q | V | . | . | . |
| 11.300 | 24.5496 | 40.82 | .Q | V | . | . | . |
| 11.317 | 24.6059 | 40.88 | .Q | V | . | . | . |
| 11.333 | 24.6623 | 40.94 | .Q | V | . | . | . |
| 11.350 | 24.7187 | 41.00 | .Q | V | . | . | . |
| 11.367 | 24.7753 | 41.06 | .Q | V | . | . | . |
| 11.383 | 24.8319 | 41.12 | .Q | V | . | . | . |
| 11.400 | 24.8886 | 41.18 | .Q | V | . | . | . |
| 11.417 | 24.9455 | 41.24 | .Q | V | . | . | . |
| 11.433 | 25.0023 | 41.30 | .Q | V | . | . | . |
| 11.450 | 25.0593 | 41.36 | .Q | V | . | . | . |
| 11.467 | 25.1164 | 41.42 | .Q | V | . | . | . |
| 11.483 | 25.1735 | 41.49 | .Q | V | . | . | . |
| 11.500 | 25.2307 | 41.55 | .Q | V | . | . | . |
| 11.517 | 25.2881 | 41.61 | .Q | V | . | . | . |
| 11.533 | 25.3454 | 41.67 | .Q | V | . | . | . |
| 11.550 | 25.4029 | 41.73 | .Q | V | . | . | . |
| 11.567 | 25.4605 | 41.79 | .Q | V | . | . | . |
| 11.583 | 25.5182 | 41.90 | .Q | V | . | . | . |
| 11.600 | 25.5761 | 42.04 | .Q | V | . | . | . |
| 11.617 | 25.6342 | 42.17 | .Q | V | . | . | . |
| 11.633 | 25.6925 | 42.31 | .Q | V | . | . | . |
| 11.650 | 25.7509 | 42.44 | .Q | V | . | . | . |
| 11.667 | 25.8096 | 42.57 | .Q | V | . | . | . |
| 11.683 | 25.8684 | 42.71 | .Q | V | . | . | . |
| 11.700 | 25.9274 | 42.84 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 11.717 | 25.9866 | 42.97 | .Q | V. | . | . | . |
| 11.733 | 26.0460 | 43.11 | .Q | V. | . | . | . |
| 11.750 | 26.1055 | 43.24 | .Q | V. | . | . | . |
| 11.767 | 26.1653 | 43.38 | .Q | V. | . | . | . |
| 11.783 | 26.2252 | 43.51 | .Q | V. | . | . | . |
| 11.800 | 26.2853 | 43.64 | .Q | V. | . | . | . |
| 11.817 | 26.3456 | 43.78 | .Q | V. | . | . | . |
| 11.833 | 26.4061 | 43.91 | .Q | V. | . | . | . |
| 11.850 | 26.4668 | 44.04 | .Q | V. | . | . | . |
| 11.867 | 26.5275 | 44.11 | .Q | V. | . | . | . |
| 11.883 | 26.5884 | 44.19 | .Q | V. | . | . | . |
| 11.900 | 26.6494 | 44.26 | .Q | V. | . | . | . |
| 11.917 | 26.7104 | 44.34 | .Q | V. | . | . | . |
| 11.933 | 26.7716 | 44.41 | .Q | V. | . | . | . |
| 11.950 | 26.8329 | 44.49 | .Q | V. | . | . | . |
| 11.967 | 26.8943 | 44.56 | .Q | V. | . | . | . |
| 11.983 | 26.9558 | 44.63 | .Q | V. | . | . | . |
| 12.000 | 27.0173 | 44.71 | .Q | V. | . | . | . |
| 12.017 | 27.0790 | 44.78 | .Q | V. | . | . | . |
| 12.033 | 27.1408 | 44.86 | .Q | V. | . | . | . |
| 12.050 | 27.2027 | 44.93 | .Q | V. | . | . | . |
| 12.067 | 27.2647 | 45.01 | .Q | V. | . | . | . |
| 12.083 | 27.3268 | 45.08 | .Q | V. | . | . | . |
| 12.100 | 27.3890 | 45.15 | .Q | V. | . | . | . |
| 12.117 | 27.4513 | 45.23 | .Q | V. | . | . | . |
| 12.133 | 27.5143 | 45.76 | .Q | V. | . | . | . |
| 12.150 | 27.5788 | 46.84 | .Q | V. | . | . | . |
| 12.167 | 27.6448 | 47.92 | .Q | V. | . | . | . |
| 12.183 | 27.7123 | 48.99 | .Q | V. | . | . | . |
| 12.200 | 27.7813 | 50.07 | .Q | V. | . | . | . |
| 12.217 | 27.8517 | 51.15 | .Q | V. | . | . | . |
| 12.233 | 27.9237 | 52.22 | .Q | V. | . | . | . |
| 12.250 | 27.9971 | 53.30 | .Q | V. | . | . | . |
| 12.267 | 28.0720 | 54.38 | .Q | V. | . | . | . |
| 12.283 | 28.1484 | 55.46 | .Q | V. | . | . | . |
| 12.300 | 28.2262 | 56.53 | .Q | V. | . | . | . |
| 12.317 | 28.3056 | 57.61 | .Q | V. | . | . | . |
| 12.333 | 28.3864 | 58.69 | .Q | V. | . | . | . |
| 12.350 | 28.4687 | 59.76 | .Q | V. | . | . | . |
| 12.367 | 28.5525 | 60.84 | .Q | V. | . | . | . |
| 12.383 | 28.6378 | 61.92 | .Q | V. | . | . | . |
| 12.400 | 28.7245 | 62.94 | .Q | V. | . | . | . |
| 12.417 | 28.8117 | 63.27 | .Q | V. | . | . | . |
| 12.433 | 28.8990 | 63.37 | .Q | V | . | . | . |
| 12.450 | 28.9864 | 63.47 | .Q | V | . | . | . |
| 12.467 | 29.0740 | 63.57 | .Q | V | . | . | . |
| 12.483 | 29.1616 | 63.67 | .Q | V | . | . | . |
| 12.500 | 29.2495 | 63.77 | .Q | V | . | . | . |
| 12.517 | 29.3375 | 63.87 | .Q | V | . | . | . |
| 12.533 | 29.4256 | 63.97 | .Q | V | . | . | . |
| 12.550 | 29.5138 | 64.07 | .Q | V | . | . | . |
| 12.567 | 29.6022 | 64.17 | .Q | V | . | . | . |
| 12.583 | 29.6907 | 64.27 | .Q | V | . | . | . |
| 12.600 | 29.7794 | 64.37 | .Q | V | . | . | . |
| 12.617 | 29.8682 | 64.47 | .Q | V | . | . | . |
| 12.633 | 29.9571 | 64.57 | .Q | V | . | . | . |
| 12.650 | 30.0462 | 64.67 | .Q | V | . | . | . |
| 12.667 | 30.1354 | 64.76 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.683 | 30.2248 | 64.89 | .Q | V | . | . | . |
| 12.700 | 30.3145 | 65.11 | .Q | V | . | . | . |
| 12.717 | 30.4045 | 65.34 | .Q | V | . | . | . |
| 12.733 | 30.4948 | 65.56 | .Q | V | . | . | . |
| 12.750 | 30.5854 | 65.79 | .Q | V | . | . | . |
| 12.767 | 30.6763 | 66.01 | .Q | V | . | . | . |
| 12.783 | 30.7675 | 66.23 | .Q | V | . | . | . |
| 12.800 | 30.8591 | 66.46 | .Q | V | . | . | . |
| 12.817 | 30.9509 | 66.68 | .Q | V | . | . | . |
| 12.833 | 31.0431 | 66.91 | .Q | V | . | . | . |
| 12.850 | 31.1356 | 67.13 | .Q | V | . | . | . |
| 12.867 | 31.2283 | 67.36 | .Q | V | . | . | . |
| 12.883 | 31.3214 | 67.58 | .Q | V | . | . | . |
| 12.900 | 31.4148 | 67.81 | .Q | V | . | . | . |
| 12.917 | 31.5085 | 68.03 | .Q | V | . | . | . |
| 12.933 | 31.6025 | 68.26 | .Q | V | . | . | . |
| 12.950 | 31.6969 | 68.48 | .Q | .V | . | . | . |
| 12.967 | 31.7914 | 68.65 | .Q | .V | . | . | . |
| 12.983 | 31.8862 | 68.78 | .Q | .V | . | . | . |
| 13.000 | 31.9811 | 68.91 | .Q | .V | . | . | . |
| 13.017 | 32.0762 | 69.04 | .Q | .V | . | . | . |
| 13.033 | 32.1715 | 69.16 | .Q | .V | . | . | . |
| 13.050 | 32.2669 | 69.29 | .Q | .V | . | . | . |
| 13.067 | 32.3625 | 69.42 | .Q | .V | . | . | . |
| 13.083 | 32.4583 | 69.55 | .Q | .V | . | . | . |
| 13.100 | 32.5543 | 69.67 | .Q | .V | . | . | . |
| 13.117 | 32.6504 | 69.80 | .Q | .V | . | . | . |
| 13.133 | 32.7467 | 69.93 | .Q | .V | . | . | . |
| 13.150 | 32.8432 | 70.06 | .Q | .V | . | . | . |
| 13.167 | 32.9399 | 70.18 | .Q | .V | . | . | . |
| 13.183 | 33.0368 | 70.31 | .Q | .V | . | . | . |
| 13.200 | 33.1338 | 70.44 | .Q | .V | . | . | . |
| 13.217 | 33.2310 | 70.57 | .Q | .V | . | . | . |
| 13.233 | 33.3284 | 70.71 | .Q | .V | . | . | . |
| 13.250 | 33.4261 | 70.97 | .Q | .V | . | . | . |
| 13.267 | 33.5243 | 71.27 | .Q | .V | . | . | . |
| 13.283 | 33.6229 | 71.56 | .Q | .V | . | . | . |
| 13.300 | 33.7218 | 71.85 | .Q | .V | . | . | . |
| 13.317 | 33.8212 | 72.15 | .Q | .V | . | . | . |
| 13.333 | 33.9210 | 72.44 | .Q | .V | . | . | . |
| 13.350 | 34.0212 | 72.74 | .Q | .V | . | . | . |
| 13.367 | 34.1218 | 73.03 | .Q | .V | . | . | . |
| 13.383 | 34.2228 | 73.33 | .Q | .V | . | . | . |
| 13.400 | 34.3242 | 73.62 | .Q | .V | . | . | . |
| 13.417 | 34.4260 | 73.91 | .Q | .V | . | . | . |
| 13.433 | 34.5282 | 74.21 | .Q | .V | . | . | . |
| 13.450 | 34.6308 | 74.50 | .Q | .V | . | . | . |
| 13.467 | 34.7339 | 74.80 | .Q | .V | . | . | . |
| 13.483 | 34.8373 | 75.09 | .Q | .V | . | . | . |
| 13.500 | 34.9411 | 75.38 | .Q | .V | . | . | . |
| 13.517 | 35.0453 | 75.64 | .Q | .V | . | . | . |
| 13.533 | 35.1498 | 75.82 | .Q | .V | . | . | . |
| 13.550 | 35.2544 | 75.99 | .Q | .V | . | . | . |
| 13.567 | 35.3593 | 76.16 | .Q | .V | . | . | . |
| 13.583 | 35.4645 | 76.33 | .Q | .V | . | . | . |
| 13.600 | 35.5698 | 76.50 | .Q | .V | . | . | . |
| 13.617 | 35.6755 | 76.68 | .Q | .V | . | . | . |
| 13.633 | 35.7813 | 76.85 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 35.8874 | 77.02 | . Q | . V | . | . | . |
| 13.667 | 35.9937 | 77.19 | . Q | . V | . | . | . |
| 13.683 | 36.1003 | 77.36 | . Q | . V | . | . | . |
| 13.700 | 36.2071 | 77.53 | . Q | . V | . | . | . |
| 13.717 | 36.3141 | 77.70 | . Q | . V | . | . | . |
| 13.733 | 36.4214 | 77.87 | . Q | . V | . | . | . |
| 13.750 | 36.5289 | 78.05 | . Q | . V | . | . | . |
| 13.767 | 36.6366 | 78.22 | . Q | . V | . | . | . |
| 13.783 | 36.7446 | 78.39 | . Q | . V | . | . | . |
| 13.800 | 36.8530 | 78.71 | . Q | . V | . | . | . |
| 13.817 | 36.9620 | 79.12 | . Q | . V | . | . | . |
| 13.833 | 37.0715 | 79.52 | . Q | . V | . | . | . |
| 13.850 | 37.1816 | 79.93 | . Q | . V | . | . | . |
| 13.867 | 37.2923 | 80.34 | . Q | . V | . | . | . |
| 13.883 | 37.4035 | 80.75 | . Q | . V | . | . | . |
| 13.900 | 37.5153 | 81.16 | . Q | . V | . | . | . |
| 13.917 | 37.6276 | 81.57 | . Q | . V | . | . | . |
| 13.933 | 37.7405 | 81.97 | . Q | . V | . | . | . |
| 13.950 | 37.8540 | 82.38 | . Q | . V | . | . | . |
| 13.967 | 37.9681 | 82.79 | . Q | . V | . | . | . |
| 13.983 | 38.0827 | 83.20 | . Q | . V | . | . | . |
| 14.000 | 38.1978 | 83.61 | . Q | . V | . | . | . |
| 14.017 | 38.3135 | 84.02 | . Q | . V | . | . | . |
| 14.033 | 38.4298 | 84.43 | . Q | . V | . | . | . |
| 14.050 | 38.5467 | 84.83 | . Q | . V | . | . | . |
| 14.067 | 38.6641 | 85.22 | . Q | . V | . | . | . |
| 14.083 | 38.7817 | 85.44 | . Q | . V | . | . | . |
| 14.100 | 38.8997 | 85.63 | . Q | . V | . | . | . |
| 14.117 | 39.0179 | 85.82 | . Q | . V | . | . | . |
| 14.133 | 39.1364 | 86.01 | . Q | . V | . | . | . |
| 14.150 | 39.2551 | 86.20 | . Q | . V | . | . | . |
| 14.167 | 39.3741 | 86.39 | . Q | . V | . | . | . |
| 14.183 | 39.4934 | 86.59 | . Q | . V | . | . | . |
| 14.200 | 39.6129 | 86.78 | . Q | . V | . | . | . |
| 14.217 | 39.7327 | 86.97 | . Q | . V | . | . | . |
| 14.233 | 39.8528 | 87.16 | . Q | . V | . | . | . |
| 14.250 | 39.9731 | 87.35 | . Q | . V | . | . | . |
| 14.267 | 40.0937 | 87.54 | . Q | . V | . | . | . |
| 14.283 | 40.2145 | 87.73 | . Q | . V | . | . | . |
| 14.300 | 40.3356 | 87.93 | . Q | . V | . | . | . |
| 14.317 | 40.4570 | 88.12 | . Q | . V | . | . | . |
| 14.333 | 40.5786 | 88.31 | . Q | . V | . | . | . |
| 14.350 | 40.7007 | 88.65 | . Q | . V | . | . | . |
| 14.367 | 40.8237 | 89.25 | . Q | . V | . | . | . |
| 14.383 | 40.9474 | 89.86 | . Q | . V | . | . | . |
| 14.400 | 41.0720 | 90.47 | . Q | . V | . | . | . |
| 14.417 | 41.1975 | 91.08 | . Q | . V | . | . | . |
| 14.433 | 41.3238 | 91.69 | . Q | . V | . | . | . |
| 14.450 | 41.4509 | 92.30 | . Q | . V | . | . | . |
| 14.467 | 41.5789 | 92.91 | . Q | . V | . | . | . |
| 14.483 | 41.7077 | 93.52 | . Q | . V | . | . | . |
| 14.500 | 41.8373 | 94.12 | . Q | . V | . | . | . |
| 14.517 | 41.9678 | 94.73 | . Q | . V | . | . | . |
| 14.533 | 42.0991 | 95.34 | . Q | . V | . | . | . |
| 14.550 | 42.2313 | 95.95 | . Q | . V | . | . | . |
| 14.567 | 42.3643 | 96.56 | . Q | . V | . | . | . |
| 14.583 | 42.4981 | 97.17 | . Q | . V | . | . | . |
| 14.600 | 42.6328 | 97.78 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|--------|-----|-----|---|---|---|
| 14.617 | 42.7683 | 98.39 | . Q | . V | . | . | . |
| 14.633 | 42.9045 | 98.85 | . Q | . V | . | . | . |
| 14.650 | 43.0412 | 99.26 | . Q | . V | . | . | . |
| 14.667 | 43.1785 | 99.66 | . Q | . V | . | . | . |
| 14.683 | 43.3163 | 100.06 | . Q | . V | . | . | . |
| 14.700 | 43.4547 | 100.46 | . Q | . V | . | . | . |
| 14.717 | 43.5936 | 100.87 | . Q | . V | . | . | . |
| 14.733 | 43.7331 | 101.27 | . Q | . V | . | . | . |
| 14.750 | 43.8732 | 101.67 | . Q | . V | . | . | . |
| 14.767 | 44.0138 | 102.07 | . Q | . V | . | . | . |
| 14.783 | 44.1549 | 102.47 | . Q | . V | . | . | . |
| 14.800 | 44.2966 | 102.88 | . Q | . V | . | . | . |
| 14.817 | 44.4389 | 103.28 | . Q | . V | . | . | . |
| 14.833 | 44.5817 | 103.68 | . Q | . V | . | . | . |
| 14.850 | 44.7251 | 104.08 | . Q | . V | . | . | . |
| 14.867 | 44.8690 | 104.49 | . Q | . V | . | . | . |
| 14.883 | 45.0134 | 104.89 | . Q | . V | . | . | . |
| 14.900 | 45.1586 | 105.40 | . Q | . V | . | . | . |
| 14.917 | 45.3053 | 106.45 | . Q | . V | . | . | . |
| 14.933 | 45.4534 | 107.58 | . Q | . V | . | . | . |
| 14.950 | 45.6032 | 108.70 | . Q | . V | . | . | . |
| 14.967 | 45.7544 | 109.82 | . Q | . V | . | . | . |
| 14.983 | 45.9072 | 110.94 | . Q | . V | . | . | . |
| 15.000 | 46.0616 | 112.06 | . Q | . V | . | . | . |
| 15.017 | 46.2175 | 113.18 | . Q | . V | . | . | . |
| 15.033 | 46.3749 | 114.30 | . Q | . V | . | . | . |
| 15.050 | 46.5339 | 115.42 | . Q | . V | . | . | . |
| 15.067 | 46.6944 | 116.54 | . Q | . V | . | . | . |
| 15.083 | 46.8565 | 117.66 | . Q | . V | . | . | . |
| 15.100 | 47.0201 | 118.78 | . Q | . V | . | . | . |
| 15.117 | 47.1852 | 119.90 | . Q | . V | . | . | . |
| 15.133 | 47.3519 | 121.02 | . Q | . V | . | . | . |
| 15.150 | 47.5201 | 122.14 | . Q | . V | . | . | . |
| 15.167 | 47.6899 | 123.26 | . Q | . V | . | . | . |
| 15.183 | 47.8611 | 124.26 | . Q | . V | . | . | . |
| 15.200 | 48.0334 | 125.09 | . Q | . V | . | . | . |
| 15.217 | 48.2068 | 125.92 | . Q | . V | . | . | . |
| 15.233 | 48.3814 | 126.75 | . Q | . V | . | . | . |
| 15.250 | 48.5571 | 127.58 | . Q | . V | . | . | . |
| 15.267 | 48.7340 | 128.41 | . Q | . V | . | . | . |
| 15.283 | 48.9120 | 129.24 | . Q | . V | . | . | . |
| 15.300 | 49.0911 | 130.07 | . Q | . V | . | . | . |
| 15.317 | 49.2714 | 130.90 | . Q | . V | . | . | . |
| 15.333 | 49.4529 | 131.73 | . Q | . V | . | . | . |
| 15.350 | 49.6355 | 132.56 | . Q | . V | . | . | . |
| 15.367 | 49.8192 | 133.39 | . Q | . V | . | . | . |
| 15.383 | 50.0041 | 134.22 | . Q | . V | . | . | . |
| 15.400 | 50.1901 | 135.05 | . Q | . V | . | . | . |
| 15.417 | 50.3773 | 135.88 | . Q | . V | . | . | . |
| 15.433 | 50.5656 | 136.71 | . Q | . V | . | . | . |
| 15.450 | 50.7551 | 137.57 | . Q | . V | . | . | . |
| 15.467 | 50.9464 | 138.94 | . Q | . V | . | . | . |
| 15.483 | 51.1399 | 140.49 | . Q | . V | . | . | . |
| 15.500 | 51.3356 | 142.04 | . Q | . V | . | . | . |
| 15.517 | 51.5334 | 143.60 | . Q | . V | . | . | . |
| 15.533 | 51.7333 | 145.15 | . Q | . V | . | . | . |
| 15.550 | 51.9354 | 146.71 | . Q | . V | . | . | . |
| 15.567 | 52.1396 | 148.26 | . Q | . V | . | . | . |

| | | | | | | | | |
|--------|---------|---------|---|----|---|---|----|---|
| 15.583 | 52.3460 | 149.82 | . | Q | . | V | . | . |
| 15.600 | 52.5545 | 151.37 | . | Q | . | V | . | . |
| 15.617 | 52.7651 | 152.93 | . | Q | . | V | . | . |
| 15.633 | 52.9779 | 154.48 | . | Q | . | V | . | . |
| 15.650 | 53.1928 | 156.04 | . | Q | . | V | . | . |
| 15.667 | 53.4099 | 157.59 | . | Q | . | V | . | . |
| 15.683 | 53.6291 | 159.15 | . | Q | . | V | . | . |
| 15.700 | 53.8505 | 160.70 | . | Q | . | V | . | . |
| 15.717 | 54.0740 | 162.26 | . | Q | . | V | . | . |
| 15.733 | 54.3013 | 165.08 | . | Q | . | V | . | . |
| 15.750 | 54.5389 | 172.44 | . | Q | . | V | . | . |
| 15.767 | 54.7871 | 180.20 | . | Q | . | V | . | . |
| 15.783 | 55.0460 | 187.96 | . | Q | . | V | . | . |
| 15.800 | 55.3156 | 195.73 | . | Q | . | V | . | . |
| 15.817 | 55.5959 | 203.49 | . | Q | . | V | . | . |
| 15.833 | 55.8868 | 211.25 | . | Q | . | V | . | . |
| 15.850 | 56.1885 | 219.01 | . | Q | . | V | . | . |
| 15.867 | 56.5009 | 226.77 | . | Q | . | V | . | . |
| 15.883 | 56.8239 | 234.53 | . | Q | . | V | . | . |
| 15.900 | 57.1577 | 242.30 | . | Q | . | V | . | . |
| 15.917 | 57.5021 | 250.06 | . | Q | . | V | . | . |
| 15.933 | 57.8572 | 257.82 | . | Q | . | V | . | . |
| 15.950 | 58.2230 | 265.58 | . | Q | . | V | . | . |
| 15.967 | 58.5995 | 273.34 | . | Q | . | V | . | . |
| 15.983 | 58.9867 | 281.10 | . | Q | . | V | . | . |
| 16.000 | 59.3846 | 288.87 | . | Q | . | V | . | . |
| 16.017 | 59.8206 | 316.53 | . | .Q | . | V | . | . |
| 16.033 | 60.3221 | 364.10 | . | . | Q | V | . | . |
| 16.050 | 60.8891 | 411.67 | . | . | . | Q | .V | . |
| 16.067 | 61.5217 | 459.24 | . | . | . | Q | .V | . |
| 16.083 | 62.2198 | 506.81 | . | . | . | Q | .V | . |
| 16.100 | 62.9834 | 554.38 | . | . | . | . | QV | . |
| 16.117 | 63.8125 | 601.95 | . | . | . | . | Q | . |
| 16.133 | 64.7072 | 649.51 | . | . | . | . | VQ | . |
| 16.150 | 65.6673 | 697.08 | . | . | . | . | V | Q |
| 16.167 | 66.6930 | 744.65 | . | . | . | . | V | Q |
| 16.183 | 67.7842 | 792.22 | . | . | . | . | V | Q |
| 16.200 | 68.9410 | 839.79 | . | . | . | . | V | Q |
| 16.217 | 70.1632 | 887.36 | . | . | . | . | V | Q |
| 16.233 | 71.4510 | 934.93 | . | . | . | . | V | Q |
| 16.250 | 72.8043 | 982.50 | . | . | . | . | V | Q |
| 16.267 | 74.2231 | 1030.07 | . | . | . | . | V | Q |
| 16.283 | 75.7167 | 1084.30 | . | . | . | . | V | Q |
| 16.300 | 77.1432 | 1035.64 | . | . | . | . | V | Q |
| 16.317 | 78.4917 | 979.05 | . | . | . | . | V | Q |
| 16.333 | 79.7623 | 922.46 | . | . | . | . | V | Q |
| 16.350 | 80.9550 | 865.88 | . | . | . | . | V | Q |
| 16.367 | 82.0697 | 809.29 | . | . | . | . | VQ | . |
| 16.383 | 83.1065 | 752.71 | . | . | . | . | QV | . |
| 16.400 | 84.0653 | 696.12 | . | . | . | . | Q | V |
| 16.417 | 84.9462 | 639.53 | . | . | . | . | Q | V |
| 16.433 | 85.7492 | 582.95 | . | . | . | . | .Q | V |
| 16.450 | 86.4742 | 526.36 | . | . | . | . | Q | V |
| 16.467 | 87.1213 | 469.77 | . | . | . | . | Q | V |
| 16.483 | 87.6904 | 413.19 | . | . | . | . | Q | V |
| 16.500 | 88.1816 | 356.60 | . | . | . | . | Q | V |
| 16.517 | 88.5948 | 300.01 | . | . | . | . | .Q | V |
| 16.533 | 88.9301 | 243.43 | . | . | . | . | Q | V |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|----|---|
| 16.550 | 89.1875 | 186.84 | . | Q | . | . | . | V | . |
| 16.567 | 89.3865 | 144.47 | . | Q | . | . | . | .V | . |
| 16.583 | 89.5801 | 140.56 | . | Q | . | . | . | .V | . |
| 16.600 | 89.7713 | 138.81 | . | Q | . | . | . | .V | . |
| 16.617 | 89.9601 | 137.05 | . | Q | . | . | . | .V | . |
| 16.633 | 90.1464 | 135.29 | . | Q | . | . | . | .V | . |
| 16.650 | 90.3304 | 133.54 | . | Q | . | . | . | .V | . |
| 16.667 | 90.5119 | 131.78 | . | Q | . | . | . | .V | . |
| 16.683 | 90.6910 | 130.03 | . | Q | . | . | . | .V | . |
| 16.700 | 90.8677 | 128.27 | . | Q | . | . | . | .V | . |
| 16.717 | 91.0419 | 126.51 | . | Q | . | . | . | .V | . |
| 16.733 | 91.2138 | 124.76 | . | Q | . | . | . | .V | . |
| 16.750 | 91.3832 | 123.00 | . | Q | . | . | . | .V | . |
| 16.767 | 91.5502 | 121.25 | . | Q | . | . | . | .V | . |
| 16.783 | 91.7148 | 119.49 | . | Q | . | . | . | .V | . |
| 16.800 | 91.8770 | 117.74 | . | Q | . | . | . | .V | . |
| 16.817 | 92.0367 | 115.98 | . | Q | . | . | . | .V | . |
| 16.833 | 92.1941 | 114.23 | . | Q | . | . | . | .V | . |
| 16.850 | 92.3494 | 112.77 | . | Q | . | . | . | .V | . |
| 16.867 | 92.5030 | 111.54 | . | Q | . | . | . | .V | . |
| 16.883 | 92.6550 | 110.31 | . | Q | . | . | . | .V | . |
| 16.900 | 92.8052 | 109.08 | . | Q | . | . | . | .V | . |
| 16.917 | 92.9537 | 107.84 | . | Q | . | . | . | .V | . |
| 16.933 | 93.1006 | 106.61 | . | Q | . | . | . | .V | . |
| 16.950 | 93.2457 | 105.38 | . | Q | . | . | . | .V | . |
| 16.967 | 93.3892 | 104.15 | . | Q | . | . | . | .V | . |
| 16.983 | 93.5310 | 102.91 | . | Q | . | . | . | .V | . |
| 17.000 | 93.6710 | 101.68 | . | 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% | 1021.0 |
| 10% | 590.0 |
| 20% | 210.0 |
| 30% | 145.0 |
| 40% | 125.0 |
| 50% | 105.0 |
| 60% | 80.0 |
| 70% | 60.0 |
| 80% | 40.0 |
| 90% | 25.0 |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1264

Analysis prepared by:

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Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA F *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 2-YR EV MARCH 2019 CCHI *

FILE NAME: 4F02EVS.DAT
TIME/DATE OF STUDY: 15:02 03/13/2019

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 920.00 TO NODE 905.00 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) = 553.80
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.509
LOW LOSS FRACTION = 0.744
TIME OF CONCENTRATION (MIN.) = 11.43
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 2
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.13
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.28
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.37
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.62
6-HOUR POINT RAINFALL VALUE (INCHES) = 0.85
24-HOUR POINT RAINFALL VALUE (INCHES) = 1.44

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 16.87

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 49.58

=====
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. | 57.7 | 115.5 | 173.2 | 230.9 |
|------------|-------------|---------|----|------|-------|-------|-------|
| 10.000 | 3.0976 | 5.26 | Q | V | . | . | . |
| 10.017 | 3.1049 | 5.27 | Q | V | . | . | . |
| 10.033 | 3.1122 | 5.28 | Q | V | . | . | . |
| 10.050 | 3.1195 | 5.29 | Q | V | . | . | . |
| 10.067 | 3.1268 | 5.30 | Q | V | . | . | . |
| 10.083 | 3.1341 | 5.31 | Q | V | . | . | . |
| 10.100 | 3.1414 | 5.33 | Q | V | . | . | . |
| 10.117 | 3.1488 | 5.33 | Q | V | . | . | . |
| 10.133 | 3.1561 | 5.34 | Q | V | . | . | . |
| 10.150 | 3.1635 | 5.35 | Q | V | . | . | . |
| 10.167 | 3.1709 | 5.35 | Q | V | . | . | . |
| 10.183 | 3.1782 | 5.36 | Q | V | . | . | . |
| 10.200 | 3.1856 | 5.36 | Q | V | . | . | . |
| 10.217 | 3.1930 | 5.37 | Q | V | . | . | . |
| 10.233 | 3.2004 | 5.38 | Q | V | . | . | . |
| 10.250 | 3.2078 | 5.38 | Q | V | . | . | . |
| 10.267 | 3.2153 | 5.39 | Q | V | . | . | . |
| 10.283 | 3.2227 | 5.40 | Q | V | . | . | . |
| 10.300 | 3.2301 | 5.40 | Q | V | . | . | . |
| 10.317 | 3.2376 | 5.42 | Q | V | . | . | . |
| 10.333 | 3.2451 | 5.43 | Q | V | . | . | . |
| 10.350 | 3.2526 | 5.44 | Q | V | . | . | . |
| 10.367 | 3.2601 | 5.46 | Q | V | . | . | . |
| 10.383 | 3.2676 | 5.47 | Q | V | . | . | . |
| 10.400 | 3.2752 | 5.48 | Q | V | . | . | . |
| 10.417 | 3.2828 | 5.50 | Q | V | . | . | . |
| 10.433 | 3.2903 | 5.51 | Q | V | . | . | . |
| 10.450 | 3.2980 | 5.52 | Q | V | . | . | . |
| 10.467 | 3.3056 | 5.54 | Q | V | . | . | . |
| 10.483 | 3.3132 | 5.55 | Q | V | . | . | . |
| 10.500 | 3.3209 | 5.56 | Q | V | . | . | . |
| 10.517 | 3.3285 | 5.56 | Q | V | . | . | . |
| 10.533 | 3.3362 | 5.57 | Q | V | . | . | . |
| 10.550 | 3.3439 | 5.58 | Q | V | . | . | . |
| 10.567 | 3.3516 | 5.58 | Q | V | . | . | . |
| 10.583 | 3.3593 | 5.59 | Q | V | . | . | . |
| 10.600 | 3.3670 | 5.60 | Q | V | . | . | . |
| 10.617 | 3.3747 | 5.60 | Q | V | . | . | . |
| 10.633 | 3.3824 | 5.61 | Q | V | . | . | . |
| 10.650 | 3.3902 | 5.62 | Q | V | . | . | . |
| 10.667 | 3.3979 | 5.62 | Q | V | . | . | . |
| 10.683 | 3.4057 | 5.64 | Q | V | . | . | . |
| 10.700 | 3.4135 | 5.65 | Q | V | . | . | . |
| 10.717 | 3.4213 | 5.66 | Q | V | . | . | . |
| 10.733 | 3.4291 | 5.68 | Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|---|---|---|---|
| 10.750 | 3.4369 | 5.69 | Q | V | . | . | . |
| 10.767 | 3.4448 | 5.71 | Q | V | . | . | . |
| 10.783 | 3.4527 | 5.72 | Q | V | . | . | . |
| 10.800 | 3.4606 | 5.74 | Q | V | . | . | . |
| 10.817 | 3.4685 | 5.75 | Q | V | . | . | . |
| 10.833 | 3.4764 | 5.77 | Q | V | . | . | . |
| 10.850 | 3.4844 | 5.78 | .Q | V | . | . | . |
| 10.867 | 3.4924 | 5.79 | .Q | V | . | . | . |
| 10.883 | 3.5004 | 5.80 | .Q | V | . | . | . |
| 10.900 | 3.5084 | 5.81 | .Q | V | . | . | . |
| 10.917 | 3.5164 | 5.82 | .Q | V | . | . | . |
| 10.933 | 3.5244 | 5.83 | .Q | V | . | . | . |
| 10.950 | 3.5324 | 5.83 | .Q | V | . | . | . |
| 10.967 | 3.5405 | 5.84 | .Q | V | . | . | . |
| 10.983 | 3.5485 | 5.85 | .Q | V | . | . | . |
| 11.000 | 3.5566 | 5.86 | .Q | V | . | . | . |
| 11.017 | 3.5647 | 5.86 | .Q | V | . | . | . |
| 11.033 | 3.5728 | 5.87 | .Q | V | . | . | . |
| 11.050 | 3.5809 | 5.88 | .Q | V | . | . | . |
| 11.067 | 3.5890 | 5.89 | .Q | V | . | . | . |
| 11.083 | 3.5971 | 5.91 | .Q | V | . | . | . |
| 11.100 | 3.6053 | 5.93 | .Q | V | . | . | . |
| 11.117 | 3.6135 | 5.94 | .Q | V | . | . | . |
| 11.133 | 3.6217 | 5.96 | .Q | V | . | . | . |
| 11.150 | 3.6299 | 5.98 | .Q | V | . | . | . |
| 11.167 | 3.6382 | 5.99 | .Q | V | . | . | . |
| 11.183 | 3.6464 | 6.01 | .Q | V | . | . | . |
| 11.200 | 3.6547 | 6.02 | .Q | V | . | . | . |
| 11.217 | 3.6631 | 6.04 | .Q | V | . | . | . |
| 11.233 | 3.6714 | 6.06 | .Q | V | . | . | . |
| 11.250 | 3.6798 | 6.07 | .Q | V | . | . | . |
| 11.267 | 3.6881 | 6.08 | .Q | V | . | . | . |
| 11.283 | 3.6965 | 6.09 | .Q | V | . | . | . |
| 11.300 | 3.7049 | 6.10 | .Q | V | . | . | . |
| 11.317 | 3.7133 | 6.11 | .Q | V | . | . | . |
| 11.333 | 3.7218 | 6.12 | .Q | V | . | . | . |
| 11.350 | 3.7302 | 6.12 | .Q | V | . | . | . |
| 11.367 | 3.7387 | 6.13 | .Q | V | . | . | . |
| 11.383 | 3.7471 | 6.14 | .Q | V | . | . | . |
| 11.400 | 3.7556 | 6.15 | .Q | V | . | . | . |
| 11.417 | 3.7641 | 6.16 | .Q | V | . | . | . |
| 11.433 | 3.7726 | 6.17 | .Q | V | . | . | . |
| 11.450 | 3.7811 | 6.18 | .Q | V | . | . | . |
| 11.467 | 3.7896 | 6.20 | .Q | V | . | . | . |
| 11.483 | 3.7982 | 6.22 | .Q | V | . | . | . |
| 11.500 | 3.8068 | 6.24 | .Q | V | . | . | . |
| 11.517 | 3.8154 | 6.26 | .Q | V | . | . | . |
| 11.533 | 3.8241 | 6.28 | .Q | V | . | . | . |
| 11.550 | 3.8327 | 6.30 | .Q | V | . | . | . |
| 11.567 | 3.8414 | 6.32 | .Q | V | . | . | . |
| 11.583 | 3.8502 | 6.33 | .Q | V | . | . | . |
| 11.600 | 3.8589 | 6.35 | .Q | V | . | . | . |
| 11.617 | 3.8677 | 6.37 | .Q | V | . | . | . |
| 11.633 | 3.8765 | 6.39 | .Q | V | . | . | . |
| 11.650 | 3.8853 | 6.40 | .Q | V | . | . | . |
| 11.667 | 3.8941 | 6.41 | .Q | V | . | . | . |
| 11.683 | 3.9030 | 6.42 | .Q | V | . | . | . |
| 11.700 | 3.9118 | 6.43 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|------|----|----|---|---|---|
| 11.717 | 3.9207 | 6.44 | .Q | V. | . | . | . |
| 11.733 | 3.9296 | 6.45 | .Q | V. | . | . | . |
| 11.750 | 3.9384 | 6.46 | .Q | V. | . | . | . |
| 11.767 | 3.9474 | 6.47 | .Q | V. | . | . | . |
| 11.783 | 3.9563 | 6.48 | .Q | V. | . | . | . |
| 11.800 | 3.9652 | 6.49 | .Q | V. | . | . | . |
| 11.817 | 3.9742 | 6.50 | .Q | V. | . | . | . |
| 11.833 | 3.9831 | 6.52 | .Q | V. | . | . | . |
| 11.850 | 3.9921 | 6.54 | .Q | V. | . | . | . |
| 11.867 | 4.0012 | 6.56 | .Q | V. | . | . | . |
| 11.883 | 4.0102 | 6.58 | .Q | V. | . | . | . |
| 11.900 | 4.0193 | 6.60 | .Q | V. | . | . | . |
| 11.917 | 4.0285 | 6.62 | .Q | V. | . | . | . |
| 11.933 | 4.0376 | 6.65 | .Q | V. | . | . | . |
| 11.950 | 4.0468 | 6.67 | .Q | V. | . | . | . |
| 11.967 | 4.0560 | 6.69 | .Q | V. | . | . | . |
| 11.983 | 4.0653 | 6.71 | .Q | V. | . | . | . |
| 12.000 | 4.0745 | 6.73 | .Q | V. | . | . | . |
| 12.017 | 4.0839 | 6.78 | .Q | V. | . | . | . |
| 12.033 | 4.0933 | 6.85 | .Q | V. | . | . | . |
| 12.050 | 4.1028 | 6.92 | .Q | V. | . | . | . |
| 12.067 | 4.1125 | 6.99 | .Q | V. | . | . | . |
| 12.083 | 4.1222 | 7.06 | .Q | V. | . | . | . |
| 12.100 | 4.1320 | 7.13 | .Q | V. | . | . | . |
| 12.117 | 4.1419 | 7.20 | .Q | V. | . | . | . |
| 12.133 | 4.1519 | 7.27 | .Q | V. | . | . | . |
| 12.150 | 4.1621 | 7.34 | .Q | V. | . | . | . |
| 12.167 | 4.1723 | 7.41 | .Q | V. | . | . | . |
| 12.183 | 4.1826 | 7.48 | .Q | V. | . | . | . |
| 12.200 | 4.1930 | 7.56 | .Q | V. | . | . | . |
| 12.217 | 4.2035 | 7.64 | .Q | V. | . | . | . |
| 12.233 | 4.2141 | 7.73 | .Q | V. | . | . | . |
| 12.250 | 4.2249 | 7.81 | .Q | V | . | . | . |
| 12.267 | 4.2358 | 7.90 | .Q | V | . | . | . |
| 12.283 | 4.2468 | 7.98 | .Q | V | . | . | . |
| 12.300 | 4.2579 | 8.07 | .Q | V | . | . | . |
| 12.317 | 4.2691 | 8.16 | .Q | V | . | . | . |
| 12.333 | 4.2805 | 8.24 | .Q | V | . | . | . |
| 12.350 | 4.2920 | 8.33 | .Q | V | . | . | . |
| 12.367 | 4.3035 | 8.41 | .Q | V | . | . | . |
| 12.383 | 4.3152 | 8.50 | .Q | V | . | . | . |
| 12.400 | 4.3270 | 8.54 | .Q | V | . | . | . |
| 12.417 | 4.3388 | 8.55 | .Q | V | . | . | . |
| 12.433 | 4.3506 | 8.57 | .Q | V | . | . | . |
| 12.450 | 4.3624 | 8.58 | .Q | V | . | . | . |
| 12.467 | 4.3742 | 8.59 | .Q | V | . | . | . |
| 12.483 | 4.3861 | 8.61 | .Q | V | . | . | . |
| 12.500 | 4.3980 | 8.62 | .Q | V | . | . | . |
| 12.517 | 4.4099 | 8.64 | .Q | V | . | . | . |
| 12.533 | 4.4218 | 8.65 | .Q | V | . | . | . |
| 12.550 | 4.4337 | 8.66 | .Q | V | . | . | . |
| 12.567 | 4.4457 | 8.68 | .Q | V | . | . | . |
| 12.583 | 4.4576 | 8.70 | .Q | V | . | . | . |
| 12.600 | 4.4697 | 8.73 | .Q | V | . | . | . |
| 12.617 | 4.4817 | 8.76 | .Q | V | . | . | . |
| 12.633 | 4.4938 | 8.79 | .Q | V | . | . | . |
| 12.650 | 4.5060 | 8.82 | .Q | V | . | . | . |
| 12.667 | 4.5182 | 8.85 | .Q | V | . | . | . |

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|--------|--------|-------|----|----|---|---|---|
| 12.683 | 4.5304 | 8.88 | .Q | V | . | . | . |
| 12.700 | 4.5427 | 8.91 | .Q | V | . | . | . |
| 12.717 | 4.5550 | 8.94 | .Q | V | . | . | . |
| 12.733 | 4.5674 | 8.97 | .Q | V | . | . | . |
| 12.750 | 4.5798 | 9.00 | .Q | V | . | . | . |
| 12.767 | 4.5922 | 9.03 | .Q | V | . | . | . |
| 12.783 | 4.6047 | 9.05 | .Q | V | . | . | . |
| 12.800 | 4.6172 | 9.07 | .Q | V | . | . | . |
| 12.817 | 4.6297 | 9.09 | .Q | V | . | . | . |
| 12.833 | 4.6422 | 9.10 | .Q | .V | . | . | . |
| 12.850 | 4.6548 | 9.12 | .Q | .V | . | . | . |
| 12.867 | 4.6674 | 9.14 | .Q | .V | . | . | . |
| 12.883 | 4.6800 | 9.15 | .Q | .V | . | . | . |
| 12.900 | 4.6926 | 9.17 | .Q | .V | . | . | . |
| 12.917 | 4.7053 | 9.19 | .Q | .V | . | . | . |
| 12.933 | 4.7179 | 9.20 | .Q | .V | . | . | . |
| 12.950 | 4.7307 | 9.22 | .Q | .V | . | . | . |
| 12.967 | 4.7434 | 9.25 | .Q | .V | . | . | . |
| 12.983 | 4.7562 | 9.28 | .Q | .V | . | . | . |
| 13.000 | 4.7690 | 9.32 | .Q | .V | . | . | . |
| 13.017 | 4.7819 | 9.36 | .Q | .V | . | . | . |
| 13.033 | 4.7948 | 9.39 | .Q | .V | . | . | . |
| 13.050 | 4.8078 | 9.43 | .Q | .V | . | . | . |
| 13.067 | 4.8209 | 9.47 | .Q | .V | . | . | . |
| 13.083 | 4.8340 | 9.50 | .Q | .V | . | . | . |
| 13.100 | 4.8471 | 9.54 | .Q | .V | . | . | . |
| 13.117 | 4.8603 | 9.58 | .Q | .V | . | . | . |
| 13.133 | 4.8735 | 9.61 | .Q | .V | . | . | . |
| 13.150 | 4.8868 | 9.65 | .Q | .V | . | . | . |
| 13.167 | 4.9001 | 9.67 | .Q | .V | . | . | . |
| 13.183 | 4.9135 | 9.69 | .Q | .V | . | . | . |
| 13.200 | 4.9269 | 9.71 | .Q | .V | . | . | . |
| 13.217 | 4.9403 | 9.73 | .Q | .V | . | . | . |
| 13.233 | 4.9537 | 9.75 | .Q | .V | . | . | . |
| 13.250 | 4.9672 | 9.77 | .Q | .V | . | . | . |
| 13.267 | 4.9806 | 9.79 | .Q | .V | . | . | . |
| 13.283 | 4.9942 | 9.81 | .Q | .V | . | . | . |
| 13.300 | 5.0077 | 9.83 | .Q | .V | . | . | . |
| 13.317 | 5.0213 | 9.85 | .Q | .V | . | . | . |
| 13.333 | 5.0349 | 9.87 | .Q | .V | . | . | . |
| 13.350 | 5.0485 | 9.91 | .Q | .V | . | . | . |
| 13.367 | 5.0622 | 9.95 | .Q | .V | . | . | . |
| 13.383 | 5.0760 | 10.00 | .Q | .V | . | . | . |
| 13.400 | 5.0898 | 10.04 | .Q | .V | . | . | . |
| 13.417 | 5.1037 | 10.09 | .Q | .V | . | . | . |
| 13.433 | 5.1177 | 10.13 | .Q | .V | . | . | . |
| 13.450 | 5.1317 | 10.18 | .Q | .V | . | . | . |
| 13.467 | 5.1458 | 10.22 | .Q | .V | . | . | . |
| 13.483 | 5.1599 | 10.27 | .Q | .V | . | . | . |
| 13.500 | 5.1741 | 10.31 | .Q | .V | . | . | . |
| 13.517 | 5.1884 | 10.36 | .Q | .V | . | . | . |
| 13.533 | 5.2027 | 10.40 | .Q | .V | . | . | . |
| 13.550 | 5.2171 | 10.43 | .Q | .V | . | . | . |
| 13.567 | 5.2315 | 10.45 | .Q | .V | . | . | . |
| 13.583 | 5.2459 | 10.48 | .Q | .V | . | . | . |
| 13.600 | 5.2604 | 10.50 | .Q | .V | . | . | . |
| 13.617 | 5.2749 | 10.53 | .Q | .V | . | . | . |
| 13.633 | 5.2894 | 10.55 | .Q | .V | . | . | . |

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|--------|--------|-------|-----|-----|---|---|---|
| 13.650 | 5.3040 | 10.58 | .Q | . V | . | . | . |
| 13.667 | 5.3186 | 10.60 | .Q | . V | . | . | . |
| 13.683 | 5.3332 | 10.63 | .Q | . V | . | . | . |
| 13.700 | 5.3479 | 10.65 | .Q | . V | . | . | . |
| 13.717 | 5.3626 | 10.68 | .Q | . V | . | . | . |
| 13.733 | 5.3774 | 10.72 | .Q | . V | . | . | . |
| 13.750 | 5.3922 | 10.78 | .Q | . V | . | . | . |
| 13.767 | 5.4071 | 10.84 | .Q | . V | . | . | . |
| 13.783 | 5.4221 | 10.89 | .Q | . V | . | . | . |
| 13.800 | 5.4372 | 10.95 | .Q | . V | . | . | . |
| 13.817 | 5.4524 | 11.01 | .Q | . V | . | . | . |
| 13.833 | 5.4676 | 11.06 | .Q | . V | . | . | . |
| 13.850 | 5.4829 | 11.12 | .Q | . V | . | . | . |
| 13.867 | 5.4983 | 11.18 | .Q | . V | . | . | . |
| 13.883 | 5.5138 | 11.23 | .Q | . V | . | . | . |
| 13.900 | 5.5293 | 11.29 | .Q | . V | . | . | . |
| 13.917 | 5.5450 | 11.34 | .Q | . V | . | . | . |
| 13.933 | 5.5606 | 11.37 | .Q | . V | . | . | . |
| 13.950 | 5.5763 | 11.41 | .Q | . V | . | . | . |
| 13.967 | 5.5921 | 11.44 | .Q | . V | . | . | . |
| 13.983 | 5.6079 | 11.47 | .Q | . V | . | . | . |
| 14.000 | 5.6237 | 11.50 | .Q | . V | . | . | . |
| 14.017 | 5.6396 | 11.54 | .Q | . V | . | . | . |
| 14.033 | 5.6556 | 11.57 | . Q | . V | . | . | . |
| 14.050 | 5.6715 | 11.60 | . Q | . V | . | . | . |
| 14.067 | 5.6876 | 11.63 | . Q | . V | . | . | . |
| 14.083 | 5.7036 | 11.66 | . Q | . V | . | . | . |
| 14.100 | 5.7198 | 11.70 | . Q | . V | . | . | . |
| 14.117 | 5.7360 | 11.79 | . Q | . V | . | . | . |
| 14.133 | 5.7524 | 11.90 | . Q | . V | . | . | . |
| 14.150 | 5.7689 | 12.01 | . Q | . V | . | . | . |
| 14.167 | 5.7856 | 12.12 | . Q | . V | . | . | . |
| 14.183 | 5.8025 | 12.23 | . Q | . V | . | . | . |
| 14.200 | 5.8194 | 12.33 | . Q | . V | . | . | . |
| 14.217 | 5.8366 | 12.44 | . Q | . V | . | . | . |
| 14.233 | 5.8539 | 12.55 | . Q | . V | . | . | . |
| 14.250 | 5.8713 | 12.66 | . Q | . V | . | . | . |
| 14.267 | 5.8889 | 12.77 | . Q | . V | . | . | . |
| 14.283 | 5.9066 | 12.88 | . Q | . V | . | . | . |
| 14.300 | 5.9245 | 12.96 | . Q | . V | . | . | . |
| 14.317 | 5.9424 | 13.01 | . Q | . V | . | . | . |
| 14.333 | 5.9604 | 13.05 | . Q | . V | . | . | . |
| 14.350 | 5.9784 | 13.09 | . Q | . V | . | . | . |
| 14.367 | 5.9965 | 13.14 | . Q | . V | . | . | . |
| 14.383 | 6.0147 | 13.18 | . Q | . V | . | . | . |
| 14.400 | 6.0329 | 13.23 | . Q | . V | . | . | . |
| 14.417 | 6.0512 | 13.27 | . Q | . V | . | . | . |
| 14.433 | 6.0695 | 13.31 | . Q | . V | . | . | . |
| 14.450 | 6.0879 | 13.36 | . Q | . V | . | . | . |
| 14.467 | 6.1064 | 13.40 | . Q | . V | . | . | . |
| 14.483 | 6.1249 | 13.45 | . Q | . V | . | . | . |
| 14.500 | 6.1436 | 13.55 | . Q | . V | . | . | . |
| 14.517 | 6.1624 | 13.65 | . Q | . V | . | . | . |
| 14.533 | 6.1813 | 13.75 | . Q | . V | . | . | . |
| 14.550 | 6.2004 | 13.86 | . Q | . V | . | . | . |
| 14.567 | 6.2196 | 13.96 | . Q | . V | . | . | . |
| 14.583 | 6.2390 | 14.07 | . Q | . V | . | . | . |
| 14.600 | 6.2585 | 14.17 | . Q | . V | . | . | . |

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|--------|--------|-------|-----|-----|---|---|---|
| 14.617 | 6.2782 | 14.28 | . Q | . V | . | . | . |
| 14.633 | 6.2980 | 14.38 | . Q | . V | . | . | . |
| 14.650 | 6.3180 | 14.49 | . Q | . V | . | . | . |
| 14.667 | 6.3380 | 14.59 | . Q | . V | . | . | . |
| 14.683 | 6.3583 | 14.67 | . Q | . V | . | . | . |
| 14.700 | 6.3786 | 14.74 | . Q | . V | . | . | . |
| 14.717 | 6.3989 | 14.80 | . Q | . V | . | . | . |
| 14.733 | 6.4194 | 14.86 | . Q | . V | . | . | . |
| 14.750 | 6.4400 | 14.93 | . Q | . V | . | . | . |
| 14.767 | 6.4606 | 14.99 | . Q | . V | . | . | . |
| 14.783 | 6.4814 | 15.05 | . Q | . V | . | . | . |
| 14.800 | 6.5022 | 15.12 | . Q | . V | . | . | . |
| 14.817 | 6.5231 | 15.18 | . Q | . V | . | . | . |
| 14.833 | 6.5441 | 15.24 | . Q | . V | . | . | . |
| 14.850 | 6.5652 | 15.31 | . Q | . V | . | . | . |
| 14.867 | 6.5864 | 15.39 | . Q | . V | . | . | . |
| 14.883 | 6.6078 | 15.54 | . Q | . V | . | . | . |
| 14.900 | 6.6294 | 15.70 | . Q | . V | . | . | . |
| 14.917 | 6.6512 | 15.86 | . Q | . V | . | . | . |
| 14.933 | 6.6733 | 16.02 | . Q | . V | . | . | . |
| 14.950 | 6.6956 | 16.18 | . Q | . V | . | . | . |
| 14.967 | 6.7181 | 16.34 | . Q | . V | . | . | . |
| 14.983 | 6.7408 | 16.50 | . Q | . V | . | . | . |
| 15.000 | 6.7637 | 16.66 | . Q | . V | . | . | . |
| 15.017 | 6.7869 | 16.81 | . Q | . V | . | . | . |
| 15.033 | 6.8103 | 16.97 | . Q | . V | . | . | . |
| 15.050 | 6.8339 | 17.13 | . Q | . V | . | . | . |
| 15.067 | 6.8577 | 17.26 | . Q | . V | . | . | . |
| 15.083 | 6.8816 | 17.36 | . Q | . V | . | . | . |
| 15.100 | 6.9056 | 17.46 | . Q | . V | . | . | . |
| 15.117 | 6.9298 | 17.57 | . Q | . V | . | . | . |
| 15.133 | 6.9542 | 17.67 | . Q | . V | . | . | . |
| 15.150 | 6.9786 | 17.77 | . Q | . V | . | . | . |
| 15.167 | 7.0033 | 17.88 | . Q | . V | . | . | . |
| 15.183 | 7.0280 | 17.98 | . Q | . V | . | . | . |
| 15.200 | 7.0529 | 18.08 | . Q | . V | . | . | . |
| 15.217 | 7.0780 | 18.19 | . Q | . V | . | . | . |
| 15.233 | 7.1032 | 18.29 | . Q | . V | . | . | . |
| 15.250 | 7.1286 | 18.42 | . Q | . V | . | . | . |
| 15.267 | 7.1542 | 18.64 | . Q | . V | . | . | . |
| 15.283 | 7.1802 | 18.86 | . Q | . V | . | . | . |
| 15.300 | 7.2065 | 19.07 | . Q | . V | . | . | . |
| 15.317 | 7.2330 | 19.29 | . Q | . V | . | . | . |
| 15.333 | 7.2599 | 19.51 | . Q | . V | . | . | . |
| 15.350 | 7.2871 | 19.73 | . Q | . V | . | . | . |
| 15.367 | 7.3146 | 19.95 | . Q | . V | . | . | . |
| 15.383 | 7.3423 | 20.16 | . Q | . V | . | . | . |
| 15.400 | 7.3704 | 20.38 | . Q | . V | . | . | . |
| 15.417 | 7.3988 | 20.60 | . Q | . V | . | . | . |
| 15.433 | 7.4275 | 20.81 | . Q | . V | . | . | . |
| 15.450 | 7.4562 | 20.86 | . Q | . V | . | . | . |
| 15.467 | 7.4849 | 20.86 | . Q | . V | . | . | . |
| 15.483 | 7.5137 | 20.86 | . Q | . V | . | . | . |
| 15.500 | 7.5424 | 20.86 | . Q | . V | . | . | . |
| 15.517 | 7.5711 | 20.86 | . Q | . V | . | . | . |
| 15.533 | 7.5999 | 20.86 | . Q | . V | . | . | . |
| 15.550 | 7.6286 | 20.86 | . Q | . V | . | . | . |
| 15.567 | 7.6573 | 20.86 | . Q | . V | . | . | . |

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|--------|---------|--------|-----|-----|----|---|---|
| 15.583 | 7.6861 | 20.86 | . Q | . | V | . | . |
| 15.600 | 7.7148 | 20.86 | . Q | . | V | . | . |
| 15.617 | 7.7435 | 20.86 | . Q | . | V | . | . |
| 15.633 | 7.7727 | 21.18 | . Q | . | V | . | . |
| 15.650 | 7.8031 | 22.06 | . Q | . | V | . | . |
| 15.667 | 7.8347 | 22.94 | . Q | . | V | . | . |
| 15.683 | 7.8675 | 23.83 | . Q | . | V | . | . |
| 15.700 | 7.9015 | 24.71 | . Q | . | V | . | . |
| 15.717 | 7.9368 | 25.59 | . Q | . | V | . | . |
| 15.733 | 7.9733 | 26.48 | . Q | . | V | . | . |
| 15.750 | 8.0110 | 27.36 | . Q | . | V | . | . |
| 15.767 | 8.0499 | 28.25 | . Q | . | V | . | . |
| 15.783 | 8.0900 | 29.13 | . Q | . | V | . | . |
| 15.800 | 8.1313 | 30.01 | . Q | . | V | . | . |
| 15.817 | 8.1739 | 30.91 | . Q | . | V | . | . |
| 15.833 | 8.2179 | 31.93 | . Q | . | V | . | . |
| 15.850 | 8.2633 | 32.97 | . Q | . | V | . | . |
| 15.867 | 8.3102 | 34.01 | . Q | . | V | . | . |
| 15.883 | 8.3584 | 35.06 | . Q | . | V | . | . |
| 15.900 | 8.4082 | 36.10 | . Q | . | V | . | . |
| 15.917 | 8.4593 | 37.14 | . Q | . | V | . | . |
| 15.933 | 8.5119 | 38.18 | . Q | . | V | . | . |
| 15.950 | 8.5660 | 39.22 | . Q | . | V | . | . |
| 15.967 | 8.6214 | 40.27 | . Q | . | V | . | . |
| 15.983 | 8.6783 | 41.31 | . Q | . | V | . | . |
| 16.000 | 8.7367 | 42.35 | . Q | . | V | . | . |
| 16.017 | 8.8070 | 51.10 | . Q | . | V | . | . |
| 16.033 | 8.9001 | 67.55 | . Q | .Q | .V | . | . |
| 16.050 | 9.0158 | 84.00 | . | .Q | .V | . | . |
| 16.067 | 9.1542 | 100.46 | . | .Q | .V | . | . |
| 16.083 | 9.3152 | 116.91 | . | .Q | .V | . | . |
| 16.100 | 9.4989 | 133.36 | . | .VQ | . | . | . |
| 16.117 | 9.7052 | 149.82 | . | .V | .Q | . | . |
| 16.133 | 9.9343 | 166.27 | . | .V | .Q | . | . |
| 16.150 | 10.1859 | 182.72 | . | .V | .Q | . | . |
| 16.167 | 10.4603 | 199.17 | . | .V | .Q | . | . |
| 16.183 | 10.7573 | 215.63 | . | .V | .Q | . | . |
| 16.200 | 11.0754 | 230.93 | . | .V | .Q | . | . |
| 16.217 | 11.3668 | 211.58 | . | .V | .Q | . | . |
| 16.233 | 11.6333 | 193.50 | . | .V | .Q | . | . |
| 16.250 | 11.8750 | 175.42 | . | .V | .Q | . | . |
| 16.267 | 12.0917 | 157.34 | . | .QV | . | . | . |
| 16.283 | 12.2835 | 139.26 | . | .Q | .V | . | . |
| 16.300 | 12.4504 | 121.18 | . | .Q | .V | . | . |
| 16.317 | 12.5924 | 103.10 | . | .Q | .V | . | . |
| 16.333 | 12.7095 | 85.02 | . | .Q | .V | . | . |
| 16.350 | 12.8017 | 66.94 | . | .Q | .V | . | . |
| 16.367 | 12.8690 | 48.86 | . | .Q | .V | . | . |
| 16.383 | 12.9117 | 30.95 | . | .Q | .V | . | . |
| 16.400 | 12.9448 | 24.02 | . | .Q | .V | . | . |
| 16.417 | 12.9773 | 23.63 | . | .Q | .V | . | . |
| 16.433 | 13.0093 | 23.24 | . | .Q | .V | . | . |
| 16.450 | 13.0408 | 22.85 | . | .Q | .V | . | . |
| 16.467 | 13.0717 | 22.46 | . | .Q | .V | . | . |
| 16.483 | 13.1022 | 22.08 | . | .Q | .V | . | . |
| 16.500 | 13.1320 | 21.69 | . | .Q | .V | . | . |
| 16.517 | 13.1614 | 21.30 | . | .Q | .V | . | . |
| 16.533 | 13.1902 | 20.91 | . | .Q | .V | . | . |

| | | | | | | | |
|--------|---------|-------|-----|---|---|----|---|
| 16.550 | 13.2184 | 20.52 | . Q | . | . | .V | . |
| 16.567 | 13.2462 | 20.13 | . Q | . | . | .V | . |
| 16.583 | 13.2734 | 19.76 | . Q | . | . | .V | . |
| 16.600 | 13.3001 | 19.44 | . Q | . | . | .V | . |
| 16.617 | 13.3265 | 19.12 | . Q | . | . | .V | . |
| 16.633 | 13.3524 | 18.81 | . Q | . | . | .V | . |
| 16.650 | 13.3779 | 18.49 | . Q | . | . | .V | . |
| 16.667 | 13.4029 | 18.17 | . Q | . | . | .V | . |
| 16.683 | 13.4275 | 17.86 | . Q | . | . | .V | . |
| 16.700 | 13.4516 | 17.54 | . Q | . | . | .V | . |
| 16.717 | 13.4754 | 17.22 | . Q | . | . | .V | . |
| 16.733 | 13.4987 | 16.91 | . Q | . | . | .V | . |
| 16.750 | 13.5215 | 16.59 | . Q | . | . | .V | . |
| 16.767 | 13.5439 | 16.28 | . Q | . | . | .V | . |
| 16.783 | 13.5660 | 16.05 | . Q | . | . | .V | . |
| 16.800 | 13.5879 | 15.86 | . Q | . | . | .V | . |
| 16.817 | 13.6095 | 15.67 | . Q | . | . | .V | . |
| 16.833 | 13.6308 | 15.48 | . Q | . | . | .V | . |
| 16.850 | 13.6518 | 15.29 | . Q | . | . | .V | . |
| 16.867 | 13.6726 | 15.09 | . Q | . | . | .V | . |
| 16.883 | 13.6932 | 14.90 | . Q | . | . | .V | . |
| 16.900 | 13.7134 | 14.71 | . Q | . | . | .V | . |
| 16.917 | 13.7334 | 14.52 | . Q | . | . | .V | . |
| 16.933 | 13.7531 | 14.32 | . Q | . | . | .V | . |
| 16.950 | 13.7726 | 14.13 | . Q | . | . | .V | . |
| 16.967 | 13.7918 | 13.96 | . Q | . | . | .V | . |
| 16.983 | 13.8109 | 13.82 | . Q | . | . | .V | . |
| 17.000 | 13.8297 | 13.68 | . 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% | 1021.0 |
| 10% | 230.0 |
| 20% | 110.0 |
| 30% | 90.0 |
| 40% | 80.0 |
| 50% | 70.0 |
| 60% | 55.0 |
| 70% | 40.0 |
| 80% | 25.0 |
| 90% | 15.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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Santa Ana, CA92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA F *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 5-YR EV MARCH 2019 CCHIUI *

FILE NAME: 4F05EVS.DAT
TIME/DATE OF STUDY: 14:59 03/13/2019

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 920.00 TO NODE 905.00 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) = 553.80
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.424
LOW LOSS FRACTION = 0.644
TIME OF CONCENTRATION (MIN.) = 10.96
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.18
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.41
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.55
3-HOUR POINT RAINFALL VALUE (INCHES) = 0.92
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.27
24-HOUR POINT RAINFALL VALUE (INCHES) = 2.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 34.76

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 63.08

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. | 123.3 | 246.5 | 369.8 | 493.0 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 10.000 | 6.1719 | 10.60 | Q | V | . | . | . |
| 10.017 | 6.1866 | 10.61 | Q | V | . | . | . |
| 10.033 | 6.2012 | 10.62 | Q | V | . | . | . |
| 10.050 | 6.2158 | 10.64 | Q | V | . | . | . |
| 10.067 | 6.2305 | 10.65 | Q | V | . | . | . |
| 10.083 | 6.2452 | 10.66 | Q | V | . | . | . |
| 10.100 | 6.2599 | 10.67 | Q | V | . | . | . |
| 10.117 | 6.2746 | 10.69 | Q | V | . | . | . |
| 10.133 | 6.2893 | 10.70 | Q | V | . | . | . |
| 10.150 | 6.3041 | 10.71 | Q | V | . | . | . |
| 10.167 | 6.3189 | 10.73 | Q | V | . | . | . |
| 10.183 | 6.3337 | 10.75 | Q | V | . | . | . |
| 10.200 | 6.3485 | 10.78 | Q | V | . | . | . |
| 10.217 | 6.3634 | 10.80 | Q | V | . | . | . |
| 10.233 | 6.3783 | 10.83 | Q | V | . | . | . |
| 10.250 | 6.3933 | 10.85 | Q | V | . | . | . |
| 10.267 | 6.4083 | 10.88 | Q | V | . | . | . |
| 10.283 | 6.4233 | 10.91 | Q | V | . | . | . |
| 10.300 | 6.4383 | 10.93 | Q | V | . | . | . |
| 10.317 | 6.4534 | 10.96 | Q | V | . | . | . |
| 10.333 | 6.4686 | 10.98 | Q | V | . | . | . |
| 10.350 | 6.4837 | 11.01 | Q | V | . | . | . |
| 10.367 | 6.4989 | 11.02 | Q | V | . | . | . |
| 10.383 | 6.5141 | 11.03 | Q | V | . | . | . |
| 10.400 | 6.5293 | 11.05 | Q | V | . | . | . |
| 10.417 | 6.5445 | 11.06 | Q | V | . | . | . |
| 10.433 | 6.5598 | 11.07 | Q | V | . | . | . |
| 10.450 | 6.5751 | 11.09 | Q | V | . | . | . |
| 10.467 | 6.5904 | 11.10 | Q | V | . | . | . |
| 10.483 | 6.6057 | 11.11 | Q | V | . | . | . |
| 10.500 | 6.6210 | 11.13 | Q | V | . | . | . |
| 10.517 | 6.6363 | 11.14 | Q | V | . | . | . |
| 10.533 | 6.6517 | 11.16 | Q | V | . | . | . |
| 10.550 | 6.6671 | 11.19 | Q | V | . | . | . |
| 10.567 | 6.6826 | 11.22 | Q | V | . | . | . |
| 10.583 | 6.6981 | 11.24 | Q | V | . | . | . |
| 10.600 | 6.7136 | 11.27 | Q | V | . | . | . |
| 10.617 | 6.7292 | 11.30 | Q | V | . | . | . |
| 10.633 | 6.7448 | 11.33 | Q | V | . | . | . |
| 10.650 | 6.7604 | 11.36 | Q | V | . | . | . |
| 10.667 | 6.7761 | 11.39 | Q | V | . | . | . |
| 10.683 | 6.7918 | 11.42 | Q | V | . | . | . |
| 10.700 | 6.8076 | 11.45 | Q | V | . | . | . |
| 10.717 | 6.8234 | 11.47 | Q | V | . | . | . |
| 10.733 | 6.8392 | 11.48 | Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|---|---|---|---|
| 10.750 | 6.8550 | 11.50 | Q | V | . | . | . |
| 10.767 | 6.8709 | 11.51 | Q | V | . | . | . |
| 10.783 | 6.8868 | 11.53 | Q | V | . | . | . |
| 10.800 | 6.9027 | 11.54 | Q | V | . | . | . |
| 10.817 | 6.9186 | 11.56 | Q | V | . | . | . |
| 10.833 | 6.9345 | 11.57 | Q | V | . | . | . |
| 10.850 | 6.9505 | 11.59 | Q | V | . | . | . |
| 10.867 | 6.9665 | 11.60 | Q | V | . | . | . |
| 10.883 | 6.9825 | 11.62 | Q | V | . | . | . |
| 10.900 | 6.9985 | 11.64 | Q | V | . | . | . |
| 10.917 | 7.0146 | 11.67 | Q | V | . | . | . |
| 10.933 | 7.0307 | 11.71 | Q | V | . | . | . |
| 10.950 | 7.0469 | 11.74 | Q | V | . | . | . |
| 10.967 | 7.0631 | 11.77 | Q | V | . | . | . |
| 10.983 | 7.0794 | 11.80 | Q | V | . | . | . |
| 11.000 | 7.0957 | 11.83 | Q | V | . | . | . |
| 11.017 | 7.1120 | 11.87 | Q | V | . | . | . |
| 11.033 | 7.1284 | 11.90 | Q | V | . | . | . |
| 11.050 | 7.1448 | 11.93 | Q | V | . | . | . |
| 11.067 | 7.1613 | 11.96 | Q | V | . | . | . |
| 11.083 | 7.1778 | 11.99 | Q | V | . | . | . |
| 11.100 | 7.1943 | 12.00 | Q | V | . | . | . |
| 11.117 | 7.2109 | 12.02 | Q | V | . | . | . |
| 11.133 | 7.2275 | 12.04 | Q | V | . | . | . |
| 11.150 | 7.2441 | 12.05 | Q | V | . | . | . |
| 11.167 | 7.2607 | 12.07 | Q | V | . | . | . |
| 11.183 | 7.2774 | 12.09 | Q | V | . | . | . |
| 11.200 | 7.2940 | 12.11 | Q | V | . | . | . |
| 11.217 | 7.3107 | 12.12 | Q | V | . | . | . |
| 11.233 | 7.3275 | 12.14 | Q | V | . | . | . |
| 11.250 | 7.3442 | 12.16 | Q | V | . | . | . |
| 11.267 | 7.3610 | 12.18 | Q | V | . | . | . |
| 11.283 | 7.3778 | 12.22 | Q | V | . | . | . |
| 11.300 | 7.3947 | 12.25 | Q | V | . | . | . |
| 11.317 | 7.4116 | 12.29 | Q | V | . | . | . |
| 11.333 | 7.4286 | 12.33 | Q | V | . | . | . |
| 11.350 | 7.4456 | 12.36 | .Q | V | . | . | . |
| 11.367 | 7.4627 | 12.40 | .Q | V | . | . | . |
| 11.383 | 7.4798 | 12.43 | .Q | V | . | . | . |
| 11.400 | 7.4970 | 12.47 | .Q | V | . | . | . |
| 11.417 | 7.5142 | 12.51 | .Q | V | . | . | . |
| 11.433 | 7.5315 | 12.54 | .Q | V | . | . | . |
| 11.450 | 7.5488 | 12.57 | .Q | V | . | . | . |
| 11.467 | 7.5662 | 12.59 | .Q | V | . | . | . |
| 11.483 | 7.5835 | 12.61 | .Q | V | . | . | . |
| 11.500 | 7.6009 | 12.63 | .Q | V | . | . | . |
| 11.517 | 7.6183 | 12.65 | .Q | V | . | . | . |
| 11.533 | 7.6358 | 12.67 | .Q | V | . | . | . |
| 11.550 | 7.6533 | 12.68 | .Q | V | . | . | . |
| 11.567 | 7.6707 | 12.70 | .Q | V | . | . | . |
| 11.583 | 7.6883 | 12.72 | .Q | V | . | . | . |
| 11.600 | 7.7058 | 12.74 | .Q | V | . | . | . |
| 11.617 | 7.7234 | 12.76 | .Q | V | . | . | . |
| 11.633 | 7.7410 | 12.79 | .Q | V | . | . | . |
| 11.650 | 7.7587 | 12.83 | .Q | V | . | . | . |
| 11.667 | 7.7764 | 12.87 | .Q | V | . | . | . |
| 11.683 | 7.7942 | 12.92 | .Q | V | . | . | . |
| 11.700 | 7.8121 | 12.96 | .Q | V | . | . | . |

| | | | | | | | |
|--------|--------|-------|----|----|---|---|---|
| 11.717 | 7.8300 | 13.00 | .Q | V. | . | . | . |
| 11.733 | 7.8479 | 13.04 | .Q | V. | . | . | . |
| 11.750 | 7.8659 | 13.08 | .Q | V. | . | . | . |
| 11.767 | 7.8840 | 13.12 | .Q | V. | . | . | . |
| 11.783 | 7.9021 | 13.16 | .Q | V. | . | . | . |
| 11.800 | 7.9203 | 13.20 | .Q | V. | . | . | . |
| 11.817 | 7.9386 | 13.23 | .Q | V. | . | . | . |
| 11.833 | 7.9568 | 13.25 | .Q | V. | . | . | . |
| 11.850 | 7.9751 | 13.28 | .Q | V. | . | . | . |
| 11.867 | 7.9934 | 13.30 | .Q | V. | . | . | . |
| 11.883 | 8.0118 | 13.32 | .Q | V. | . | . | . |
| 11.900 | 8.0301 | 13.34 | .Q | V. | . | . | . |
| 11.917 | 8.0485 | 13.36 | .Q | V. | . | . | . |
| 11.933 | 8.0670 | 13.39 | .Q | V. | . | . | . |
| 11.950 | 8.0854 | 13.41 | .Q | V. | . | . | . |
| 11.967 | 8.1039 | 13.43 | .Q | V. | . | . | . |
| 11.983 | 8.1225 | 13.45 | .Q | V. | . | . | . |
| 12.000 | 8.1413 | 13.66 | .Q | V. | . | . | . |
| 12.017 | 8.1606 | 13.99 | .Q | V. | . | . | . |
| 12.033 | 8.1803 | 14.31 | .Q | V. | . | . | . |
| 12.050 | 8.2004 | 14.64 | .Q | V. | . | . | . |
| 12.067 | 8.2210 | 14.96 | .Q | V. | . | . | . |
| 12.083 | 8.2421 | 15.28 | .Q | V. | . | . | . |
| 12.100 | 8.2636 | 15.61 | .Q | V. | . | . | . |
| 12.117 | 8.2855 | 15.93 | .Q | V. | . | . | . |
| 12.133 | 8.3079 | 16.26 | .Q | V. | . | . | . |
| 12.150 | 8.3308 | 16.58 | .Q | V. | . | . | . |
| 12.167 | 8.3541 | 16.91 | .Q | V. | . | . | . |
| 12.183 | 8.3776 | 17.07 | .Q | V. | . | . | . |
| 12.200 | 8.4012 | 17.15 | .Q | V. | . | . | . |
| 12.217 | 8.4249 | 17.22 | .Q | V. | . | . | . |
| 12.233 | 8.4487 | 17.30 | .Q | V. | . | . | . |
| 12.250 | 8.4727 | 17.38 | .Q | V. | . | . | . |
| 12.267 | 8.4967 | 17.46 | .Q | V. | . | . | . |
| 12.283 | 8.5209 | 17.53 | .Q | V. | . | . | . |
| 12.300 | 8.5451 | 17.61 | .Q | V. | . | . | . |
| 12.317 | 8.5695 | 17.69 | .Q | V. | . | . | . |
| 12.333 | 8.5940 | 17.76 | .Q | V. | . | . | . |
| 12.350 | 8.6185 | 17.84 | .Q | V. | . | . | . |
| 12.367 | 8.6432 | 17.91 | .Q | V. | . | . | . |
| 12.383 | 8.6679 | 17.96 | .Q | V. | . | . | . |
| 12.400 | 8.6928 | 18.02 | .Q | V | . | . | . |
| 12.417 | 8.7177 | 18.08 | .Q | V | . | . | . |
| 12.433 | 8.7427 | 18.14 | .Q | V | . | . | . |
| 12.450 | 8.7677 | 18.20 | .Q | V | . | . | . |
| 12.467 | 8.7929 | 18.26 | .Q | V | . | . | . |
| 12.483 | 8.8181 | 18.31 | .Q | V | . | . | . |
| 12.500 | 8.8434 | 18.37 | .Q | V | . | . | . |
| 12.517 | 8.8688 | 18.43 | .Q | V | . | . | . |
| 12.533 | 8.8942 | 18.49 | .Q | V | . | . | . |
| 12.550 | 8.9198 | 18.53 | .Q | V | . | . | . |
| 12.567 | 8.9453 | 18.56 | .Q | V | . | . | . |
| 12.583 | 8.9709 | 18.59 | .Q | V | . | . | . |
| 12.600 | 8.9966 | 18.62 | .Q | V | . | . | . |
| 12.617 | 9.0223 | 18.65 | .Q | V | . | . | . |
| 12.633 | 9.0480 | 18.68 | .Q | V | . | . | . |
| 12.650 | 9.0738 | 18.71 | .Q | V | . | . | . |
| 12.667 | 9.0996 | 18.75 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.683 | 9.1255 | 18.78 | .Q | V | . | . | . |
| 12.700 | 9.1514 | 18.81 | .Q | V | . | . | . |
| 12.717 | 9.1773 | 18.84 | .Q | V | . | . | . |
| 12.733 | 9.2034 | 18.90 | .Q | V | . | . | . |
| 12.750 | 9.2295 | 18.97 | .Q | V | . | . | . |
| 12.767 | 9.2557 | 19.04 | .Q | V | . | . | . |
| 12.783 | 9.2820 | 19.11 | .Q | V | . | . | . |
| 12.800 | 9.3084 | 19.17 | .Q | V | . | . | . |
| 12.817 | 9.3349 | 19.24 | .Q | V | . | . | . |
| 12.833 | 9.3615 | 19.31 | .Q | V | . | . | . |
| 12.850 | 9.3882 | 19.38 | .Q | V | . | . | . |
| 12.867 | 9.4150 | 19.45 | .Q | V | . | . | . |
| 12.883 | 9.4419 | 19.52 | .Q | V | . | . | . |
| 12.900 | 9.4689 | 19.58 | .Q | V | . | . | . |
| 12.917 | 9.4959 | 19.63 | .Q | V | . | . | . |
| 12.933 | 9.5230 | 19.66 | .Q | V | . | . | . |
| 12.950 | 9.5501 | 19.70 | .Q | V | . | . | . |
| 12.967 | 9.5773 | 19.74 | .Q | .V | . | . | . |
| 12.983 | 9.6046 | 19.77 | .Q | .V | . | . | . |
| 13.000 | 9.6318 | 19.81 | .Q | .V | . | . | . |
| 13.017 | 9.6592 | 19.85 | .Q | .V | . | . | . |
| 13.033 | 9.6866 | 19.89 | .Q | .V | . | . | . |
| 13.050 | 9.7140 | 19.92 | .Q | .V | . | . | . |
| 13.067 | 9.7415 | 19.96 | .Q | .V | . | . | . |
| 13.083 | 9.7691 | 20.00 | .Q | .V | . | . | . |
| 13.100 | 9.7967 | 20.07 | .Q | .V | . | . | . |
| 13.117 | 9.8245 | 20.15 | .Q | .V | . | . | . |
| 13.133 | 9.8523 | 20.24 | .Q | .V | . | . | . |
| 13.150 | 9.8803 | 20.32 | .Q | .V | . | . | . |
| 13.167 | 9.9084 | 20.40 | .Q | .V | . | . | . |
| 13.183 | 9.9366 | 20.48 | .Q | .V | . | . | . |
| 13.200 | 9.9650 | 20.56 | .Q | .V | . | . | . |
| 13.217 | 9.9934 | 20.64 | .Q | .V | . | . | . |
| 13.233 | 10.0219 | 20.73 | .Q | .V | . | . | . |
| 13.250 | 10.0506 | 20.81 | .Q | .V | . | . | . |
| 13.267 | 10.0794 | 20.89 | .Q | .V | . | . | . |
| 13.283 | 10.1082 | 20.94 | .Q | .V | . | . | . |
| 13.300 | 10.1371 | 20.98 | .Q | .V | . | . | . |
| 13.317 | 10.1661 | 21.03 | .Q | .V | . | . | . |
| 13.333 | 10.1951 | 21.07 | .Q | .V | . | . | . |
| 13.350 | 10.2242 | 21.12 | .Q | .V | . | . | . |
| 13.367 | 10.2533 | 21.16 | .Q | .V | . | . | . |
| 13.383 | 10.2825 | 21.21 | .Q | .V | . | . | . |
| 13.400 | 10.3118 | 21.25 | .Q | .V | . | . | . |
| 13.417 | 10.3412 | 21.30 | .Q | .V | . | . | . |
| 13.433 | 10.3705 | 21.34 | .Q | .V | . | . | . |
| 13.450 | 10.4000 | 21.39 | .Q | .V | . | . | . |
| 13.467 | 10.4296 | 21.48 | .Q | .V | . | . | . |
| 13.483 | 10.4593 | 21.58 | .Q | .V | . | . | . |
| 13.500 | 10.4892 | 21.68 | .Q | .V | . | . | . |
| 13.517 | 10.5192 | 21.78 | .Q | .V | . | . | . |
| 13.533 | 10.5493 | 21.88 | .Q | .V | . | . | . |
| 13.550 | 10.5796 | 21.98 | .Q | .V | . | . | . |
| 13.567 | 10.6100 | 22.08 | .Q | .V | . | . | . |
| 13.583 | 10.6406 | 22.18 | .Q | .V | . | . | . |
| 13.600 | 10.6713 | 22.28 | .Q | .V | . | . | . |
| 13.617 | 10.7021 | 22.38 | .Q | .V | . | . | . |
| 13.633 | 10.7330 | 22.47 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 10.7641 | 22.54 | .Q | . V | . | . | . |
| 13.667 | 10.7952 | 22.59 | .Q | . V | . | . | . |
| 13.683 | 10.8264 | 22.65 | .Q | . V | . | . | . |
| 13.700 | 10.8577 | 22.70 | .Q | . V | . | . | . |
| 13.717 | 10.8890 | 22.76 | .Q | . V | . | . | . |
| 13.733 | 10.9204 | 22.81 | .Q | . V | . | . | . |
| 13.750 | 10.9519 | 22.87 | .Q | . V | . | . | . |
| 13.767 | 10.9835 | 22.92 | .Q | . V | . | . | . |
| 13.783 | 11.0152 | 22.98 | .Q | . V | . | . | . |
| 13.800 | 11.0469 | 23.04 | .Q | . V | . | . | . |
| 13.817 | 11.0787 | 23.10 | .Q | . V | . | . | . |
| 13.833 | 11.1107 | 23.22 | .Q | . V | . | . | . |
| 13.850 | 11.1428 | 23.34 | .Q | . V | . | . | . |
| 13.867 | 11.1752 | 23.47 | .Q | . V | . | . | . |
| 13.883 | 11.2077 | 23.60 | .Q | . V | . | . | . |
| 13.900 | 11.2403 | 23.72 | .Q | . V | . | . | . |
| 13.917 | 11.2732 | 23.85 | .Q | . V | . | . | . |
| 13.933 | 11.3062 | 23.97 | .Q | . V | . | . | . |
| 13.950 | 11.3394 | 24.10 | .Q | . V | . | . | . |
| 13.967 | 11.3728 | 24.22 | .Q | . V | . | . | . |
| 13.983 | 11.4063 | 24.35 | .Q | . V | . | . | . |
| 14.000 | 11.4400 | 24.47 | .Q | . V | . | . | . |
| 14.017 | 11.4738 | 24.55 | .Q | . V | . | . | . |
| 14.033 | 11.5077 | 24.63 | .Q | . V | . | . | . |
| 14.050 | 11.5418 | 24.71 | . Q | . V | . | . | . |
| 14.067 | 11.5759 | 24.78 | . Q | . V | . | . | . |
| 14.083 | 11.6102 | 24.86 | . Q | . V | . | . | . |
| 14.100 | 11.6445 | 24.94 | . Q | . V | . | . | . |
| 14.117 | 11.6790 | 25.02 | . Q | . V | . | . | . |
| 14.133 | 11.7135 | 25.10 | . Q | . V | . | . | . |
| 14.150 | 11.7482 | 25.17 | . Q | . V | . | . | . |
| 14.167 | 11.7830 | 25.25 | . Q | . V | . | . | . |
| 14.183 | 11.8179 | 25.35 | . Q | . V | . | . | . |
| 14.200 | 11.8531 | 25.51 | . Q | . V | . | . | . |
| 14.217 | 11.8884 | 25.69 | . Q | . V | . | . | . |
| 14.233 | 11.9241 | 25.86 | . Q | . V | . | . | . |
| 14.250 | 11.9599 | 26.04 | . Q | . V | . | . | . |
| 14.267 | 11.9960 | 26.21 | . Q | . V | . | . | . |
| 14.283 | 12.0324 | 26.38 | . Q | . V | . | . | . |
| 14.300 | 12.0689 | 26.56 | . Q | . V | . | . | . |
| 14.317 | 12.1058 | 26.73 | . Q | . V | . | . | . |
| 14.333 | 12.1428 | 26.91 | . Q | . V | . | . | . |
| 14.350 | 12.1801 | 27.08 | . Q | . V | . | . | . |
| 14.367 | 12.2176 | 27.24 | . Q | . V | . | . | . |
| 14.383 | 12.2553 | 27.34 | . Q | . V | . | . | . |
| 14.400 | 12.2931 | 27.44 | . Q | . V | . | . | . |
| 14.417 | 12.3310 | 27.53 | . Q | . V | . | . | . |
| 14.433 | 12.3691 | 27.63 | . Q | . V | . | . | . |
| 14.450 | 12.4073 | 27.72 | . Q | . V | . | . | . |
| 14.467 | 12.4456 | 27.82 | . Q | . V | . | . | . |
| 14.483 | 12.4840 | 27.92 | . Q | . V | . | . | . |
| 14.500 | 12.5226 | 28.01 | . Q | . V | . | . | . |
| 14.517 | 12.5613 | 28.11 | . Q | . V | . | . | . |
| 14.533 | 12.6002 | 28.21 | . Q | . V | . | . | . |
| 14.550 | 12.6392 | 28.33 | . Q | . V | . | . | . |
| 14.567 | 12.6786 | 28.56 | . Q | . V | . | . | . |
| 14.583 | 12.7182 | 28.79 | . Q | . V | . | . | . |
| 14.600 | 12.7582 | 29.02 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 14.617 | 12.7985 | 29.25 | . Q | . V | . | . | . |
| 14.633 | 12.8391 | 29.48 | . Q | . V | . | . | . |
| 14.650 | 12.8800 | 29.71 | . Q | . V | . | . | . |
| 14.667 | 12.9212 | 29.94 | . Q | . V | . | . | . |
| 14.683 | 12.9628 | 30.17 | . Q | . V | . | . | . |
| 14.700 | 13.0046 | 30.40 | . Q | . V | . | . | . |
| 14.717 | 13.0468 | 30.63 | . Q | . V | . | . | . |
| 14.733 | 13.0893 | 30.83 | . Q | . V | . | . | . |
| 14.750 | 13.1319 | 30.97 | . Q | . V | . | . | . |
| 14.767 | 13.1748 | 31.11 | . Q | . V | . | . | . |
| 14.783 | 13.2179 | 31.25 | . Q | . V | . | . | . |
| 14.800 | 13.2611 | 31.39 | . Q | . V | . | . | . |
| 14.817 | 13.3045 | 31.53 | . Q | . V | . | . | . |
| 14.833 | 13.3482 | 31.67 | . Q | . V | . | . | . |
| 14.850 | 13.3920 | 31.81 | . Q | . V | . | . | . |
| 14.867 | 13.4360 | 31.95 | . Q | . V | . | . | . |
| 14.883 | 13.4802 | 32.09 | . Q | . V | . | . | . |
| 14.900 | 13.5246 | 32.23 | . Q | . V | . | . | . |
| 14.917 | 13.5692 | 32.43 | . Q | . V | . | . | . |
| 14.933 | 13.6144 | 32.78 | . Q | . V | . | . | . |
| 14.950 | 13.6600 | 33.13 | . Q | . V | . | . | . |
| 14.967 | 13.7061 | 33.48 | . Q | . V | . | . | . |
| 14.983 | 13.7527 | 33.83 | . Q | . V | . | . | . |
| 15.000 | 13.7998 | 34.18 | . Q | . V | . | . | . |
| 15.017 | 13.8474 | 34.53 | . Q | . V | . | . | . |
| 15.033 | 13.8954 | 34.88 | . Q | . V | . | . | . |
| 15.050 | 13.9440 | 35.24 | . Q | . V | . | . | . |
| 15.067 | 13.9930 | 35.59 | . Q | . V | . | . | . |
| 15.083 | 14.0425 | 35.94 | . Q | . V | . | . | . |
| 15.100 | 14.0924 | 36.25 | . Q | . V | . | . | . |
| 15.117 | 14.1427 | 36.48 | . Q | . V | . | . | . |
| 15.133 | 14.1932 | 36.71 | . Q | . V | . | . | . |
| 15.150 | 14.2441 | 36.94 | . Q | . V | . | . | . |
| 15.167 | 14.2953 | 37.16 | . Q | . V | . | . | . |
| 15.183 | 14.3468 | 37.39 | . Q | . V | . | . | . |
| 15.200 | 14.3986 | 37.62 | . Q | . V | . | . | . |
| 15.217 | 14.4507 | 37.85 | . Q | . V | . | . | . |
| 15.233 | 14.5032 | 38.07 | . Q | . V | . | . | . |
| 15.250 | 14.5559 | 38.30 | . Q | . V | . | . | . |
| 15.267 | 14.6090 | 38.53 | . Q | . V | . | . | . |
| 15.283 | 14.6625 | 38.83 | . Q | . V | . | . | . |
| 15.300 | 14.7166 | 39.28 | . Q | . V | . | . | . |
| 15.317 | 14.7713 | 39.72 | . Q | . V | . | . | . |
| 15.333 | 14.8266 | 40.17 | . Q | . V | . | . | . |
| 15.350 | 14.8826 | 40.62 | . Q | . V | . | . | . |
| 15.367 | 14.9391 | 41.06 | . Q | . V | . | . | . |
| 15.383 | 14.9963 | 41.51 | . Q | . V | . | . | . |
| 15.400 | 15.0541 | 41.95 | . Q | . V | . | . | . |
| 15.417 | 15.1125 | 42.40 | . Q | . V | . | . | . |
| 15.433 | 15.1715 | 42.85 | . Q | . V | . | . | . |
| 15.450 | 15.2312 | 43.29 | . Q | . V | . | . | . |
| 15.467 | 15.2913 | 43.67 | . Q | . V | . | . | . |
| 15.483 | 15.3518 | 43.92 | . Q | . V | . | . | . |
| 15.500 | 15.4127 | 44.18 | . Q | . V | . | . | . |
| 15.517 | 15.4739 | 44.44 | . Q | . V | . | . | . |
| 15.533 | 15.5354 | 44.70 | . Q | . V | . | . | . |
| 15.550 | 15.5974 | 44.95 | . Q | . V | . | . | . |
| 15.567 | 15.6596 | 45.21 | . Q | . V | . | . | . |

| | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|
| 15.583 | 15.7223 | 45.47 | . | Q | . | V | . | . |
| 15.600 | 15.7853 | 45.73 | . | Q | . | V | . | . |
| 15.617 | 15.8486 | 45.99 | . | Q | . | V | . | . |
| 15.633 | 15.9123 | 46.24 | . | Q | . | V | . | . |
| 15.650 | 15.9774 | 47.27 | . | Q | . | V | . | . |
| 15.667 | 16.0454 | 49.35 | . | Q | . | V | . | . |
| 15.683 | 16.1162 | 51.44 | . | Q | . | V | . | . |
| 15.700 | 16.1900 | 53.52 | . | Q | . | V | . | . |
| 15.717 | 16.2666 | 55.61 | . | Q | . | V | . | . |
| 15.733 | 16.3460 | 57.69 | . | Q | . | V | . | . |
| 15.750 | 16.4284 | 59.78 | . | Q | . | V | . | . |
| 15.767 | 16.5136 | 61.87 | . | Q | . | V | . | . |
| 15.783 | 16.6017 | 63.95 | . | Q | . | V | . | . |
| 15.800 | 16.6926 | 66.04 | . | Q | . | V | . | . |
| 15.817 | 16.7865 | 68.12 | . | Q | . | V | . | . |
| 15.833 | 16.8833 | 70.29 | . | Q | . | V | . | . |
| 15.850 | 16.9832 | 72.55 | . | Q | . | V | . | . |
| 15.867 | 17.0863 | 74.81 | . | Q | . | V | . | . |
| 15.883 | 17.1924 | 77.07 | . | Q | . | V | . | . |
| 15.900 | 17.3017 | 79.33 | . | Q | . | V | . | . |
| 15.917 | 17.4141 | 81.60 | . | Q | . | V | . | . |
| 15.933 | 17.5296 | 83.86 | . | Q | . | V | . | . |
| 15.950 | 17.6482 | 86.12 | . | Q | . | V | . | . |
| 15.967 | 17.7699 | 88.38 | . | Q | . | V | . | . |
| 15.983 | 17.8948 | 90.64 | . | Q | . | V | . | . |
| 16.000 | 18.0228 | 92.90 | . | Q | . | V | . | . |
| 16.017 | 18.1774 | 112.24 | . | Q | . | V | . | . |
| 16.033 | 18.3821 | 148.64 | . | Q | . | V | . | . |
| 16.050 | 18.6370 | 185.05 | . | Q | . | V | . | . |
| 16.067 | 18.9420 | 221.46 | . | Q | . | V | . | . |
| 16.083 | 19.2972 | 257.86 | . | Q | . | V | . | . |
| 16.100 | 19.7025 | 294.27 | . | Q | . | V | . | . |
| 16.117 | 20.1580 | 330.67 | . | Q | . | V | . | . |
| 16.133 | 20.6636 | 367.08 | . | Q | . | V | . | . |
| 16.150 | 21.2194 | 403.48 | . | Q | . | V | . | . |
| 16.167 | 21.8253 | 439.89 | . | Q | . | V | . | . |
| 16.183 | 22.5044 | 493.04 | . | Q | . | V | . | . |
| 16.200 | 23.1537 | 471.40 | . | Q | . | V | . | . |
| 16.217 | 23.7478 | 431.31 | . | Q | . | V | . | . |
| 16.233 | 24.2867 | 391.22 | . | Q | . | V | . | . |
| 16.250 | 24.7704 | 351.13 | . | Q | . | V | . | . |
| 16.267 | 25.1988 | 311.05 | . | Q | . | V | . | . |
| 16.283 | 25.5720 | 270.96 | . | Q | . | V | . | . |
| 16.300 | 25.8900 | 230.87 | . | Q | . | V | . | . |
| 16.317 | 26.1528 | 190.79 | . | Q | . | V | . | . |
| 16.333 | 26.3604 | 150.70 | . | Q | . | V | . | . |
| 16.350 | 26.5128 | 110.61 | . | Q | . | V | . | . |
| 16.367 | 26.6101 | 70.65 | . | Q | . | V | . | . |
| 16.383 | 26.6831 | 53.05 | . | Q | . | V | . | . |
| 16.400 | 26.7547 | 51.97 | . | Q | . | V | . | . |
| 16.417 | 26.8248 | 50.88 | . | Q | . | V | . | . |
| 16.433 | 26.8934 | 49.79 | . | Q | . | V | . | . |
| 16.450 | 26.9604 | 48.70 | . | Q | . | V | . | . |
| 16.467 | 27.0260 | 47.61 | . | Q | . | V | . | . |
| 16.483 | 27.0901 | 46.52 | . | Q | . | V | . | . |
| 16.500 | 27.1527 | 45.43 | . | Q | . | V | . | . |
| 16.517 | 27.2137 | 44.34 | . | Q | . | V | . | . |
| 16.533 | 27.2733 | 43.25 | . | Q | . | V | . | . |

| | | | | | | | | | |
|--------|---------|-------|---|---|---|---|---|----|---|
| 16.550 | 27.3314 | 42.16 | . | Q | . | . | . | .V | . |
| 16.567 | 27.3883 | 41.31 | . | Q | . | . | . | .V | . |
| 16.583 | 27.4442 | 40.62 | . | Q | . | . | . | .V | . |
| 16.600 | 27.4992 | 39.92 | . | Q | . | . | . | .V | . |
| 16.617 | 27.5532 | 39.22 | . | Q | . | . | . | .V | . |
| 16.633 | 27.6063 | 38.52 | . | Q | . | . | . | .V | . |
| 16.650 | 27.6584 | 37.83 | . | Q | . | . | . | .V | . |
| 16.667 | 27.7095 | 37.13 | . | Q | . | . | . | .V | . |
| 16.683 | 27.7597 | 36.43 | . | Q | . | . | . | .V | . |
| 16.700 | 27.8090 | 35.73 | . | Q | . | . | . | .V | . |
| 16.717 | 27.8572 | 35.04 | . | Q | . | . | . | .V | . |
| 16.733 | 27.9045 | 34.34 | . | Q | . | . | . | .V | . |
| 16.750 | 27.9511 | 33.82 | . | Q | . | . | . | .V | . |
| 16.767 | 27.9971 | 33.40 | . | Q | . | . | . | .V | . |
| 16.783 | 28.0425 | 32.98 | . | Q | . | . | . | .V | . |
| 16.800 | 28.0874 | 32.55 | . | Q | . | . | . | .V | . |
| 16.817 | 28.1316 | 32.13 | . | Q | . | . | . | .V | . |
| 16.833 | 28.1753 | 31.71 | . | Q | . | . | . | .V | . |
| 16.850 | 28.2184 | 31.29 | . | Q | . | . | . | .V | . |
| 16.867 | 28.2609 | 30.86 | . | Q | . | . | . | .V | . |
| 16.883 | 28.3028 | 30.44 | . | Q | . | . | . | .V | . |
| 16.900 | 28.3442 | 30.02 | . | Q | . | . | . | .V | . |
| 16.917 | 28.3850 | 29.60 | . | Q | . | . | . | .V | . |
| 16.933 | 28.4253 | 29.26 | . | Q | . | . | . | .V | . |
| 16.950 | 28.4652 | 28.97 | . | Q | . | . | . | .V | . |
| 16.967 | 28.5047 | 28.68 | . | Q | . | . | . | .V | . |
| 16.983 | 28.5438 | 28.39 | . | Q | . | . | . | .V | . |
| 17.000 | 28.5825 | 28.10 | . | 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% | 1021.0 |
| 10% | 235.0 |
| 20% | 105.0 |
| 30% | 95.0 |
| 40% | 75.0 |
| 50% | 65.0 |
| 60% | 50.0 |
| 70% | 40.0 |
| 80% | 25.0 |
| 90% | 10.0 |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1264

Analysis prepared by:

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Santa Ana, CA
92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA F *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 10-YR EV ROKAMOTO AUGUST 2018 *

FILE NAME: 4F10EVS.DAT
TIME/DATE OF STUDY: 08:13 08/15/2018

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 920.00 TO NODE 905.00 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) = 553.80
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.254
LOW LOSS FRACTION = 0.543
TIME OF CONCENTRATION (MIN.) = 17.80
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 5
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.26
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.59
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.78
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.31
6-HOUR POINT RAINFALL VALUE (INCHES) = 1.81
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.03

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 65.00

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 74.83

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. | 163.5 | 327.1 | 490.6 | 654.1 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 10.000 | 11.3152 | 19.24 | .Q | V | . | . | . |
| 10.017 | 11.3418 | 19.26 | .Q | V | . | . | . |
| 10.033 | 11.3683 | 19.28 | .Q | V | . | . | . |
| 10.050 | 11.3949 | 19.30 | .Q | V | . | . | . |
| 10.067 | 11.4215 | 19.32 | .Q | V | . | . | . |
| 10.083 | 11.4482 | 19.36 | .Q | V | . | . | . |
| 10.100 | 11.4749 | 19.40 | .Q | V | . | . | . |
| 10.117 | 11.5017 | 19.45 | .Q | V | . | . | . |
| 10.133 | 11.5285 | 19.49 | .Q | V | . | . | . |
| 10.150 | 11.5554 | 19.54 | .Q | V | . | . | . |
| 10.167 | 11.5824 | 19.58 | .Q | V | . | . | . |
| 10.183 | 11.6095 | 19.63 | .Q | V | . | . | . |
| 10.200 | 11.6366 | 19.68 | .Q | V | . | . | . |
| 10.217 | 11.6637 | 19.72 | .Q | V | . | . | . |
| 10.233 | 11.6910 | 19.77 | .Q | V | . | . | . |
| 10.250 | 11.7182 | 19.81 | .Q | V | . | . | . |
| 10.267 | 11.7456 | 19.86 | .Q | V | . | . | . |
| 10.283 | 11.7730 | 19.90 | .Q | V | . | . | . |
| 10.300 | 11.8005 | 19.95 | .Q | V | . | . | . |
| 10.317 | 11.8280 | 20.00 | .Q | V | . | . | . |
| 10.333 | 11.8556 | 20.04 | .Q | V | . | . | . |
| 10.350 | 11.8833 | 20.09 | .Q | V | . | . | . |
| 10.367 | 11.9110 | 20.13 | .Q | V | . | . | . |
| 10.383 | 11.9388 | 20.16 | .Q | V | . | . | . |
| 10.400 | 11.9666 | 20.19 | .Q | V | . | . | . |
| 10.417 | 11.9945 | 20.21 | .Q | V | . | . | . |
| 10.433 | 12.0223 | 20.24 | .Q | V | . | . | . |
| 10.450 | 12.0502 | 20.26 | .Q | V | . | . | . |
| 10.467 | 12.0782 | 20.29 | .Q | V | . | . | . |
| 10.483 | 12.1062 | 20.31 | .Q | V | . | . | . |
| 10.500 | 12.1342 | 20.34 | .Q | V | . | . | . |
| 10.517 | 12.1622 | 20.36 | .Q | V | . | . | . |
| 10.533 | 12.1903 | 20.39 | .Q | V | . | . | . |
| 10.550 | 12.2184 | 20.41 | .Q | V | . | . | . |
| 10.567 | 12.2466 | 20.44 | .Q | V | . | . | . |
| 10.583 | 12.2748 | 20.46 | .Q | V | . | . | . |
| 10.600 | 12.3030 | 20.49 | .Q | V | . | . | . |
| 10.617 | 12.3312 | 20.51 | .Q | V | . | . | . |
| 10.633 | 12.3595 | 20.54 | .Q | V | . | . | . |
| 10.650 | 12.3878 | 20.56 | .Q | V | . | . | . |
| 10.667 | 12.4162 | 20.59 | .Q | V | . | . | . |
| 10.683 | 12.4446 | 20.64 | .Q | V | . | . | . |
| 10.700 | 12.4731 | 20.69 | .Q | V | . | . | . |
| 10.717 | 12.5017 | 20.74 | .Q | V | . | . | . |
| 10.733 | 12.5303 | 20.80 | .Q | V | . | . | . |

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|--------|---------|-------|----|---|---|---|---|
| 10.750 | 12.5591 | 20.85 | .Q | V | . | . | . |
| 10.767 | 12.5879 | 20.91 | .Q | V | . | . | . |
| 10.783 | 12.6167 | 20.96 | .Q | V | . | . | . |
| 10.800 | 12.6457 | 21.02 | .Q | V | . | . | . |
| 10.817 | 12.6747 | 21.07 | .Q | V | . | . | . |
| 10.833 | 12.7038 | 21.12 | .Q | V | . | . | . |
| 10.850 | 12.7330 | 21.18 | .Q | V | . | . | . |
| 10.867 | 12.7622 | 21.23 | .Q | V | . | . | . |
| 10.883 | 12.7915 | 21.29 | .Q | V | . | . | . |
| 10.900 | 12.8209 | 21.34 | .Q | V | . | . | . |
| 10.917 | 12.8504 | 21.39 | .Q | V | . | . | . |
| 10.933 | 12.8799 | 21.45 | .Q | V | . | . | . |
| 10.950 | 12.9096 | 21.50 | .Q | V | . | . | . |
| 10.967 | 12.9392 | 21.55 | .Q | V | . | . | . |
| 10.983 | 12.9690 | 21.58 | .Q | V | . | . | . |
| 11.000 | 12.9987 | 21.61 | .Q | V | . | . | . |
| 11.017 | 13.0286 | 21.64 | .Q | V | . | . | . |
| 11.033 | 13.0584 | 21.67 | .Q | V | . | . | . |
| 11.050 | 13.0883 | 21.70 | .Q | V | . | . | . |
| 11.067 | 13.1182 | 21.73 | .Q | V | . | . | . |
| 11.083 | 13.1482 | 21.76 | .Q | V | . | . | . |
| 11.100 | 13.1782 | 21.79 | .Q | V | . | . | . |
| 11.117 | 13.2083 | 21.82 | .Q | V | . | . | . |
| 11.133 | 13.2384 | 21.85 | .Q | V | . | . | . |
| 11.150 | 13.2685 | 21.88 | .Q | V | . | . | . |
| 11.167 | 13.2987 | 21.91 | .Q | V | . | . | . |
| 11.183 | 13.3289 | 21.94 | .Q | V | . | . | . |
| 11.200 | 13.3592 | 21.97 | .Q | V | . | . | . |
| 11.217 | 13.3895 | 22.00 | .Q | V | . | . | . |
| 11.233 | 13.4198 | 22.03 | .Q | V | . | . | . |
| 11.250 | 13.4502 | 22.06 | .Q | V | . | . | . |
| 11.267 | 13.4806 | 22.10 | .Q | V | . | . | . |
| 11.283 | 13.5112 | 22.16 | .Q | V | . | . | . |
| 11.300 | 13.5418 | 22.23 | .Q | V | . | . | . |
| 11.317 | 13.5725 | 22.29 | .Q | V | . | . | . |
| 11.333 | 13.6033 | 22.36 | .Q | V | . | . | . |
| 11.350 | 13.6342 | 22.42 | .Q | V | . | . | . |
| 11.367 | 13.6652 | 22.49 | .Q | V | . | . | . |
| 11.383 | 13.6962 | 22.56 | .Q | V | . | . | . |
| 11.400 | 13.7274 | 22.62 | .Q | V | . | . | . |
| 11.417 | 13.7586 | 22.69 | .Q | V | . | . | . |
| 11.433 | 13.7900 | 22.75 | .Q | V | . | . | . |
| 11.450 | 13.8214 | 22.82 | .Q | V | . | . | . |
| 11.467 | 13.8529 | 22.88 | .Q | V | . | . | . |
| 11.483 | 13.8845 | 22.95 | .Q | V | . | . | . |
| 11.500 | 13.9162 | 23.01 | .Q | V | . | . | . |
| 11.517 | 13.9480 | 23.08 | .Q | V | . | . | . |
| 11.533 | 13.9799 | 23.14 | .Q | V | . | . | . |
| 11.550 | 14.0119 | 23.21 | .Q | V | . | . | . |
| 11.567 | 14.0439 | 23.26 | .Q | V | . | . | . |
| 11.583 | 14.0760 | 23.30 | .Q | V | . | . | . |
| 11.600 | 14.1081 | 23.33 | .Q | V | . | . | . |
| 11.617 | 14.1403 | 23.37 | .Q | V | . | . | . |
| 11.633 | 14.1726 | 23.40 | .Q | V | . | . | . |
| 11.650 | 14.2048 | 23.44 | .Q | V | . | . | . |
| 11.667 | 14.2372 | 23.48 | .Q | V | . | . | . |
| 11.683 | 14.2696 | 23.51 | .Q | V | . | . | . |
| 11.700 | 14.3020 | 23.55 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 11.717 | 14.3345 | 23.59 | .Q | V | . | . | . |
| 11.733 | 14.3670 | 23.62 | .Q | V | . | . | . |
| 11.750 | 14.3996 | 23.66 | .Q | V | . | . | . |
| 11.767 | 14.4322 | 23.69 | .Q | V | . | . | . |
| 11.783 | 14.4649 | 23.73 | .Q | V | . | . | . |
| 11.800 | 14.4977 | 23.77 | .Q | V | . | . | . |
| 11.817 | 14.5305 | 23.80 | .Q | V | . | . | . |
| 11.833 | 14.5633 | 23.84 | .Q | V | . | . | . |
| 11.850 | 14.5962 | 23.88 | .Q | V | . | . | . |
| 11.867 | 14.6292 | 24.00 | .Q | V | . | . | . |
| 11.883 | 14.6625 | 24.16 | .Q | V | . | . | . |
| 11.900 | 14.6960 | 24.33 | .Q | V | . | . | . |
| 11.917 | 14.7298 | 24.49 | .Q | V | . | . | . |
| 11.933 | 14.7637 | 24.65 | .Q | V | . | . | . |
| 11.950 | 14.7979 | 24.82 | .Q | V | . | . | . |
| 11.967 | 14.8323 | 24.98 | .Q | V | . | . | . |
| 11.983 | 14.8669 | 25.14 | .Q | V | . | . | . |
| 12.000 | 14.9018 | 25.30 | .Q | V | . | . | . |
| 12.017 | 14.9369 | 25.47 | .Q | V | . | . | . |
| 12.033 | 14.9722 | 25.63 | .Q | V | . | . | . |
| 12.050 | 15.0077 | 25.79 | .Q | V | . | . | . |
| 12.067 | 15.0434 | 25.96 | .Q | V | . | . | . |
| 12.083 | 15.0794 | 26.12 | .Q | V | . | . | . |
| 12.100 | 15.1156 | 26.28 | .Q | V | . | . | . |
| 12.117 | 15.1521 | 26.45 | .Q | V | . | . | . |
| 12.133 | 15.1887 | 26.61 | .Q | V | . | . | . |
| 12.150 | 15.2256 | 26.79 | .Q | V | . | . | . |
| 12.167 | 15.2629 | 27.09 | .Q | V | . | . | . |
| 12.183 | 15.3007 | 27.42 | .Q | V | . | . | . |
| 12.200 | 15.3389 | 27.75 | .Q | V | . | . | . |
| 12.217 | 15.3776 | 28.08 | .Q | V | . | . | . |
| 12.233 | 15.4167 | 28.41 | .Q | V | . | . | . |
| 12.250 | 15.4563 | 28.74 | .Q | V | . | . | . |
| 12.267 | 15.4964 | 29.07 | .Q | V | . | . | . |
| 12.283 | 15.5369 | 29.40 | .Q | V | . | . | . |
| 12.300 | 15.5778 | 29.74 | .Q | V | . | . | . |
| 12.317 | 15.6192 | 30.07 | .Q | V | . | . | . |
| 12.333 | 15.6611 | 30.40 | .Q | V | . | . | . |
| 12.350 | 15.7034 | 30.73 | .Q | V | . | . | . |
| 12.367 | 15.7462 | 31.06 | .Q | V | . | . | . |
| 12.383 | 15.7894 | 31.39 | .Q | V | . | . | . |
| 12.400 | 15.8331 | 31.72 | .Q | V | . | . | . |
| 12.417 | 15.8773 | 32.05 | .Q | V | . | . | . |
| 12.433 | 15.9219 | 32.38 | .Q | V | . | . | . |
| 12.450 | 15.9669 | 32.68 | .Q | V | . | . | . |
| 12.467 | 16.0121 | 32.80 | .Q | V | . | . | . |
| 12.483 | 16.0574 | 32.91 | .Q | V | . | . | . |
| 12.500 | 16.1029 | 33.02 | .Q | V | . | . | . |
| 12.517 | 16.1485 | 33.13 | .Q | V | . | . | . |
| 12.533 | 16.1943 | 33.24 | .Q | V | . | . | . |
| 12.550 | 16.2403 | 33.35 | .Q | V | . | . | . |
| 12.567 | 16.2863 | 33.46 | .Q | V | . | . | . |
| 12.583 | 16.3326 | 33.57 | .Q | V | . | . | . |
| 12.600 | 16.3790 | 33.68 | .Q | V | . | . | . |
| 12.617 | 16.4255 | 33.79 | .Q | V | . | . | . |
| 12.633 | 16.4722 | 33.89 | .Q | V | . | . | . |
| 12.650 | 16.5190 | 34.00 | .Q | V | . | . | . |
| 12.667 | 16.5660 | 34.11 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.683 | 16.6131 | 34.22 | .Q | V | . | . | . |
| 12.700 | 16.6604 | 34.33 | .Q | V | . | . | . |
| 12.717 | 16.7079 | 34.44 | .Q | V | . | . | . |
| 12.733 | 16.7555 | 34.55 | .Q | V | . | . | . |
| 12.750 | 16.8032 | 34.64 | .Q | V | . | . | . |
| 12.767 | 16.8510 | 34.71 | .Q | V | . | . | . |
| 12.783 | 16.8989 | 34.77 | .Q | V | . | . | . |
| 12.800 | 16.9468 | 34.83 | .Q | V | . | . | . |
| 12.817 | 16.9949 | 34.89 | .Q | V | . | . | . |
| 12.833 | 17.0431 | 34.95 | .Q | V | . | . | . |
| 12.850 | 17.0913 | 35.02 | .Q | V | . | . | . |
| 12.867 | 17.1396 | 35.08 | .Q | V | . | . | . |
| 12.883 | 17.1880 | 35.14 | .Q | V | . | . | . |
| 12.900 | 17.2365 | 35.20 | .Q | V | . | . | . |
| 12.917 | 17.2851 | 35.27 | .Q | V | . | . | . |
| 12.933 | 17.3337 | 35.33 | .Q | V | . | . | . |
| 12.950 | 17.3825 | 35.39 | .Q | V | . | . | . |
| 12.967 | 17.4313 | 35.45 | .Q | V | . | . | . |
| 12.983 | 17.4802 | 35.51 | .Q | V | . | . | . |
| 13.000 | 17.5292 | 35.58 | .Q | V | . | . | . |
| 13.017 | 17.5783 | 35.64 | .Q | V | . | . | . |
| 13.033 | 17.6275 | 35.70 | .Q | V | . | . | . |
| 13.050 | 17.6768 | 35.80 | .Q | V | . | . | . |
| 13.067 | 17.7263 | 35.95 | .Q | V | . | . | . |
| 13.083 | 17.7760 | 36.09 | .Q | V | . | . | . |
| 13.100 | 17.8259 | 36.23 | .Q | V | . | . | . |
| 13.117 | 17.8760 | 36.38 | .Q | .V | . | . | . |
| 13.133 | 17.9263 | 36.52 | .Q | .V | . | . | . |
| 13.150 | 17.9768 | 36.66 | .Q | .V | . | . | . |
| 13.167 | 18.0275 | 36.81 | .Q | .V | . | . | . |
| 13.183 | 18.0784 | 36.95 | .Q | .V | . | . | . |
| 13.200 | 18.1295 | 37.09 | .Q | .V | . | . | . |
| 13.217 | 18.1808 | 37.24 | .Q | .V | . | . | . |
| 13.233 | 18.2323 | 37.38 | .Q | .V | . | . | . |
| 13.250 | 18.2840 | 37.52 | .Q | .V | . | . | . |
| 13.267 | 18.3359 | 37.67 | .Q | .V | . | . | . |
| 13.283 | 18.3879 | 37.81 | .Q | .V | . | . | . |
| 13.300 | 18.4402 | 37.95 | .Q | .V | . | . | . |
| 13.317 | 18.4927 | 38.10 | .Q | .V | . | . | . |
| 13.333 | 18.5454 | 38.24 | .Q | .V | . | . | . |
| 13.350 | 18.5982 | 38.34 | .Q | .V | . | . | . |
| 13.367 | 18.6511 | 38.42 | .Q | .V | . | . | . |
| 13.383 | 18.7041 | 38.51 | .Q | .V | . | . | . |
| 13.400 | 18.7573 | 38.59 | .Q | .V | . | . | . |
| 13.417 | 18.8106 | 38.68 | .Q | .V | . | . | . |
| 13.433 | 18.8640 | 38.76 | .Q | .V | . | . | . |
| 13.450 | 18.9175 | 38.84 | .Q | .V | . | . | . |
| 13.467 | 18.9711 | 38.93 | .Q | .V | . | . | . |
| 13.483 | 19.0248 | 39.01 | .Q | .V | . | . | . |
| 13.500 | 19.0787 | 39.09 | .Q | .V | . | . | . |
| 13.517 | 19.1326 | 39.18 | .Q | .V | . | . | . |
| 13.533 | 19.1867 | 39.26 | .Q | .V | . | . | . |
| 13.550 | 19.2409 | 39.34 | .Q | .V | . | . | . |
| 13.567 | 19.2952 | 39.43 | .Q | .V | . | . | . |
| 13.583 | 19.3496 | 39.51 | .Q | .V | . | . | . |
| 13.600 | 19.4042 | 39.60 | .Q | .V | . | . | . |
| 13.617 | 19.4588 | 39.68 | .Q | .V | . | . | . |
| 13.633 | 19.5136 | 39.77 | .Q | .V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 19.5686 | 39.95 | . Q | . V | . | . | . |
| 13.667 | 19.6239 | 40.15 | . Q | . V | . | . | . |
| 13.683 | 19.6795 | 40.35 | . Q | . V | . | . | . |
| 13.700 | 19.7354 | 40.55 | . Q | . V | . | . | . |
| 13.717 | 19.7915 | 40.75 | . Q | . V | . | . | . |
| 13.733 | 19.8479 | 40.95 | . Q | . V | . | . | . |
| 13.750 | 19.9046 | 41.15 | . Q | . V | . | . | . |
| 13.767 | 19.9615 | 41.35 | . Q | . V | . | . | . |
| 13.783 | 20.0188 | 41.55 | . Q | . V | . | . | . |
| 13.800 | 20.0763 | 41.75 | . Q | . V | . | . | . |
| 13.817 | 20.1341 | 41.95 | . Q | . V | . | . | . |
| 13.833 | 20.1921 | 42.15 | . Q | . V | . | . | . |
| 13.850 | 20.2504 | 42.35 | . Q | . V | . | . | . |
| 13.867 | 20.3090 | 42.55 | . Q | . V | . | . | . |
| 13.883 | 20.3679 | 42.75 | . Q | . V | . | . | . |
| 13.900 | 20.4271 | 42.95 | . Q | . V | . | . | . |
| 13.917 | 20.4865 | 43.15 | . Q | . V | . | . | . |
| 13.933 | 20.5462 | 43.33 | . Q | . V | . | . | . |
| 13.950 | 20.6061 | 43.46 | . Q | . V | . | . | . |
| 13.967 | 20.6661 | 43.59 | . Q | . V | . | . | . |
| 13.983 | 20.7263 | 43.71 | . Q | . V | . | . | . |
| 14.000 | 20.7867 | 43.84 | . Q | . V | . | . | . |
| 14.017 | 20.8473 | 43.96 | . Q | . V | . | . | . |
| 14.033 | 20.9080 | 44.09 | . Q | . V | . | . | . |
| 14.050 | 20.9689 | 44.21 | . Q | . V | . | . | . |
| 14.067 | 21.0300 | 44.34 | . Q | . V | . | . | . |
| 14.083 | 21.0912 | 44.46 | . Q | . V | . | . | . |
| 14.100 | 21.1526 | 44.59 | . Q | . V | . | . | . |
| 14.117 | 21.2142 | 44.71 | . Q | . V | . | . | . |
| 14.133 | 21.2759 | 44.84 | . Q | . V | . | . | . |
| 14.150 | 21.3379 | 44.96 | . Q | . V | . | . | . |
| 14.167 | 21.4000 | 45.08 | . Q | . V | . | . | . |
| 14.183 | 21.4622 | 45.21 | . Q | . V | . | . | . |
| 14.200 | 21.5247 | 45.33 | . Q | . V | . | . | . |
| 14.217 | 21.5873 | 45.46 | . Q | . V | . | . | . |
| 14.233 | 21.6502 | 45.65 | . Q | . V | . | . | . |
| 14.250 | 21.7135 | 45.98 | . Q | . V | . | . | . |
| 14.267 | 21.7773 | 46.31 | . Q | . V | . | . | . |
| 14.283 | 21.8416 | 46.64 | . Q | . V | . | . | . |
| 14.300 | 21.9063 | 46.98 | . Q | . V | . | . | . |
| 14.317 | 21.9714 | 47.31 | . Q | . V | . | . | . |
| 14.333 | 22.0371 | 47.64 | . Q | . V | . | . | . |
| 14.350 | 22.1031 | 47.98 | . Q | . V | . | . | . |
| 14.367 | 22.1697 | 48.31 | . Q | . V | . | . | . |
| 14.383 | 22.2367 | 48.64 | . Q | . V | . | . | . |
| 14.400 | 22.3041 | 48.98 | . Q | . V | . | . | . |
| 14.417 | 22.3721 | 49.31 | . Q | . V | . | . | . |
| 14.433 | 22.4404 | 49.64 | . Q | . V | . | . | . |
| 14.450 | 22.5093 | 49.98 | . Q | . V | . | . | . |
| 14.467 | 22.5786 | 50.31 | . Q | . V | . | . | . |
| 14.483 | 22.6483 | 50.64 | . Q | . V | . | . | . |
| 14.500 | 22.7185 | 50.97 | . Q | . V | . | . | . |
| 14.517 | 22.7892 | 51.31 | . Q | . V | . | . | . |
| 14.533 | 22.8603 | 51.57 | . Q | . V | . | . | . |
| 14.550 | 22.9316 | 51.77 | . Q | . V | . | . | . |
| 14.567 | 23.0031 | 51.97 | . Q | . V | . | . | . |
| 14.583 | 23.0750 | 52.17 | . Q | . V | . | . | . |
| 14.600 | 23.1471 | 52.37 | . Q | . V | . | . | . |

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|--------|---------|-------|-----|-----|---|---|---|
| 14.617 | 23.2195 | 52.56 | . Q | . V | . | . | . |
| 14.633 | 23.2922 | 52.76 | . Q | . V | . | . | . |
| 14.650 | 23.3651 | 52.96 | . Q | . V | . | . | . |
| 14.667 | 23.4384 | 53.16 | . Q | . V | . | . | . |
| 14.683 | 23.5119 | 53.36 | . Q | . V | . | . | . |
| 14.700 | 23.5856 | 53.55 | . Q | . V | . | . | . |
| 14.717 | 23.6597 | 53.75 | . Q | . V | . | . | . |
| 14.733 | 23.7340 | 53.95 | . Q | . V | . | . | . |
| 14.750 | 23.8086 | 54.15 | . Q | . V | . | . | . |
| 14.767 | 23.8834 | 54.35 | . Q | . V | . | . | . |
| 14.783 | 23.9585 | 54.54 | . Q | . V | . | . | . |
| 14.800 | 24.0339 | 54.74 | . Q | . V | . | . | . |
| 14.817 | 24.1096 | 54.95 | . Q | . V | . | . | . |
| 14.833 | 24.1859 | 55.38 | . Q | . V | . | . | . |
| 14.850 | 24.2630 | 55.94 | . Q | . V | . | . | . |
| 14.867 | 24.3408 | 56.49 | . Q | . V | . | . | . |
| 14.883 | 24.4193 | 57.04 | . Q | . V | . | . | . |
| 14.900 | 24.4987 | 57.59 | . Q | . V | . | . | . |
| 14.917 | 24.5788 | 58.14 | . Q | . V | . | . | . |
| 14.933 | 24.6596 | 58.70 | . Q | . V | . | . | . |
| 14.950 | 24.7412 | 59.25 | . Q | . V | . | . | . |
| 14.967 | 24.8236 | 59.80 | . Q | . V | . | . | . |
| 14.983 | 24.9067 | 60.35 | . Q | . V | . | . | . |
| 15.000 | 24.9906 | 60.90 | . Q | . V | . | . | . |
| 15.017 | 25.0752 | 61.45 | . Q | . V | . | . | . |
| 15.033 | 25.1606 | 62.01 | . Q | . V | . | . | . |
| 15.050 | 25.2468 | 62.56 | . Q | . V | . | . | . |
| 15.067 | 25.3337 | 63.11 | . Q | . V | . | . | . |
| 15.083 | 25.4214 | 63.66 | . Q | . V | . | . | . |
| 15.100 | 25.5099 | 64.21 | . Q | . V | . | . | . |
| 15.117 | 25.5991 | 64.75 | . Q | . V | . | . | . |
| 15.133 | 25.6889 | 65.19 | . Q | . V | . | . | . |
| 15.150 | 25.7792 | 65.60 | . Q | . V | . | . | . |
| 15.167 | 25.8701 | 66.01 | . Q | . V | . | . | . |
| 15.183 | 25.9616 | 66.42 | . Q | . V | . | . | . |
| 15.200 | 26.0537 | 66.82 | . Q | . V | . | . | . |
| 15.217 | 26.1463 | 67.23 | . Q | . V | . | . | . |
| 15.233 | 26.2394 | 67.64 | . Q | . V | . | . | . |
| 15.250 | 26.3332 | 68.05 | . Q | . V | . | . | . |
| 15.267 | 26.4275 | 68.46 | . Q | . V | . | . | . |
| 15.283 | 26.5223 | 68.87 | . Q | . V | . | . | . |
| 15.300 | 26.6178 | 69.28 | . Q | . V | . | . | . |
| 15.317 | 26.7138 | 69.69 | . Q | . V | . | . | . |
| 15.333 | 26.8103 | 70.10 | . Q | . V | . | . | . |
| 15.350 | 26.9074 | 70.51 | . Q | . V | . | . | . |
| 15.367 | 27.0051 | 70.92 | . Q | . V | . | . | . |
| 15.383 | 27.1034 | 71.33 | . Q | . V | . | . | . |
| 15.400 | 27.2022 | 71.74 | . Q | . V | . | . | . |
| 15.417 | 27.3016 | 72.21 | . Q | . V | . | . | . |
| 15.433 | 27.4022 | 72.97 | . Q | . V | . | . | . |
| 15.450 | 27.5037 | 73.76 | . Q | . V | . | . | . |
| 15.467 | 27.6064 | 74.54 | . Q | . V | . | . | . |
| 15.483 | 27.7102 | 75.33 | . Q | . V | . | . | . |
| 15.500 | 27.8150 | 76.11 | . Q | . V | . | . | . |
| 15.517 | 27.9209 | 76.90 | . Q | . V | . | . | . |
| 15.533 | 28.0279 | 77.68 | . Q | . V | . | . | . |
| 15.550 | 28.1360 | 78.47 | . Q | . V | . | . | . |
| 15.567 | 28.2452 | 79.26 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|
| 15.583 | 28.3554 | 80.04 | . | Q | . | V | . | . | . |
| 15.600 | 28.4668 | 80.83 | . | Q | . | V | . | . | . |
| 15.617 | 28.5792 | 81.61 | . | Q | . | V | . | . | . |
| 15.633 | 28.6927 | 82.40 | . | Q | . | V | . | . | . |
| 15.650 | 28.8073 | 83.19 | . | Q | . | V | . | . | . |
| 15.667 | 28.9229 | 83.97 | . | Q | . | V | . | . | . |
| 15.683 | 29.0397 | 84.76 | . | Q | . | V | . | . | . |
| 15.700 | 29.1575 | 85.54 | . | Q | . | V | . | . | . |
| 15.717 | 29.2778 | 87.31 | . | Q | . | V | . | . | . |
| 15.733 | 29.4033 | 91.10 | . | Q | . | V | . | . | . |
| 15.750 | 29.5340 | 94.95 | . | Q | . | V | . | . | . |
| 15.767 | 29.6701 | 98.80 | . | Q | . | V | . | . | . |
| 15.783 | 29.8115 | 102.66 | . | Q | . | V | . | . | . |
| 15.800 | 29.9582 | 106.51 | . | Q | . | V | . | . | . |
| 15.817 | 30.1103 | 110.36 | . | Q | . | V | . | . | . |
| 15.833 | 30.2676 | 114.21 | . | Q | . | V | . | . | . |
| 15.850 | 30.4302 | 118.06 | . | Q | . | V | . | . | . |
| 15.867 | 30.5981 | 121.91 | . | Q | . | V | . | . | . |
| 15.883 | 30.7713 | 125.76 | . | Q | . | V | . | . | . |
| 15.900 | 30.9499 | 129.62 | . | Q | . | V | . | . | . |
| 15.917 | 31.1337 | 133.47 | . | Q | . | V | . | . | . |
| 15.933 | 31.3229 | 137.32 | . | Q | . | V | . | . | . |
| 15.950 | 31.5173 | 141.17 | . | Q | . | V | . | . | . |
| 15.967 | 31.7171 | 145.02 | . | Q | . | V | . | . | . |
| 15.983 | 31.9221 | 148.87 | . | Q | . | V | . | . | . |
| 16.000 | 32.1325 | 152.73 | . | Q | . | V | . | . | . |
| 16.017 | 32.3648 | 168.68 | . | Q | . | V | . | . | . |
| 16.033 | 32.6358 | 196.74 | . | . | Q | V | . | . | . |
| 16.050 | 32.9455 | 224.80 | . | . | Q | V | . | . | . |
| 16.067 | 33.2938 | 252.86 | . | . | Q | V | . | . | . |
| 16.083 | 33.6807 | 280.92 | . | . | Q | V | . | . | . |
| 16.100 | 34.1063 | 308.98 | . | . | Q | V | . | . | . |
| 16.117 | 34.5706 | 337.04 | . | . | Q | V | . | . | . |
| 16.133 | 35.0735 | 365.10 | . | . | . | V | Q | . | . |
| 16.150 | 35.6150 | 393.17 | . | . | . | V | Q | . | . |
| 16.167 | 36.1952 | 421.23 | . | . | . | V | Q | . | . |
| 16.183 | 36.8141 | 449.29 | . | . | . | V | Q | . | . |
| 16.200 | 37.4716 | 477.35 | . | . | . | V | Q | . | . |
| 16.217 | 38.1677 | 505.41 | . | . | . | V | Q | . | . |
| 16.233 | 38.9025 | 533.47 | . | . | . | V | Q | . | . |
| 16.250 | 39.6760 | 561.53 | . | . | . | V | Q | . | . |
| 16.267 | 40.4881 | 589.59 | . | . | . | V | Q | . | . |
| 16.283 | 41.3388 | 617.65 | . | . | . | V | Q | . | . |
| 16.300 | 42.2399 | 654.13 | . | . | . | V | Q | . | . |
| 16.317 | 43.1096 | 631.47 | . | . | . | V | Q | . | . |
| 16.333 | 43.9348 | 599.09 | . | . | . | V | Q | . | . |
| 16.350 | 44.7154 | 566.71 | . | . | . | V | Q | . | . |
| 16.367 | 45.4514 | 534.34 | . | . | . | V | Q | . | . |
| 16.383 | 46.1428 | 501.96 | . | . | . | V | Q | . | . |
| 16.400 | 46.7897 | 469.59 | . | . | . | V | Q | . | . |
| 16.417 | 47.3919 | 437.21 | . | . | . | V | Q | . | . |
| 16.433 | 47.9495 | 404.84 | . | . | . | V | Q | . | . |
| 16.450 | 48.4625 | 372.46 | . | . | . | V | Q | . | . |
| 16.467 | 48.9310 | 340.08 | . | . | . | V | Q | . | . |
| 16.483 | 49.3548 | 307.71 | . | . | . | V | Q | . | . |
| 16.500 | 49.7340 | 275.33 | . | . | . | V | Q | . | . |
| 16.517 | 50.0687 | 242.96 | . | . | . | V | Q | . | . |
| 16.533 | 50.3587 | 210.58 | . | . | . | V | Q | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|
| 16.550 | 50.6042 | 178.20 | . | Q | . | . | . | . | . |
| 16.567 | 50.8051 | 145.83 | . | Q | . | . | . | . | . |
| 16.583 | 50.9613 | 113.45 | . | Q | . | . | . | . | . |
| 16.600 | 51.0765 | 83.58 | . | Q | . | . | . | . | . |
| 16.617 | 51.1824 | 76.90 | . | Q | . | . | . | . | . |
| 16.633 | 51.2869 | 75.86 | . | Q | . | . | . | . | . |
| 16.650 | 51.3899 | 74.82 | . | Q | . | . | . | . | . |
| 16.667 | 51.4916 | 73.78 | . | Q | . | . | . | . | . |
| 16.683 | 51.5918 | 72.74 | . | Q | . | . | . | . | . |
| 16.700 | 51.6905 | 71.70 | . | Q | . | . | . | . | . |
| 16.717 | 51.7879 | 70.66 | . | Q | . | . | . | . | . |
| 16.733 | 51.8838 | 69.62 | . | Q | . | . | . | . | . |
| 16.750 | 51.9782 | 68.58 | . | Q | . | . | . | . | . |
| 16.767 | 52.0713 | 67.54 | . | Q | . | . | . | . | . |
| 16.783 | 52.1629 | 66.50 | . | Q | . | . | . | . | . |
| 16.800 | 52.2530 | 65.46 | . | Q | . | . | . | . | . |
| 16.817 | 52.3418 | 64.42 | . | Q | . | . | . | . | . |
| 16.833 | 52.4291 | 63.38 | . | Q | . | . | . | . | . |
| 16.850 | 52.5150 | 62.34 | . | Q | . | . | . | . | . |
| 16.867 | 52.5994 | 61.30 | . | Q | . | . | . | . | . |
| 16.883 | 52.6824 | 60.26 | . | Q | . | . | . | . | . |
| 16.900 | 52.7641 | 59.30 | . | Q | . | . | . | . | . |
| 16.917 | 52.8449 | 58.66 | . | Q | . | . | . | . | . |
| 16.933 | 52.9249 | 58.05 | . | Q | . | . | . | . | . |
| 16.950 | 53.0040 | 57.45 | . | Q | . | . | . | . | . |
| 16.967 | 53.0823 | 56.84 | . | Q | . | . | . | . | . |
| 16.983 | 53.1597 | 56.23 | . | Q | . | . | . | . | . |
| 17.000 | 53.2364 | 55.63 | . | Q | . | . | . | . | . |

 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% | 1021.0 |
| 10% | 500.0 |
| 20% | 200.0 |
| 30% | 155.0 |
| 40% | 130.0 |
| 50% | 110.0 |
| 60% | 90.0 |
| 70% | 65.0 |
| 80% | 45.0 |
| 90% | 25.0 |

END OF FLOODSCx ROUTING 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)
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Ver. 20.0 Release Date: 06/01/2013 License ID 1264

Analysis prepared by:

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Santa Ana, CA
92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA F *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 25-YR EV ROKAMOTO JUNE 2018 *

FILE NAME: 4F25EVS.DAT
TIME/DATE OF STUDY: 08:10 08/15/2018

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 920.00 TO NODE 905.00 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) = 553.80
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.254
LOW LOSS FRACTION = 0.488
TIME OF CONCENTRATION (MIN.) = 17.15
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
ORANGE COUNTY "VALLEY" RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 10
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.34
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.72
1-HOUR POINT RAINFALL VALUE (INCHES) = 0.95
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.59
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.20
24-HOUR POINT RAINFALL VALUE (INCHES) = 3.68

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 86.93

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 82.90

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. | 216.7 | 433.4 | 650.1 | 866.8 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 10.000 | 15.3836 | 26.36 | .Q | V | . | . | . |
| 10.017 | 15.4200 | 26.40 | .Q | V | . | . | . |
| 10.033 | 15.4564 | 26.43 | .Q | V | . | . | . |
| 10.050 | 15.4928 | 26.46 | .Q | V | . | . | . |
| 10.067 | 15.5293 | 26.49 | .Q | V | . | . | . |
| 10.083 | 15.5658 | 26.52 | .Q | V | . | . | . |
| 10.100 | 15.6024 | 26.55 | .Q | V | . | . | . |
| 10.117 | 15.6390 | 26.58 | .Q | V | . | . | . |
| 10.133 | 15.6757 | 26.61 | .Q | V | . | . | . |
| 10.150 | 15.7124 | 26.64 | .Q | V | . | . | . |
| 10.167 | 15.7491 | 26.67 | .Q | V | . | . | . |
| 10.183 | 15.7859 | 26.70 | .Q | V | . | . | . |
| 10.200 | 15.8227 | 26.73 | .Q | V | . | . | . |
| 10.217 | 15.8596 | 26.77 | .Q | V | . | . | . |
| 10.233 | 15.8965 | 26.80 | .Q | V | . | . | . |
| 10.250 | 15.9335 | 26.83 | .Q | V | . | . | . |
| 10.267 | 15.9705 | 26.86 | .Q | V | . | . | . |
| 10.283 | 16.0075 | 26.89 | .Q | V | . | . | . |
| 10.300 | 16.0446 | 26.94 | .Q | V | . | . | . |
| 10.317 | 16.0818 | 27.00 | .Q | V | . | . | . |
| 10.333 | 16.1191 | 27.07 | .Q | V | . | . | . |
| 10.350 | 16.1564 | 27.13 | .Q | V | . | . | . |
| 10.367 | 16.1939 | 27.20 | .Q | V | . | . | . |
| 10.383 | 16.2315 | 27.27 | .Q | V | . | . | . |
| 10.400 | 16.2691 | 27.33 | .Q | V | . | . | . |
| 10.417 | 16.3068 | 27.40 | .Q | V | . | . | . |
| 10.433 | 16.3447 | 27.46 | .Q | V | . | . | . |
| 10.450 | 16.3826 | 27.53 | .Q | V | . | . | . |
| 10.467 | 16.4206 | 27.60 | .Q | V | . | . | . |
| 10.483 | 16.4587 | 27.66 | .Q | V | . | . | . |
| 10.500 | 16.4969 | 27.73 | .Q | V | . | . | . |
| 10.517 | 16.5352 | 27.79 | .Q | V | . | . | . |
| 10.533 | 16.5736 | 27.86 | .Q | V | . | . | . |
| 10.550 | 16.6120 | 27.93 | .Q | V | . | . | . |
| 10.567 | 16.6506 | 27.99 | .Q | V | . | . | . |
| 10.583 | 16.6892 | 28.05 | .Q | V | . | . | . |
| 10.600 | 16.7279 | 28.08 | .Q | V | . | . | . |
| 10.617 | 16.7666 | 28.12 | .Q | V | . | . | . |
| 10.633 | 16.8054 | 28.16 | .Q | V | . | . | . |
| 10.650 | 16.8442 | 28.19 | .Q | V | . | . | . |
| 10.667 | 16.8831 | 28.23 | .Q | V | . | . | . |
| 10.683 | 16.9221 | 28.26 | .Q | V | . | . | . |
| 10.700 | 16.9610 | 28.30 | .Q | V | . | . | . |
| 10.717 | 17.0001 | 28.34 | .Q | V | . | . | . |
| 10.733 | 17.0391 | 28.37 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 10.750 | 17.0783 | 28.41 | .Q | V | . | . | . |
| 10.767 | 17.1175 | 28.44 | .Q | V | . | . | . |
| 10.783 | 17.1567 | 28.48 | .Q | V | . | . | . |
| 10.800 | 17.1960 | 28.51 | .Q | V | . | . | . |
| 10.817 | 17.2353 | 28.55 | .Q | V | . | . | . |
| 10.833 | 17.2747 | 28.59 | .Q | V | . | . | . |
| 10.850 | 17.3141 | 28.62 | .Q | V | . | . | . |
| 10.867 | 17.3536 | 28.67 | .Q | V | . | . | . |
| 10.883 | 17.3932 | 28.74 | .Q | V | . | . | . |
| 10.900 | 17.4329 | 28.82 | .Q | V | . | . | . |
| 10.917 | 17.4727 | 28.90 | .Q | V | . | . | . |
| 10.933 | 17.5126 | 28.98 | .Q | V | . | . | . |
| 10.950 | 17.5526 | 29.06 | .Q | V | . | . | . |
| 10.967 | 17.5927 | 29.14 | .Q | V | . | . | . |
| 10.983 | 17.6330 | 29.21 | .Q | V | . | . | . |
| 11.000 | 17.6733 | 29.29 | .Q | V | . | . | . |
| 11.017 | 17.7138 | 29.37 | .Q | V | . | . | . |
| 11.033 | 17.7543 | 29.45 | .Q | V | . | . | . |
| 11.050 | 17.7950 | 29.53 | .Q | V | . | . | . |
| 11.067 | 17.8358 | 29.60 | .Q | V | . | . | . |
| 11.083 | 17.8767 | 29.68 | .Q | V | . | . | . |
| 11.100 | 17.9177 | 29.76 | .Q | V | . | . | . |
| 11.117 | 17.9588 | 29.84 | .Q | V | . | . | . |
| 11.133 | 18.0000 | 29.92 | .Q | V | . | . | . |
| 11.150 | 18.0413 | 29.99 | .Q | V | . | . | . |
| 11.167 | 18.0827 | 30.04 | .Q | V | . | . | . |
| 11.183 | 18.1241 | 30.08 | .Q | V | . | . | . |
| 11.200 | 18.1656 | 30.12 | .Q | V | . | . | . |
| 11.217 | 18.2071 | 30.17 | .Q | V | . | . | . |
| 11.233 | 18.2488 | 30.21 | .Q | V | . | . | . |
| 11.250 | 18.2904 | 30.25 | .Q | V | . | . | . |
| 11.267 | 18.3322 | 30.29 | .Q | V | . | . | . |
| 11.283 | 18.3739 | 30.34 | .Q | V | . | . | . |
| 11.300 | 18.4158 | 30.38 | .Q | V | . | . | . |
| 11.317 | 18.4577 | 30.42 | .Q | V | . | . | . |
| 11.333 | 18.4997 | 30.47 | .Q | V | . | . | . |
| 11.350 | 18.5417 | 30.51 | .Q | V | . | . | . |
| 11.367 | 18.5838 | 30.55 | .Q | V | . | . | . |
| 11.383 | 18.6259 | 30.59 | .Q | V | . | . | . |
| 11.400 | 18.6681 | 30.64 | .Q | V | . | . | . |
| 11.417 | 18.7104 | 30.68 | .Q | V | . | . | . |
| 11.433 | 18.7527 | 30.73 | .Q | V | . | . | . |
| 11.450 | 18.7951 | 30.81 | .Q | V | . | . | . |
| 11.467 | 18.8377 | 30.91 | .Q | V | . | . | . |
| 11.483 | 18.8804 | 31.00 | .Q | V | . | . | . |
| 11.500 | 18.9232 | 31.09 | .Q | V | . | . | . |
| 11.517 | 18.9662 | 31.19 | .Q | V | . | . | . |
| 11.533 | 19.0093 | 31.28 | .Q | V | . | . | . |
| 11.550 | 19.0525 | 31.38 | .Q | V | . | . | . |
| 11.567 | 19.0958 | 31.47 | .Q | V | . | . | . |
| 11.583 | 19.1393 | 31.57 | .Q | V | . | . | . |
| 11.600 | 19.1829 | 31.66 | .Q | V | . | . | . |
| 11.617 | 19.2267 | 31.76 | .Q | V | . | . | . |
| 11.633 | 19.2705 | 31.85 | .Q | V | . | . | . |
| 11.650 | 19.3145 | 31.94 | .Q | V | . | . | . |
| 11.667 | 19.3587 | 32.04 | .Q | V | . | . | . |
| 11.683 | 19.4029 | 32.13 | .Q | V | . | . | . |
| 11.700 | 19.4473 | 32.23 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 11.717 | 19.4918 | 32.32 | .Q | V | . | . | . |
| 11.733 | 19.5365 | 32.39 | .Q | V | . | . | . |
| 11.750 | 19.5811 | 32.44 | .Q | V | . | . | . |
| 11.767 | 19.6259 | 32.49 | .Q | V | . | . | . |
| 11.783 | 19.6707 | 32.54 | .Q | V | . | . | . |
| 11.800 | 19.7156 | 32.59 | .Q | V | . | . | . |
| 11.817 | 19.7606 | 32.65 | .Q | V | . | . | . |
| 11.833 | 19.8056 | 32.70 | .Q | V | . | . | . |
| 11.850 | 19.8507 | 32.75 | .Q | V | . | . | . |
| 11.867 | 19.8959 | 32.80 | .Q | V | . | . | . |
| 11.883 | 19.9412 | 32.86 | .Q | V | . | . | . |
| 11.900 | 19.9865 | 32.91 | .Q | V | . | . | . |
| 11.917 | 20.0319 | 32.96 | .Q | V | . | . | . |
| 11.933 | 20.0774 | 33.01 | .Q | V | . | . | . |
| 11.950 | 20.1229 | 33.07 | .Q | V | . | . | . |
| 11.967 | 20.1685 | 33.12 | .Q | V | . | . | . |
| 11.983 | 20.2142 | 33.17 | .Q | V | . | . | . |
| 12.000 | 20.2600 | 33.23 | .Q | V | . | . | . |
| 12.017 | 20.3063 | 33.63 | .Q | V | . | . | . |
| 12.033 | 20.3535 | 34.28 | .Q | V | . | . | . |
| 12.050 | 20.4016 | 34.92 | .Q | V | . | . | . |
| 12.067 | 20.4506 | 35.57 | .Q | V | . | . | . |
| 12.083 | 20.5005 | 36.21 | .Q | V | . | . | . |
| 12.100 | 20.5513 | 36.86 | .Q | V | . | . | . |
| 12.117 | 20.6029 | 37.50 | .Q | V | . | . | . |
| 12.133 | 20.6555 | 38.15 | .Q | V | . | . | . |
| 12.150 | 20.7089 | 38.80 | .Q | V | . | . | . |
| 12.167 | 20.7632 | 39.44 | .Q | V | . | . | . |
| 12.183 | 20.8185 | 40.09 | .Q | V | . | . | . |
| 12.200 | 20.8746 | 40.73 | .Q | V | . | . | . |
| 12.217 | 20.9315 | 41.38 | .Q | V | . | . | . |
| 12.233 | 20.9894 | 42.02 | .Q | V | . | . | . |
| 12.250 | 21.0482 | 42.67 | .Q | V | . | . | . |
| 12.267 | 21.1079 | 43.31 | .Q | V | . | . | . |
| 12.283 | 21.1684 | 43.96 | .Q | V | . | . | . |
| 12.300 | 21.2295 | 44.35 | .Q | V | . | . | . |
| 12.317 | 21.2907 | 44.42 | .Q | V | . | . | . |
| 12.333 | 21.3520 | 44.50 | .Q | V | . | . | . |
| 12.350 | 21.4134 | 44.57 | .Q | V | . | . | . |
| 12.367 | 21.4749 | 44.65 | .Q | V | . | . | . |
| 12.383 | 21.5365 | 44.72 | .Q | V | . | . | . |
| 12.400 | 21.5982 | 44.79 | .Q | V | . | . | . |
| 12.417 | 21.6600 | 44.87 | .Q | V | . | . | . |
| 12.433 | 21.7219 | 44.94 | .Q | V | . | . | . |
| 12.450 | 21.7839 | 45.02 | .Q | V | . | . | . |
| 12.467 | 21.8460 | 45.09 | .Q | V | . | . | . |
| 12.483 | 21.9082 | 45.17 | .Q | V | . | . | . |
| 12.500 | 21.9705 | 45.24 | .Q | V | . | . | . |
| 12.517 | 22.0329 | 45.32 | .Q | V | . | . | . |
| 12.533 | 22.0955 | 45.39 | .Q | V | . | . | . |
| 12.550 | 22.1581 | 45.46 | .Q | V | . | . | . |
| 12.567 | 22.2208 | 45.54 | .Q | V | . | . | . |
| 12.583 | 22.2837 | 45.64 | .Q | V | . | . | . |
| 12.600 | 22.3467 | 45.80 | .Q | V | . | . | . |
| 12.617 | 22.4100 | 45.95 | .Q | V | . | . | . |
| 12.633 | 22.4736 | 46.11 | .Q | V | . | . | . |
| 12.650 | 22.5373 | 46.27 | .Q | V | . | . | . |
| 12.667 | 22.6012 | 46.43 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.683 | 22.6654 | 46.58 | .Q | V | . | . | . |
| 12.700 | 22.7298 | 46.74 | .Q | V | . | . | . |
| 12.717 | 22.7944 | 46.90 | .Q | V | . | . | . |
| 12.733 | 22.8592 | 47.05 | .Q | V | . | . | . |
| 12.750 | 22.9242 | 47.21 | .Q | V | . | . | . |
| 12.767 | 22.9895 | 47.37 | .Q | V | . | . | . |
| 12.783 | 23.0549 | 47.53 | .Q | V | . | . | . |
| 12.800 | 23.1206 | 47.68 | .Q | V | . | . | . |
| 12.817 | 23.1865 | 47.84 | .Q | V | . | . | . |
| 12.833 | 23.2526 | 48.00 | .Q | V | . | . | . |
| 12.850 | 23.3190 | 48.16 | .Q | V | . | . | . |
| 12.867 | 23.3855 | 48.30 | .Q | V | . | . | . |
| 12.883 | 23.4521 | 48.39 | .Q | V | . | . | . |
| 12.900 | 23.5189 | 48.48 | .Q | V | . | . | . |
| 12.917 | 23.5858 | 48.57 | .Q | V | . | . | . |
| 12.933 | 23.6529 | 48.66 | .Q | V | . | . | . |
| 12.950 | 23.7200 | 48.75 | .Q | V | . | . | . |
| 12.967 | 23.7873 | 48.84 | .Q | V | . | . | . |
| 12.983 | 23.8547 | 48.93 | .Q | V | . | . | . |
| 13.000 | 23.9222 | 49.02 | .Q | .V | . | . | . |
| 13.017 | 23.9898 | 49.11 | .Q | .V | . | . | . |
| 13.033 | 24.0576 | 49.20 | .Q | .V | . | . | . |
| 13.050 | 24.1255 | 49.29 | .Q | .V | . | . | . |
| 13.067 | 24.1935 | 49.38 | .Q | .V | . | . | . |
| 13.083 | 24.2617 | 49.47 | .Q | .V | . | . | . |
| 13.100 | 24.3299 | 49.56 | .Q | .V | . | . | . |
| 13.117 | 24.3983 | 49.65 | .Q | .V | . | . | . |
| 13.133 | 24.4668 | 49.74 | .Q | .V | . | . | . |
| 13.150 | 24.5355 | 49.84 | .Q | .V | . | . | . |
| 13.167 | 24.6044 | 50.03 | .Q | .V | . | . | . |
| 13.183 | 24.6736 | 50.24 | .Q | .V | . | . | . |
| 13.200 | 24.7431 | 50.45 | .Q | .V | . | . | . |
| 13.217 | 24.8128 | 50.65 | .Q | .V | . | . | . |
| 13.233 | 24.8829 | 50.86 | .Q | .V | . | . | . |
| 13.250 | 24.9532 | 51.07 | .Q | .V | . | . | . |
| 13.267 | 25.0238 | 51.27 | .Q | .V | . | . | . |
| 13.283 | 25.0947 | 51.48 | .Q | .V | . | . | . |
| 13.300 | 25.1659 | 51.69 | .Q | .V | . | . | . |
| 13.317 | 25.2374 | 51.89 | .Q | .V | . | . | . |
| 13.333 | 25.3092 | 52.10 | .Q | .V | . | . | . |
| 13.350 | 25.3812 | 52.31 | .Q | .V | . | . | . |
| 13.367 | 25.4536 | 52.51 | .Q | .V | . | . | . |
| 13.383 | 25.5262 | 52.72 | .Q | .V | . | . | . |
| 13.400 | 25.5991 | 52.93 | .Q | .V | . | . | . |
| 13.417 | 25.6723 | 53.13 | .Q | .V | . | . | . |
| 13.433 | 25.7457 | 53.33 | .Q | .V | . | . | . |
| 13.450 | 25.8194 | 53.47 | .Q | .V | . | . | . |
| 13.467 | 25.8932 | 53.59 | .Q | .V | . | . | . |
| 13.483 | 25.9672 | 53.71 | .Q | .V | . | . | . |
| 13.500 | 26.0413 | 53.83 | .Q | .V | . | . | . |
| 13.517 | 26.1156 | 53.95 | .Q | .V | . | . | . |
| 13.533 | 26.1901 | 54.07 | .Q | .V | . | . | . |
| 13.550 | 26.2648 | 54.20 | .Q | .V | . | . | . |
| 13.567 | 26.3396 | 54.32 | .Q | .V | . | . | . |
| 13.583 | 26.4146 | 54.44 | .Q | .V | . | . | . |
| 13.600 | 26.4897 | 54.56 | .Q | .V | . | . | . |
| 13.617 | 26.5650 | 54.68 | .Q | .V | . | . | . |
| 13.633 | 26.6405 | 54.80 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 26.7162 | 54.92 | . Q | . V | . | . | . |
| 13.667 | 26.7920 | 55.04 | . Q | . V | . | . | . |
| 13.683 | 26.8679 | 55.16 | . Q | . V | . | . | . |
| 13.700 | 26.9441 | 55.28 | . Q | . V | . | . | . |
| 13.717 | 27.0204 | 55.40 | . Q | . V | . | . | . |
| 13.733 | 27.0970 | 55.64 | . Q | . V | . | . | . |
| 13.750 | 27.1741 | 55.93 | . Q | . V | . | . | . |
| 13.767 | 27.2515 | 56.21 | . Q | . V | . | . | . |
| 13.783 | 27.3293 | 56.50 | . Q | . V | . | . | . |
| 13.800 | 27.4076 | 56.79 | . Q | . V | . | . | . |
| 13.817 | 27.4862 | 57.08 | . Q | . V | . | . | . |
| 13.833 | 27.5652 | 57.37 | . Q | . V | . | . | . |
| 13.850 | 27.6446 | 57.65 | . Q | . V | . | . | . |
| 13.867 | 27.7244 | 57.94 | . Q | . V | . | . | . |
| 13.883 | 27.8046 | 58.23 | . Q | . V | . | . | . |
| 13.900 | 27.8852 | 58.52 | . Q | . V | . | . | . |
| 13.917 | 27.9662 | 58.80 | . Q | . V | . | . | . |
| 13.933 | 28.0476 | 59.09 | . Q | . V | . | . | . |
| 13.950 | 28.1294 | 59.38 | . Q | . V | . | . | . |
| 13.967 | 28.2116 | 59.67 | . Q | . V | . | . | . |
| 13.983 | 28.2942 | 59.96 | . Q | . V | . | . | . |
| 14.000 | 28.3772 | 60.24 | . Q | . V | . | . | . |
| 14.017 | 28.4604 | 60.47 | . Q | . V | . | . | . |
| 14.033 | 28.5440 | 60.65 | . Q | . V | . | . | . |
| 14.050 | 28.6278 | 60.82 | . Q | . V | . | . | . |
| 14.067 | 28.7118 | 61.00 | . Q | . V | . | . | . |
| 14.083 | 28.7960 | 61.17 | . Q | . V | . | . | . |
| 14.100 | 28.8805 | 61.35 | . Q | . V | . | . | . |
| 14.117 | 28.9653 | 61.53 | . Q | . V | . | . | . |
| 14.133 | 29.0503 | 61.70 | . Q | . V | . | . | . |
| 14.150 | 29.1355 | 61.88 | . Q | . V | . | . | . |
| 14.167 | 29.2210 | 62.05 | . Q | . V | . | . | . |
| 14.183 | 29.3067 | 62.23 | . Q | . V | . | . | . |
| 14.200 | 29.3926 | 62.40 | . Q | . V | . | . | . |
| 14.217 | 29.4788 | 62.58 | . Q | . V | . | . | . |
| 14.233 | 29.5653 | 62.76 | . Q | . V | . | . | . |
| 14.250 | 29.6520 | 62.93 | . Q | . V | . | . | . |
| 14.267 | 29.7389 | 63.11 | . Q | . V | . | . | . |
| 14.283 | 29.8261 | 63.28 | . Q | . V | . | . | . |
| 14.300 | 29.9136 | 63.57 | . Q | . V | . | . | . |
| 14.317 | 30.0018 | 64.01 | . Q | . V | . | . | . |
| 14.333 | 30.0906 | 64.45 | . Q | . V | . | . | . |
| 14.350 | 30.1799 | 64.89 | . Q | . V | . | . | . |
| 14.367 | 30.2699 | 65.33 | . Q | . V | . | . | . |
| 14.383 | 30.3605 | 65.77 | . Q | . V | . | . | . |
| 14.400 | 30.4517 | 66.21 | . Q | . V | . | . | . |
| 14.417 | 30.5435 | 66.65 | . Q | . V | . | . | . |
| 14.433 | 30.6359 | 67.09 | . Q | . V | . | . | . |
| 14.450 | 30.7290 | 67.54 | . Q | . V | . | . | . |
| 14.467 | 30.8226 | 67.98 | . Q | . V | . | . | . |
| 14.483 | 30.9168 | 68.42 | . Q | . V | . | . | . |
| 14.500 | 31.0117 | 68.86 | . Q | . V | . | . | . |
| 14.517 | 31.1071 | 69.30 | . Q | . V | . | . | . |
| 14.533 | 31.2032 | 69.74 | . Q | . V | . | . | . |
| 14.550 | 31.2999 | 70.18 | . Q | . V | . | . | . |
| 14.567 | 31.3972 | 70.62 | . Q | . V | . | . | . |
| 14.583 | 31.4950 | 71.02 | . Q | . V | . | . | . |
| 14.600 | 31.5932 | 71.31 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|--------|-----|-----|---|---|---|
| 14.617 | 31.6918 | 71.60 | . Q | . V | . | . | . |
| 14.633 | 31.7908 | 71.88 | . Q | . V | . | . | . |
| 14.650 | 31.8902 | 72.17 | . Q | . V | . | . | . |
| 14.667 | 31.9900 | 72.45 | . Q | . V | . | . | . |
| 14.683 | 32.0902 | 72.74 | . Q | . V | . | . | . |
| 14.700 | 32.1908 | 73.02 | . Q | . V | . | . | . |
| 14.717 | 32.2918 | 73.31 | . Q | . V | . | . | . |
| 14.733 | 32.3931 | 73.59 | . Q | . V | . | . | . |
| 14.750 | 32.4949 | 73.88 | . Q | . V | . | . | . |
| 14.767 | 32.5970 | 74.16 | . Q | . V | . | . | . |
| 14.783 | 32.6996 | 74.45 | . Q | . V | . | . | . |
| 14.800 | 32.8025 | 74.73 | . Q | . V | . | . | . |
| 14.817 | 32.9059 | 75.02 | . Q | . V | . | . | . |
| 14.833 | 33.0096 | 75.30 | . Q | . V | . | . | . |
| 14.850 | 33.1137 | 75.59 | . Q | . V | . | . | . |
| 14.867 | 33.2183 | 75.96 | . Q | . V | . | . | . |
| 14.883 | 33.3240 | 76.72 | . Q | . V | . | . | . |
| 14.900 | 33.4308 | 77.51 | . Q | . V | . | . | . |
| 14.917 | 33.5386 | 78.31 | . Q | . V | . | . | . |
| 14.933 | 33.6476 | 79.10 | . Q | . V | . | . | . |
| 14.950 | 33.7576 | 79.90 | . Q | . V | . | . | . |
| 14.967 | 33.8688 | 80.69 | . Q | . V | . | . | . |
| 14.983 | 33.9810 | 81.49 | . Q | . V | . | . | . |
| 15.000 | 34.0943 | 82.28 | . Q | . V | . | . | . |
| 15.017 | 34.2088 | 83.08 | . Q | . V | . | . | . |
| 15.033 | 34.3243 | 83.87 | . Q | . V | . | . | . |
| 15.050 | 34.4409 | 84.67 | . Q | . V | . | . | . |
| 15.067 | 34.5586 | 85.46 | . Q | . V | . | . | . |
| 15.083 | 34.6774 | 86.25 | . Q | . V | . | . | . |
| 15.100 | 34.7973 | 87.05 | . Q | . V | . | . | . |
| 15.117 | 34.9183 | 87.84 | . Q | . V | . | . | . |
| 15.133 | 35.0404 | 88.64 | . Q | . V | . | . | . |
| 15.150 | 35.1636 | 89.41 | . Q | . V | . | . | . |
| 15.167 | 35.2876 | 90.03 | . Q | . V | . | . | . |
| 15.183 | 35.4124 | 90.62 | . Q | . V | . | . | . |
| 15.200 | 35.5381 | 91.21 | . Q | . V | . | . | . |
| 15.217 | 35.6645 | 91.80 | . Q | . V | . | . | . |
| 15.233 | 35.7918 | 92.39 | . Q | . V | . | . | . |
| 15.250 | 35.9199 | 92.98 | . Q | . V | . | . | . |
| 15.267 | 36.0488 | 93.57 | . Q | . V | . | . | . |
| 15.283 | 36.1785 | 94.16 | . Q | . V | . | . | . |
| 15.300 | 36.3090 | 94.75 | . Q | . V | . | . | . |
| 15.317 | 36.4403 | 95.34 | . Q | . V | . | . | . |
| 15.333 | 36.5725 | 95.93 | . Q | . V | . | . | . |
| 15.350 | 36.7054 | 96.53 | . Q | . V | . | . | . |
| 15.367 | 36.8392 | 97.12 | . Q | . V | . | . | . |
| 15.383 | 36.9738 | 97.71 | . Q | . V | . | . | . |
| 15.400 | 37.1091 | 98.30 | . Q | . V | . | . | . |
| 15.417 | 37.2453 | 98.89 | . Q | . V | . | . | . |
| 15.433 | 37.3824 | 99.50 | . Q | . V | . | . | . |
| 15.450 | 37.5209 | 100.52 | . Q | . V | . | . | . |
| 15.467 | 37.6609 | 101.67 | . Q | . V | . | . | . |
| 15.483 | 37.8025 | 102.83 | . Q | . V | . | . | . |
| 15.500 | 37.9458 | 103.98 | . Q | . V | . | . | . |
| 15.517 | 38.0906 | 105.13 | . Q | . V | . | . | . |
| 15.533 | 38.2370 | 106.29 | . Q | . V | . | . | . |
| 15.550 | 38.3850 | 107.44 | . Q | . V | . | . | . |
| 15.567 | 38.5346 | 108.60 | . Q | . V | . | . | . |

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|--------|---------|--------|---|---|---|---|---|---|
| 15.583 | 38.6857 | 109.75 | . | Q | . | V | . | . |
| 15.600 | 38.8385 | 110.91 | . | Q | . | V | . | . |
| 15.617 | 38.9928 | 112.06 | . | Q | . | V | . | . |
| 15.633 | 39.1488 | 113.22 | . | Q | . | V | . | . |
| 15.650 | 39.3063 | 114.37 | . | Q | . | V | . | . |
| 15.667 | 39.4655 | 115.52 | . | Q | . | V | . | . |
| 15.683 | 39.6262 | 116.68 | . | Q | . | V | . | . |
| 15.700 | 39.7885 | 117.83 | . | Q | . | V | . | . |
| 15.717 | 39.9524 | 119.03 | . | Q | . | V | . | . |
| 15.733 | 40.1213 | 122.62 | . | Q | . | V | . | . |
| 15.750 | 40.2971 | 127.59 | . | Q | . | V | . | . |
| 15.767 | 40.4797 | 132.56 | . | Q | . | V | . | . |
| 15.783 | 40.6691 | 137.53 | . | Q | . | V | . | . |
| 15.800 | 40.8654 | 142.50 | . | Q | . | V | . | . |
| 15.817 | 41.0685 | 147.46 | . | Q | . | V | . | . |
| 15.833 | 41.2784 | 152.43 | . | Q | . | V | . | . |
| 15.850 | 41.4952 | 157.40 | . | Q | . | V | . | . |
| 15.867 | 41.7189 | 162.37 | . | Q | . | V | . | . |
| 15.883 | 41.9494 | 167.34 | . | Q | . | V | . | . |
| 15.900 | 42.1867 | 172.31 | . | Q | . | V | . | . |
| 15.917 | 42.4309 | 177.28 | . | Q | . | V | . | . |
| 15.933 | 42.6819 | 182.24 | . | Q | . | V | . | . |
| 15.950 | 42.9398 | 187.21 | . | Q | . | V | . | . |
| 15.967 | 43.2045 | 192.18 | . | Q | . | V | . | . |
| 15.983 | 43.4761 | 197.15 | . | Q | . | V | . | . |
| 16.000 | 43.7545 | 202.12 | . | Q | . | V | . | . |
| 16.017 | 44.0629 | 223.91 | . | Q | . | V | . | . |
| 16.033 | 44.4245 | 262.52 | . | Q | . | V | . | . |
| 16.050 | 44.8393 | 301.13 | . | Q | . | V | . | . |
| 16.067 | 45.3072 | 339.74 | . | Q | . | V | . | . |
| 16.083 | 45.8284 | 378.35 | . | Q | . | V | . | . |
| 16.100 | 46.4027 | 416.97 | . | Q | . | V | . | . |
| 16.117 | 47.0302 | 455.58 | . | Q | . | V | . | . |
| 16.133 | 47.7109 | 494.19 | . | Q | . | V | . | . |
| 16.150 | 48.4448 | 532.80 | . | Q | . | V | . | . |
| 16.167 | 49.2319 | 571.41 | . | Q | . | V | . | . |
| 16.183 | 50.0721 | 610.02 | . | Q | . | V | . | . |
| 16.200 | 50.9655 | 648.63 | . | Q | . | V | . | . |
| 16.217 | 51.9122 | 687.25 | . | Q | . | V | . | . |
| 16.233 | 52.9120 | 725.86 | . | Q | . | V | . | . |
| 16.250 | 53.9649 | 764.47 | . | Q | . | V | . | . |
| 16.267 | 55.0711 | 803.08 | . | Q | . | V | . | . |
| 16.283 | 56.2305 | 841.69 | . | Q | . | V | . | . |
| 16.300 | 57.4244 | 866.79 | . | Q | . | V | . | . |
| 16.317 | 58.5358 | 806.86 | . | Q | . | V | . | . |
| 16.333 | 59.5860 | 762.47 | . | Q | . | V | . | . |
| 16.350 | 60.5751 | 718.09 | . | Q | . | V | . | . |
| 16.367 | 61.5031 | 673.70 | . | Q | . | V | . | . |
| 16.383 | 62.3699 | 629.31 | . | Q | . | V | . | . |
| 16.400 | 63.1756 | 584.93 | . | Q | . | V | . | . |
| 16.417 | 63.9201 | 540.54 | . | Q | . | V | . | . |
| 16.433 | 64.6035 | 496.15 | . | Q | . | V | . | . |
| 16.450 | 65.2258 | 451.77 | . | Q | . | V | . | . |
| 16.467 | 65.7869 | 407.38 | . | Q | . | V | . | . |
| 16.483 | 66.2869 | 362.99 | . | Q | . | V | . | . |
| 16.500 | 66.7258 | 318.60 | . | Q | . | V | . | . |
| 16.517 | 67.1035 | 274.22 | . | Q | . | V | . | . |
| 16.533 | 67.4200 | 229.83 | . | Q | . | V | . | . |

| | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|----|
| 16.550 | 67.6755 | 185.44 | . | Q | . | . | . | .V |
| 16.567 | 67.8698 | 141.05 | . | Q | . | . | . | .V |
| 16.583 | 68.0174 | 107.20 | . | Q | . | . | . | .V |
| 16.600 | 68.1605 | 103.89 | . | Q | . | . | . | .V |
| 16.617 | 68.3017 | 102.50 | . | Q | . | . | . | .V |
| 16.633 | 68.4410 | 101.12 | . | Q | . | . | . | .V |
| 16.650 | 68.5784 | 99.74 | . | Q | . | . | . | .V |
| 16.667 | 68.7139 | 98.36 | . | Q | . | . | . | .V |
| 16.683 | 68.8474 | 96.98 | . | Q | . | . | . | .V |
| 16.700 | 68.9791 | 95.60 | . | Q | . | . | . | .V |
| 16.717 | 69.1089 | 94.21 | . | Q | . | . | . | .V |
| 16.733 | 69.2368 | 92.83 | . | Q | . | . | . | .V |
| 16.750 | 69.3627 | 91.45 | . | Q | . | . | . | .V |
| 16.767 | 69.4868 | 90.07 | . | Q | . | . | . | .V |
| 16.783 | 69.6090 | 88.69 | . | Q | . | . | . | .V |
| 16.800 | 69.7292 | 87.31 | . | Q | . | . | . | .V |
| 16.817 | 69.8476 | 85.93 | . | Q | . | . | . | .V |
| 16.833 | 69.9640 | 84.54 | . | Q | . | . | . | .V |
| 16.850 | 70.0786 | 83.16 | . | Q | . | . | . | .V |
| 16.867 | 70.1913 | 81.86 | . | Q | . | . | . | .V |
| 16.883 | 70.3028 | 80.93 | . | Q | . | . | . | .V |
| 16.900 | 70.4131 | 80.06 | . | Q | . | . | . | .V |
| 16.917 | 70.5221 | 79.19 | . | Q | . | . | . | .V |
| 16.933 | 70.6300 | 78.31 | . | Q | . | . | . | .V |
| 16.950 | 70.7367 | 77.44 | . | Q | . | . | . | .V |
| 16.967 | 70.8422 | 76.57 | . | Q | . | . | . | .V |
| 16.983 | 70.9464 | 75.70 | . | Q | . | . | . | .V |
| 17.000 | 71.0495 | 74.82 | . | 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% | 1021.0 |
| 10% | 515.0 |
| 20% | 195.0 |
| 30% | 150.0 |
| 40% | 125.0 |
| 50% | 105.0 |
| 60% | 85.0 |
| 70% | 65.0 |
| 80% | 40.0 |
| 90% | 20.0 |

END OF FLOODSCx ROUTING 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)
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Analysis prepared by:

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Santa Ana, CA
92707

***** DESCRIPTION OF STUDY *****
* RMV PA-4 SUBAREA F *
* UNIT HYDROGRAPH - SINGLE AREA MODEL *
* 50-YR EV ROKAMOTO AUGUST 2018 *

FILE NAME: 4F50EVS.DAT
TIME/DATE OF STUDY: 08:08 08/15/2018

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 920.00 TO NODE 905.00 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) = 553.80
SOIL-LOSS RATE, Fm, (INCH/HR) = 0.254
LOW LOSS FRACTION = 0.457
TIME OF CONCENTRATION (MIN.) = 16.81
SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
USER SPECIFIED RAINFALL VALUES ARE USED:
RETURN FREQUENCY (YEARS) = 15
5-MINUTE POINT RAINFALL VALUE (INCHES) = 0.37
30-MINUTE POINT RAINFALL VALUE (INCHES) = 0.80
1-HOUR POINT RAINFALL VALUE (INCHES) = 1.06
3-HOUR POINT RAINFALL VALUE (INCHES) = 1.78
6-HOUR POINT RAINFALL VALUE (INCHES) = 2.47
24-HOUR POINT RAINFALL VALUE (INCHES) = 4.12

TOTAL CATCHMENT RUNOFF VOLUME (ACRE-FEET) = 102.24

TOTAL CATCHMENT SOIL-LOSS VOLUME (ACRE-FEET) = 87.90

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. | 245.7 | 491.3 | 737.0 | 982.6 |
|------------|-------------|---------|----|-------|-------|-------|-------|
| 10.000 | 18.1640 | 31.09 | .Q | V | . | . | . |
| 10.017 | 18.2069 | 31.15 | .Q | V | . | . | . |
| 10.033 | 18.2499 | 31.22 | .Q | V | . | . | . |
| 10.050 | 18.2930 | 31.29 | .Q | V | . | . | . |
| 10.067 | 18.3362 | 31.36 | .Q | V | . | . | . |
| 10.083 | 18.3795 | 31.43 | .Q | V | . | . | . |
| 10.100 | 18.4229 | 31.50 | .Q | V | . | . | . |
| 10.117 | 18.4664 | 31.57 | .Q | V | . | . | . |
| 10.133 | 18.5100 | 31.62 | .Q | V | . | . | . |
| 10.150 | 18.5536 | 31.66 | .Q | V | . | . | . |
| 10.167 | 18.5972 | 31.70 | .Q | V | . | . | . |
| 10.183 | 18.6410 | 31.74 | .Q | V | . | . | . |
| 10.200 | 18.6847 | 31.77 | .Q | V | . | . | . |
| 10.217 | 18.7286 | 31.81 | .Q | V | . | . | . |
| 10.233 | 18.7724 | 31.85 | .Q | V | . | . | . |
| 10.250 | 18.8163 | 31.89 | .Q | V | . | . | . |
| 10.267 | 18.8603 | 31.92 | .Q | V | . | . | . |
| 10.283 | 18.9043 | 31.96 | .Q | V | . | . | . |
| 10.300 | 18.9484 | 32.00 | .Q | V | . | . | . |
| 10.317 | 18.9925 | 32.04 | .Q | V | . | . | . |
| 10.333 | 19.0367 | 32.07 | .Q | V | . | . | . |
| 10.350 | 19.0810 | 32.11 | .Q | V | . | . | . |
| 10.367 | 19.1252 | 32.15 | .Q | V | . | . | . |
| 10.383 | 19.1696 | 32.19 | .Q | V | . | . | . |
| 10.400 | 19.2140 | 32.23 | .Q | V | . | . | . |
| 10.417 | 19.2584 | 32.29 | .Q | V | . | . | . |
| 10.433 | 19.3030 | 32.37 | .Q | V | . | . | . |
| 10.450 | 19.3477 | 32.45 | .Q | V | . | . | . |
| 10.467 | 19.3926 | 32.54 | .Q | V | . | . | . |
| 10.483 | 19.4375 | 32.62 | .Q | V | . | . | . |
| 10.500 | 19.4825 | 32.70 | .Q | V | . | . | . |
| 10.517 | 19.5277 | 32.78 | .Q | V | . | . | . |
| 10.533 | 19.5729 | 32.86 | .Q | V | . | . | . |
| 10.550 | 19.6183 | 32.94 | .Q | V | . | . | . |
| 10.567 | 19.6638 | 33.02 | .Q | V | . | . | . |
| 10.583 | 19.7094 | 33.10 | .Q | V | . | . | . |
| 10.600 | 19.7551 | 33.18 | .Q | V | . | . | . |
| 10.617 | 19.8009 | 33.26 | .Q | V | . | . | . |
| 10.633 | 19.8468 | 33.35 | .Q | V | . | . | . |
| 10.650 | 19.8929 | 33.43 | .Q | V | . | . | . |
| 10.667 | 19.9390 | 33.51 | .Q | V | . | . | . |
| 10.683 | 19.9853 | 33.59 | .Q | V | . | . | . |
| 10.700 | 20.0316 | 33.64 | .Q | V | . | . | . |
| 10.717 | 20.0780 | 33.68 | .Q | V | . | . | . |
| 10.733 | 20.1245 | 33.72 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|---|---|---|---|
| 10.750 | 20.1710 | 33.77 | .Q | V | . | . | . |
| 10.767 | 20.2176 | 33.81 | .Q | V | . | . | . |
| 10.783 | 20.2642 | 33.86 | .Q | V | . | . | . |
| 10.800 | 20.3109 | 33.90 | .Q | V | . | . | . |
| 10.817 | 20.3577 | 33.94 | .Q | V | . | . | . |
| 10.833 | 20.4045 | 33.99 | .Q | V | . | . | . |
| 10.850 | 20.4513 | 34.03 | .Q | V | . | . | . |
| 10.867 | 20.4983 | 34.08 | .Q | V | . | . | . |
| 10.883 | 20.5453 | 34.12 | .Q | V | . | . | . |
| 10.900 | 20.5923 | 34.16 | .Q | V | . | . | . |
| 10.917 | 20.6395 | 34.21 | .Q | V | . | . | . |
| 10.933 | 20.6866 | 34.25 | .Q | V | . | . | . |
| 10.950 | 20.7339 | 34.30 | .Q | V | . | . | . |
| 10.967 | 20.7812 | 34.35 | .Q | V | . | . | . |
| 10.983 | 20.8286 | 34.44 | .Q | V | . | . | . |
| 11.000 | 20.8762 | 34.54 | .Q | V | . | . | . |
| 11.017 | 20.9239 | 34.63 | .Q | V | . | . | . |
| 11.033 | 20.9717 | 34.73 | .Q | V | . | . | . |
| 11.050 | 21.0197 | 34.82 | .Q | V | . | . | . |
| 11.067 | 21.0678 | 34.92 | .Q | V | . | . | . |
| 11.083 | 21.1160 | 35.02 | .Q | V | . | . | . |
| 11.100 | 21.1644 | 35.11 | .Q | V | . | . | . |
| 11.117 | 21.2129 | 35.21 | .Q | V | . | . | . |
| 11.133 | 21.2615 | 35.30 | .Q | V | . | . | . |
| 11.150 | 21.3103 | 35.40 | .Q | V | . | . | . |
| 11.167 | 21.3592 | 35.50 | .Q | V | . | . | . |
| 11.183 | 21.4082 | 35.59 | .Q | V | . | . | . |
| 11.200 | 21.4574 | 35.69 | .Q | V | . | . | . |
| 11.217 | 21.5067 | 35.78 | .Q | V | . | . | . |
| 11.233 | 21.5561 | 35.88 | .Q | V | . | . | . |
| 11.250 | 21.6056 | 35.96 | .Q | V | . | . | . |
| 11.267 | 21.6552 | 36.02 | .Q | V | . | . | . |
| 11.283 | 21.7049 | 36.07 | .Q | V | . | . | . |
| 11.300 | 21.7547 | 36.12 | .Q | V | . | . | . |
| 11.317 | 21.8045 | 36.17 | .Q | V | . | . | . |
| 11.333 | 21.8544 | 36.23 | .Q | V | . | . | . |
| 11.350 | 21.9044 | 36.28 | .Q | V | . | . | . |
| 11.367 | 21.9544 | 36.33 | .Q | V | . | . | . |
| 11.383 | 22.0045 | 36.39 | .Q | V | . | . | . |
| 11.400 | 22.0547 | 36.44 | .Q | V | . | . | . |
| 11.417 | 22.1050 | 36.49 | .Q | V | . | . | . |
| 11.433 | 22.1553 | 36.54 | .Q | V | . | . | . |
| 11.450 | 22.2057 | 36.60 | .Q | V | . | . | . |
| 11.467 | 22.2562 | 36.65 | .Q | V | . | . | . |
| 11.483 | 22.3068 | 36.70 | .Q | V | . | . | . |
| 11.500 | 22.3574 | 36.75 | .Q | V | . | . | . |
| 11.517 | 22.4081 | 36.81 | .Q | V | . | . | . |
| 11.533 | 22.4589 | 36.89 | .Q | V | . | . | . |
| 11.550 | 22.5099 | 37.00 | .Q | V | . | . | . |
| 11.567 | 22.5610 | 37.12 | .Q | V | . | . | . |
| 11.583 | 22.6123 | 37.23 | .Q | V | . | . | . |
| 11.600 | 22.6637 | 37.35 | .Q | V | . | . | . |
| 11.617 | 22.7153 | 37.47 | .Q | V | . | . | . |
| 11.633 | 22.7671 | 37.58 | .Q | V | . | . | . |
| 11.650 | 22.8190 | 37.70 | .Q | V | . | . | . |
| 11.667 | 22.8711 | 37.81 | .Q | V | . | . | . |
| 11.683 | 22.9234 | 37.93 | .Q | V | . | . | . |
| 11.700 | 22.9758 | 38.05 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 11.717 | 23.0283 | 38.16 | .Q | V. | . | . | . |
| 11.733 | 23.0810 | 38.28 | .Q | V. | . | . | . |
| 11.750 | 23.1339 | 38.39 | .Q | V. | . | . | . |
| 11.767 | 23.1870 | 38.51 | .Q | V. | . | . | . |
| 11.783 | 23.2402 | 38.63 | .Q | V. | . | . | . |
| 11.800 | 23.2935 | 38.74 | .Q | V. | . | . | . |
| 11.817 | 23.3470 | 38.82 | .Q | V. | . | . | . |
| 11.833 | 23.4006 | 38.89 | .Q | V. | . | . | . |
| 11.850 | 23.4542 | 38.95 | .Q | V. | . | . | . |
| 11.867 | 23.5080 | 39.02 | .Q | V. | . | . | . |
| 11.883 | 23.5618 | 39.08 | .Q | V. | . | . | . |
| 11.900 | 23.6157 | 39.14 | .Q | V. | . | . | . |
| 11.917 | 23.6697 | 39.21 | .Q | V. | . | . | . |
| 11.933 | 23.7238 | 39.27 | .Q | V. | . | . | . |
| 11.950 | 23.7780 | 39.34 | .Q | V. | . | . | . |
| 11.967 | 23.8323 | 39.40 | .Q | V. | . | . | . |
| 11.983 | 23.8866 | 39.47 | .Q | V. | . | . | . |
| 12.000 | 23.9411 | 39.53 | .Q | V. | . | . | . |
| 12.017 | 23.9956 | 39.59 | .Q | V. | . | . | . |
| 12.033 | 24.0503 | 39.66 | .Q | V. | . | . | . |
| 12.050 | 24.1050 | 39.72 | .Q | V. | . | . | . |
| 12.067 | 24.1598 | 39.79 | .Q | V. | . | . | . |
| 12.083 | 24.2147 | 39.90 | .Q | V. | . | . | . |
| 12.100 | 24.2706 | 40.56 | .Q | V. | . | . | . |
| 12.117 | 24.3276 | 41.40 | .Q | V. | . | . | . |
| 12.133 | 24.3858 | 42.23 | .Q | V. | . | . | . |
| 12.150 | 24.4451 | 43.07 | .Q | V. | . | . | . |
| 12.167 | 24.5056 | 43.90 | .Q | V. | . | . | . |
| 12.183 | 24.5672 | 44.74 | .Q | V. | . | . | . |
| 12.200 | 24.6300 | 45.57 | .Q | V. | . | . | . |
| 12.217 | 24.6939 | 46.40 | .Q | V. | . | . | . |
| 12.233 | 24.7589 | 47.24 | .Q | V. | . | . | . |
| 12.250 | 24.8252 | 48.07 | .Q | V. | . | . | . |
| 12.267 | 24.8925 | 48.91 | .Q | V. | . | . | . |
| 12.283 | 24.9610 | 49.74 | .Q | V. | . | . | . |
| 12.300 | 25.0307 | 50.58 | .Q | V. | . | . | . |
| 12.317 | 25.1015 | 51.41 | .Q | V. | . | . | . |
| 12.333 | 25.1735 | 52.25 | .Q | V. | . | . | . |
| 12.350 | 25.2466 | 53.08 | .Q | V. | . | . | . |
| 12.367 | 25.3207 | 53.81 | .Q | V. | . | . | . |
| 12.383 | 25.3951 | 53.98 | .Q | V. | . | . | . |
| 12.400 | 25.4695 | 54.06 | .Q | V. | . | . | . |
| 12.417 | 25.5441 | 54.15 | .Q | V. | . | . | . |
| 12.433 | 25.6188 | 54.24 | .Q | V | . | . | . |
| 12.450 | 25.6937 | 54.32 | .Q | V | . | . | . |
| 12.467 | 25.7686 | 54.41 | .Q | V | . | . | . |
| 12.483 | 25.8437 | 54.49 | .Q | V | . | . | . |
| 12.500 | 25.9188 | 54.58 | .Q | V | . | . | . |
| 12.517 | 25.9941 | 54.66 | .Q | V | . | . | . |
| 12.533 | 26.0695 | 54.75 | .Q | V | . | . | . |
| 12.550 | 26.1451 | 54.84 | .Q | V | . | . | . |
| 12.567 | 26.2207 | 54.92 | .Q | V | . | . | . |
| 12.583 | 26.2965 | 55.01 | .Q | V | . | . | . |
| 12.600 | 26.3724 | 55.09 | .Q | V | . | . | . |
| 12.617 | 26.4484 | 55.18 | .Q | V | . | . | . |
| 12.633 | 26.5245 | 55.26 | .Q | V | . | . | . |
| 12.650 | 26.6008 | 55.38 | .Q | V | . | . | . |
| 12.667 | 26.6773 | 55.57 | .Q | V | . | . | . |

| | | | | | | | |
|--------|---------|-------|----|----|---|---|---|
| 12.683 | 26.7541 | 55.76 | .Q | V | . | . | . |
| 12.700 | 26.8312 | 55.95 | .Q | V | . | . | . |
| 12.717 | 26.9085 | 56.15 | .Q | V | . | . | . |
| 12.733 | 26.9861 | 56.34 | .Q | V | . | . | . |
| 12.750 | 27.0640 | 56.53 | .Q | V | . | . | . |
| 12.767 | 27.1422 | 56.73 | .Q | V | . | . | . |
| 12.783 | 27.2206 | 56.92 | .Q | V | . | . | . |
| 12.800 | 27.2992 | 57.11 | .Q | V | . | . | . |
| 12.817 | 27.3782 | 57.31 | .Q | V | . | . | . |
| 12.833 | 27.4574 | 57.50 | .Q | V | . | . | . |
| 12.850 | 27.5368 | 57.69 | .Q | V | . | . | . |
| 12.867 | 27.6166 | 57.89 | .Q | V | . | . | . |
| 12.883 | 27.6966 | 58.08 | .Q | V | . | . | . |
| 12.900 | 27.7768 | 58.27 | .Q | V | . | . | . |
| 12.917 | 27.8574 | 58.47 | .Q | V | . | . | . |
| 12.933 | 27.9381 | 58.63 | .Q | V | . | . | . |
| 12.950 | 28.0190 | 58.74 | .Q | V | . | . | . |
| 12.967 | 28.1001 | 58.85 | .Q | V | . | . | . |
| 12.983 | 28.1813 | 58.96 | .Q | .V | . | . | . |
| 13.000 | 28.2626 | 59.07 | .Q | .V | . | . | . |
| 13.017 | 28.3442 | 59.18 | .Q | .V | . | . | . |
| 13.033 | 28.4258 | 59.29 | .Q | .V | . | . | . |
| 13.050 | 28.5076 | 59.40 | .Q | .V | . | . | . |
| 13.067 | 28.5896 | 59.51 | .Q | .V | . | . | . |
| 13.083 | 28.6717 | 59.62 | .Q | .V | . | . | . |
| 13.100 | 28.7540 | 59.73 | .Q | .V | . | . | . |
| 13.117 | 28.8364 | 59.84 | .Q | .V | . | . | . |
| 13.133 | 28.9190 | 59.95 | .Q | .V | . | . | . |
| 13.150 | 29.0017 | 60.06 | .Q | .V | . | . | . |
| 13.167 | 29.0846 | 60.16 | .Q | .V | . | . | . |
| 13.183 | 29.1676 | 60.27 | .Q | .V | . | . | . |
| 13.200 | 29.2508 | 60.39 | .Q | .V | . | . | . |
| 13.217 | 29.3342 | 60.58 | .Q | .V | . | . | . |
| 13.233 | 29.4180 | 60.83 | .Q | .V | . | . | . |
| 13.250 | 29.5021 | 61.09 | .Q | .V | . | . | . |
| 13.267 | 29.5866 | 61.34 | .Q | .V | . | . | . |
| 13.283 | 29.6715 | 61.60 | .Q | .V | . | . | . |
| 13.300 | 29.7567 | 61.85 | .Q | .V | . | . | . |
| 13.317 | 29.8422 | 62.10 | .Q | .V | . | . | . |
| 13.333 | 29.9281 | 62.36 | .Q | .V | . | . | . |
| 13.350 | 30.0143 | 62.61 | .Q | .V | . | . | . |
| 13.367 | 30.1009 | 62.86 | .Q | .V | . | . | . |
| 13.383 | 30.1879 | 63.12 | .Q | .V | . | . | . |
| 13.400 | 30.2752 | 63.37 | .Q | .V | . | . | . |
| 13.417 | 30.3628 | 63.62 | .Q | .V | . | . | . |
| 13.433 | 30.4508 | 63.88 | .Q | .V | . | . | . |
| 13.450 | 30.5391 | 64.13 | .Q | .V | . | . | . |
| 13.467 | 30.6278 | 64.39 | .Q | .V | . | . | . |
| 13.483 | 30.7168 | 64.63 | .Q | .V | . | . | . |
| 13.500 | 30.8061 | 64.81 | .Q | .V | . | . | . |
| 13.517 | 30.8956 | 64.96 | .Q | .V | . | . | . |
| 13.533 | 30.9852 | 65.11 | .Q | .V | . | . | . |
| 13.550 | 31.0751 | 65.25 | .Q | .V | . | . | . |
| 13.567 | 31.1652 | 65.40 | .Q | .V | . | . | . |
| 13.583 | 31.2555 | 65.55 | .Q | .V | . | . | . |
| 13.600 | 31.3460 | 65.70 | .Q | .V | . | . | . |
| 13.617 | 31.4367 | 65.84 | .Q | .V | . | . | . |
| 13.633 | 31.5276 | 65.99 | .Q | .V | . | . | . |

| | | | | | | | |
|--------|---------|-------|-----|-----|---|---|---|
| 13.650 | 31.6187 | 66.14 | . Q | . V | . | . | . |
| 13.667 | 31.7100 | 66.29 | . Q | . V | . | . | . |
| 13.683 | 31.8015 | 66.44 | . Q | . V | . | . | . |
| 13.700 | 31.8932 | 66.58 | . Q | . V | . | . | . |
| 13.717 | 31.9851 | 66.73 | . Q | . V | . | . | . |
| 13.733 | 32.0773 | 66.88 | . Q | . V | . | . | . |
| 13.750 | 32.1696 | 67.03 | . Q | . V | . | . | . |
| 13.767 | 32.2621 | 67.20 | . Q | . V | . | . | . |
| 13.783 | 32.3551 | 67.52 | . Q | . V | . | . | . |
| 13.800 | 32.4486 | 67.88 | . Q | . V | . | . | . |
| 13.817 | 32.5426 | 68.23 | . Q | . V | . | . | . |
| 13.833 | 32.6371 | 68.58 | . Q | . V | . | . | . |
| 13.850 | 32.7320 | 68.94 | . Q | . V | . | . | . |
| 13.867 | 32.8275 | 69.29 | . Q | . V | . | . | . |
| 13.883 | 32.9234 | 69.64 | . Q | . V | . | . | . |
| 13.900 | 33.0198 | 69.99 | . Q | . V | . | . | . |
| 13.917 | 33.1167 | 70.35 | . Q | . V | . | . | . |
| 13.933 | 33.2141 | 70.70 | . Q | . V | . | . | . |
| 13.950 | 33.3120 | 71.05 | . Q | . V | . | . | . |
| 13.967 | 33.4103 | 71.41 | . Q | . V | . | . | . |
| 13.983 | 33.5092 | 71.76 | . Q | . V | . | . | . |
| 14.000 | 33.6085 | 72.11 | . Q | . V | . | . | . |
| 14.017 | 33.7083 | 72.47 | . Q | . V | . | . | . |
| 14.033 | 33.8086 | 72.82 | . Q | . V | . | . | . |
| 14.050 | 33.9093 | 73.14 | . Q | . V | . | . | . |
| 14.067 | 34.0104 | 73.36 | . Q | . V | . | . | . |
| 14.083 | 34.1117 | 73.56 | . Q | . V | . | . | . |
| 14.100 | 34.2133 | 73.77 | . Q | . V | . | . | . |
| 14.117 | 34.3152 | 73.98 | . Q | . V | . | . | . |
| 14.133 | 34.4174 | 74.19 | . Q | . V | . | . | . |
| 14.150 | 34.5199 | 74.40 | . Q | . V | . | . | . |
| 14.167 | 34.6227 | 74.61 | . Q | . V | . | . | . |
| 14.183 | 34.7257 | 74.81 | . Q | . V | . | . | . |
| 14.200 | 34.8290 | 75.02 | . Q | . V | . | . | . |
| 14.217 | 34.9327 | 75.23 | . Q | . V | . | . | . |
| 14.233 | 35.0366 | 75.44 | . Q | . V | . | . | . |
| 14.250 | 35.1408 | 75.65 | . Q | . V | . | . | . |
| 14.267 | 35.2453 | 75.86 | . Q | . V | . | . | . |
| 14.283 | 35.3500 | 76.06 | . Q | . V | . | . | . |
| 14.300 | 35.4551 | 76.27 | . Q | . V | . | . | . |
| 14.317 | 35.5604 | 76.48 | . Q | . V | . | . | . |
| 14.333 | 35.6662 | 76.81 | . Q | . V | . | . | . |
| 14.350 | 35.7728 | 77.34 | . Q | . V | . | . | . |
| 14.367 | 35.8801 | 77.88 | . Q | . V | . | . | . |
| 14.383 | 35.9881 | 78.42 | . Q | . V | . | . | . |
| 14.400 | 36.0968 | 78.95 | . Q | . V | . | . | . |
| 14.417 | 36.2063 | 79.49 | . Q | . V | . | . | . |
| 14.433 | 36.3165 | 80.03 | . Q | . V | . | . | . |
| 14.450 | 36.4275 | 80.56 | . Q | . V | . | . | . |
| 14.467 | 36.5392 | 81.10 | . Q | . V | . | . | . |
| 14.483 | 36.6517 | 81.64 | . Q | . V | . | . | . |
| 14.500 | 36.7649 | 82.17 | . Q | . V | . | . | . |
| 14.517 | 36.8788 | 82.71 | . Q | . V | . | . | . |
| 14.533 | 36.9934 | 83.25 | . Q | . V | . | . | . |
| 14.550 | 37.1088 | 83.78 | . Q | . V | . | . | . |
| 14.567 | 37.2250 | 84.32 | . Q | . V | . | . | . |
| 14.583 | 37.3419 | 84.85 | . Q | . V | . | . | . |
| 14.600 | 37.4595 | 85.39 | . Q | . V | . | . | . |

| | | | | | | | |
|--------|---------|--------|-----|-----|---|---|---|
| 14.617 | 37.5777 | 85.82 | . Q | . V | . | . | . |
| 14.633 | 37.6964 | 86.17 | . Q | . V | . | . | . |
| 14.650 | 37.8156 | 86.52 | . Q | . V | . | . | . |
| 14.667 | 37.9352 | 86.87 | . Q | . V | . | . | . |
| 14.683 | 38.0554 | 87.22 | . Q | . V | . | . | . |
| 14.700 | 38.1760 | 87.57 | . Q | . V | . | . | . |
| 14.717 | 38.2971 | 87.92 | . Q | . V | . | . | . |
| 14.733 | 38.4187 | 88.27 | . Q | . V | . | . | . |
| 14.750 | 38.5407 | 88.62 | . Q | . V | . | . | . |
| 14.767 | 38.6632 | 88.96 | . Q | . V | . | . | . |
| 14.783 | 38.7863 | 89.31 | . Q | . V | . | . | . |
| 14.800 | 38.9098 | 89.66 | . Q | . V | . | . | . |
| 14.817 | 39.0338 | 90.01 | . Q | . V | . | . | . |
| 14.833 | 39.1582 | 90.36 | . Q | . V | . | . | . |
| 14.850 | 39.2832 | 90.71 | . Q | . V | . | . | . |
| 14.867 | 39.4086 | 91.06 | . Q | . V | . | . | . |
| 14.883 | 39.5345 | 91.42 | . Q | . V | . | . | . |
| 14.900 | 39.6615 | 92.22 | . Q | . V | . | . | . |
| 14.917 | 39.7899 | 93.19 | . Q | . V | . | . | . |
| 14.933 | 39.9196 | 94.16 | . Q | . V | . | . | . |
| 14.950 | 40.0506 | 95.13 | . Q | . V | . | . | . |
| 14.967 | 40.1830 | 96.11 | . Q | . V | . | . | . |
| 14.983 | 40.3167 | 97.08 | . Q | . V | . | . | . |
| 15.000 | 40.4518 | 98.05 | . Q | . V | . | . | . |
| 15.017 | 40.5882 | 99.02 | . Q | . V | . | . | . |
| 15.033 | 40.7259 | 99.99 | . Q | . V | . | . | . |
| 15.050 | 40.8650 | 100.97 | . Q | . V | . | . | . |
| 15.067 | 41.0054 | 101.94 | . Q | . V | . | . | . |
| 15.083 | 41.1471 | 102.91 | . Q | . V | . | . | . |
| 15.100 | 41.2902 | 103.88 | . Q | . V | . | . | . |
| 15.117 | 41.4347 | 104.85 | . Q | . V | . | . | . |
| 15.133 | 41.5804 | 105.83 | . Q | . V | . | . | . |
| 15.150 | 41.7275 | 106.80 | . Q | . V | . | . | . |
| 15.167 | 41.8759 | 107.75 | . Q | . V | . | . | . |
| 15.183 | 42.0254 | 108.51 | . Q | . V | . | . | . |
| 15.200 | 42.1759 | 109.23 | . Q | . V | . | . | . |
| 15.217 | 42.3273 | 109.95 | . Q | . V | . | . | . |
| 15.233 | 42.4798 | 110.67 | . Q | . V | . | . | . |
| 15.250 | 42.6332 | 111.40 | . Q | . V | . | . | . |
| 15.267 | 42.7876 | 112.12 | . Q | . V | . | . | . |
| 15.283 | 42.9431 | 112.84 | . Q | . V | . | . | . |
| 15.300 | 43.0995 | 113.56 | . Q | . V | . | . | . |
| 15.317 | 43.2569 | 114.28 | . Q | . V | . | . | . |
| 15.333 | 43.4153 | 115.00 | . Q | . V | . | . | . |
| 15.350 | 43.5747 | 115.72 | . Q | . V | . | . | . |
| 15.367 | 43.7351 | 116.44 | . Q | . V | . | . | . |
| 15.383 | 43.8965 | 117.17 | . Q | . V | . | . | . |
| 15.400 | 44.0588 | 117.89 | . Q | . V | . | . | . |
| 15.417 | 44.2222 | 118.61 | . Q | . V | . | . | . |
| 15.433 | 44.3866 | 119.33 | . Q | . V | . | . | . |
| 15.450 | 44.5521 | 120.20 | . Q | . V | . | . | . |
| 15.467 | 44.7197 | 121.62 | . Q | . V | . | . | . |
| 15.483 | 44.8892 | 123.10 | . Q | . V | . | . | . |
| 15.500 | 45.0608 | 124.58 | . Q | . V | . | . | . |
| 15.517 | 45.2344 | 126.06 | . Q | . V | . | . | . |
| 15.533 | 45.4101 | 127.54 | . Q | . V | . | . | . |
| 15.550 | 45.5878 | 129.02 | . Q | . V | . | . | . |
| 15.567 | 45.7676 | 130.50 | . Q | . V | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|
| 15.583 | 45.9494 | 131.98 | . | Q | . | V | . | . | . |
| 15.600 | 46.1332 | 133.46 | . | Q | . | V | . | . | . |
| 15.617 | 46.3190 | 134.93 | . | Q | . | V | . | . | . |
| 15.633 | 46.5069 | 136.41 | . | Q | . | V | . | . | . |
| 15.650 | 46.6969 | 137.89 | . | Q | . | V | . | . | . |
| 15.667 | 46.8888 | 139.37 | . | Q | . | V | . | . | . |
| 15.683 | 47.0829 | 140.85 | . | Q | . | V | . | . | . |
| 15.700 | 47.2789 | 142.33 | . | Q | . | V | . | . | . |
| 15.717 | 47.4770 | 143.81 | . | Q | . | V | . | . | . |
| 15.733 | 47.6794 | 146.95 | . | Q | . | V | . | . | . |
| 15.750 | 47.8907 | 153.40 | . | Q | . | V | . | . | . |
| 15.767 | 48.1110 | 159.94 | . | Q | . | V | . | . | . |
| 15.783 | 48.3403 | 166.48 | . | Q | . | V | . | . | . |
| 15.800 | 48.5786 | 173.02 | . | Q | . | V | . | . | . |
| 15.817 | 48.8260 | 179.56 | . | Q | . | V | . | . | . |
| 15.833 | 49.0823 | 186.10 | . | Q | . | V | . | . | . |
| 15.850 | 49.3477 | 192.65 | . | Q | . | V | . | . | . |
| 15.867 | 49.6220 | 199.19 | . | Q | . | V | . | . | . |
| 15.883 | 49.9054 | 205.73 | . | Q | . | V | . | . | . |
| 15.900 | 50.1978 | 212.27 | . | Q | . | V | . | . | . |
| 15.917 | 50.4992 | 218.81 | . | Q | . | V | . | . | . |
| 15.933 | 50.8096 | 225.35 | . | Q | . | V | . | . | . |
| 15.950 | 51.1290 | 231.89 | . | Q | . | V | . | . | . |
| 15.967 | 51.4574 | 238.43 | . | Q | . | V | . | . | . |
| 15.983 | 51.7948 | 244.97 | . | Q | . | V | . | . | . |
| 16.000 | 52.1413 | 251.51 | . | Q | . | V | . | . | . |
| 16.017 | 52.5220 | 276.43 | . | . | Q | V | . | . | . |
| 16.033 | 52.9624 | 319.73 | . | . | Q | V | . | . | . |
| 16.050 | 53.4625 | 363.02 | . | . | Q | V | . | . | . |
| 16.067 | 54.0221 | 406.32 | . | . | Q | V | . | . | . |
| 16.083 | 54.6415 | 449.62 | . | . | Q | V | . | . | . |
| 16.100 | 55.3204 | 492.92 | . | . | Q | V | . | . | . |
| 16.117 | 56.0590 | 536.21 | . | . | Q | V | . | . | . |
| 16.133 | 56.8572 | 579.51 | . | . | V | Q | . | . | . |
| 16.150 | 57.7151 | 622.81 | . | . | V | Q | . | . | . |
| 16.167 | 58.6326 | 666.10 | . | . | V | Q | . | . | . |
| 16.183 | 59.6097 | 709.40 | . | . | V | Q | . | . | . |
| 16.200 | 60.6465 | 752.70 | . | . | V | Q | . | . | . |
| 16.217 | 61.7429 | 795.99 | . | . | V | Q | . | . | . |
| 16.233 | 62.8989 | 839.29 | . | . | V | Q | . | . | . |
| 16.250 | 64.1146 | 882.59 | . | . | V | Q | . | . | . |
| 16.267 | 65.3899 | 925.88 | . | . | V | Q | . | . | . |
| 16.283 | 66.7434 | 982.60 | . | . | V | Q | . | . | . |
| 16.300 | 68.0484 | 947.45 | . | . | V | Q | . | . | . |
| 16.317 | 69.2833 | 896.51 | . | . | V | Q | . | . | . |
| 16.333 | 70.4480 | 845.57 | . | . | V | Q | . | . | . |
| 16.350 | 71.5425 | 794.63 | . | . | V | Q | . | . | . |
| 16.367 | 72.5669 | 743.69 | . | . | V | Q | . | . | . |
| 16.383 | 73.5211 | 692.75 | . | . | V | Q | . | . | . |
| 16.400 | 74.4051 | 641.81 | . | . | V | Q | . | . | . |
| 16.417 | 75.2190 | 590.87 | . | . | V | Q | . | . | . |
| 16.433 | 75.9627 | 539.93 | . | . | V | Q | . | . | . |
| 16.450 | 76.6362 | 488.99 | . | . | V | Q | . | . | . |
| 16.467 | 77.2396 | 438.04 | . | . | V | Q | . | . | . |
| 16.483 | 77.7728 | 387.10 | . | . | V | Q | . | . | . |
| 16.500 | 78.2358 | 336.17 | . | . | V | Q | . | . | . |
| 16.517 | 78.6287 | 285.23 | . | . | V | Q | . | . | . |
| 16.533 | 78.9514 | 234.29 | . | . | V | Q | . | . | . |

| | | | | | | | | | |
|--------|---------|--------|---|---|---|---|---|---|---|
| 16.550 | 79.2039 | 183.35 | . | Q | . | . | . | V | . |
| 16.567 | 79.3912 | 135.96 | . | Q | . | . | . | V | . |
| 16.583 | 79.5632 | 124.85 | . | Q | . | . | . | V | . |
| 16.600 | 79.7329 | 123.21 | . | Q | . | . | . | V | . |
| 16.617 | 79.9003 | 121.56 | . | Q | . | . | . | V | . |
| 16.633 | 80.0655 | 119.92 | . | Q | . | . | . | V | . |
| 16.650 | 80.2284 | 118.28 | . | Q | . | . | . | V | . |
| 16.667 | 80.3891 | 116.64 | . | Q | . | . | . | V | . |
| 16.683 | 80.5475 | 115.00 | . | Q | . | . | . | V | . |
| 16.700 | 80.7037 | 113.36 | . | Q | . | . | . | V | . |
| 16.717 | 80.8575 | 111.72 | . | Q | . | . | . | V | . |
| 16.733 | 81.0091 | 110.08 | . | Q | . | . | . | V | . |
| 16.750 | 81.1585 | 108.43 | . | Q | . | . | . | V | . |
| 16.767 | 81.3056 | 106.79 | . | Q | . | . | . | V | . |
| 16.783 | 81.4504 | 105.15 | . | Q | . | . | . | V | . |
| 16.800 | 81.5930 | 103.51 | . | Q | . | . | . | V | . |
| 16.817 | 81.7333 | 101.87 | . | Q | . | . | . | V | . |
| 16.833 | 81.8714 | 100.23 | . | Q | . | . | . | V | . |
| 16.850 | 82.0073 | 98.68 | . | Q | . | . | . | V | . |
| 16.867 | 82.1417 | 97.56 | . | Q | . | . | . | V | . |
| 16.883 | 82.2746 | 96.49 | . | Q | . | . | . | V | . |
| 16.900 | 82.4060 | 95.42 | . | Q | . | . | . | V | . |
| 16.917 | 82.5360 | 94.35 | . | Q | . | . | . | V | . |
| 16.933 | 82.6645 | 93.28 | . | Q | . | . | . | V | . |
| 16.950 | 82.7915 | 92.22 | . | Q | . | . | . | V | . |
| 16.967 | 82.9170 | 91.15 | . | Q | . | . | . | V | . |
| 16.983 | 83.0411 | 90.08 | . | Q | . | . | . | V | . |
| 17.000 | 83.1637 | 89.01 | . | 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% | 1021.0 |
| 10% | 555.0 |
| 20% | 205.0 |
| 30% | 145.0 |
| 40% | 125.0 |
| 50% | 105.0 |
| 60% | 85.0 |
| 70% | 65.0 |
| 80% | 45.0 |
| 90% | 20.0 |

 END OF FLOODSCx ROUTING ANALYSIS