

KOUV-LP VANCOUVER WASHINGTON

Facility ID: 196567

Modification of Construction Permit

| | |
|--------------------|--|
| Channel | 300 |
| New Location: | 45° 39' 22.5" N, 122° 23' 06.3"W -- NAD 83 |
| Relocation: | Minor Change |
| Antenna AGL | 30 m |
| Antenna Ground | 237 m |
| Antenna COR | 267 m |
| Total Tower Height | 31.5 m AMSL |
| HAAT | 25 m |
| Power | 100 w |
| ASR | N/A |

HAAT CALCULATION

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude 45° 39' 22.5" North

Longitude 122° 23' 6.3" West (NAD 83)

Height of antenna radiation center above mean sea level: 267 meters AMSL

Number of Evenly Spaced Radials = 8 0° is referenced to True North

Results

Calculated HAAT = 25 meters

Antenna Height Above Average Terrain calculated
using 1 km [GLOBE terrain data](#)

Individual "Radial HAAT" Values, in meters

| | |
|------|----------|
| 0° | -130.3 m |
| 45° | -430.2 m |
| 90° | -58.2 m |
| 135° | 95.0 m |
| 180° | 196.0 m |
| 225° | 203.4 m |
| 270° | 180.5 m |
| 315° | 146.1 m |

SPACING

Recording Nw

REFERENCE
 45 39 22.50 N. CLASS = L1
 122 23 06.30 W. Current Spacings to 2nd Adj.

DISPLAY DATES
 DATA 01-16-21
 SEARCH 02-09-21

----- Channel 300 - 107.9 MHz -----

| Call | Channel | Location | | Azi | Dist | FCC | Margin |
|---------|---------|----------|-----------|-----|-------|--------|------------|
| *KXJM | LIC | 298C0 | Banks | OR | 240.3 | 31.38 | 83.5 -52.1 |
| KOUV-LP | CP | 300L1 | Vancouver | WA | 300.6 | 0.82 | 23.5 -22.7 |
| KOUV-LP | LIC | 300L1 | Vancouver | WA | 301.4 | 0.83 | 23.5 -22.7 |
| KHPE | LIC | 300C | Albany | OR | 212.0 | 132.13 | 129.5 2.6 |

Reference station has protected zone issue: Canada
 All separation margins include rounding
 * See Second Adj Waiver

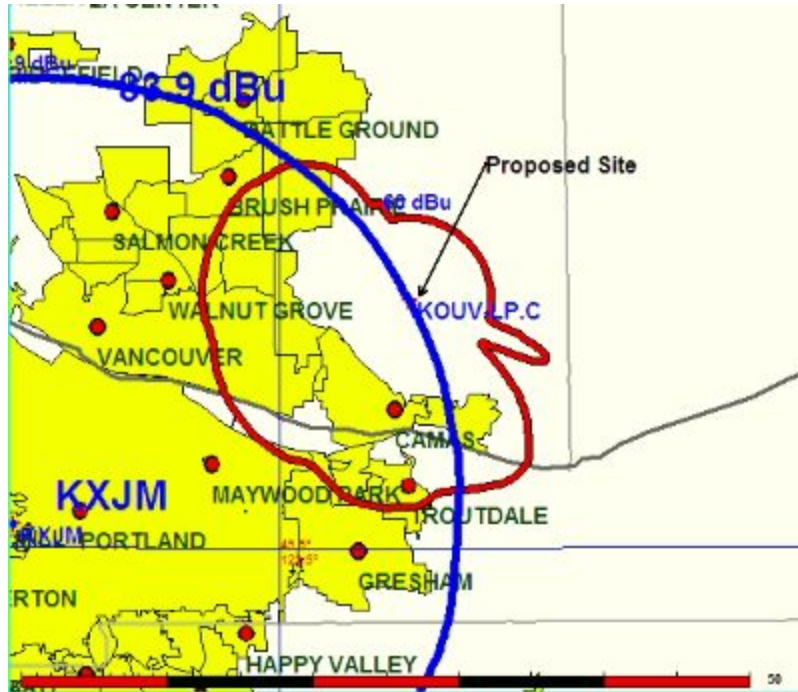
TOWAIR

| DETERMINATION Results | |
|--|------------------|
| Structure does not require registration. The structure meets the 6.10-meter (20-foot) Rule criteria. | |
| Your Specifications | |
| NAD83 Coordinates | |
| Latitude | 45-39-22.5 north |
| Longitude | 122-23-06.3 west |
| Measurements (Meters) | |
| Overall Structure Height (AGL) | 32 |
| Support Structure Height (AGL) | 32 |
| Site Elevation (AMSL) | 237 |
| Structure Type | |
| TREE - When used as a support for an antenna | |

SECOND ADJACENT WAIVER REQUEST

License respectfully requests a "second adjacent channel waiver" with regards to Section 47 C.F.R. Section 73.807 of the FCC rules based upon the "Living Way" precedence (Living Way Ministries, Inc., Memorandum Opinion and Order, 17 FCC Red 17054, 17056, ¶ 5 (2002), recon. denied 23 FCC Red 15070 (2008)). This will be accomplished by using Free Space methodology of calculation.

Using U/D methodology, at the proposed KOUV-LP transmitter location KXJM has a signal strength of 83.9 dBu. Interference will occur when the interfering signal exceeds the desired signal by 40 dbu for the lowest signal value. So the area of predicted interference would then be bounded by the 123.9 dBu contour.



The distance to this contour, using free space method:

$D = (7.01 \cdot P^{1/2}) / E$, where P is power (watts), E is field strength (v/m), and D is distance to contour (meters):

P = 100 w, E = 123.8 dBu D = 44.9 meters

However, the field strength of the proposed LPFM's antenna system falls quickly at depression angles below the horizon. Using elevation pattern data provided by Bext for a Telecom TFC2K 2-bay antenna, the distance to the 123.8 dBu contour at various depression angles is tabulated below. The data shows that the lowest point at which the signal strength rises to 123.8 dBu is 9.1 meters below the center of radiation of the antenna system, or 20.9 meters above the ground. Therefore, this is sufficient clearance, and the interference area encompasses zero population. The table below shows that the lowest elevation point of the 123.8 dBu F(50,10) interfering contour is 20.9 meters above the ground.

Due to zero population within this radiation radius, this meets the "Living Way" Criteria to qualify for a Waiver of 47 C.F.R. Section 73.807.

Thus, the applicant requests a second adjacent waiver based upon evidence no interference is proposed.

| MAX ERP | DEPRESSION ANGLE BELOW HORIZON | RELATIVE FIELD | dB FROM RELATIV E | ERP | ANGULA R DISTANC E TO 123.8 dBu CONTOU R | VERTICA L DISTANC E (below antenna) | HORIZONTAL DISTANCE TO 123.8 dBu CONTOUR | CLEARANCE OF CONTOUR ABOVE GROUND |
|---------|---|-------------------|-------------------------|--------|---|---|---|---|
| 100 | 0 | 1.001 | 0.009 | 100.20 | 44.7 | 0 | 44.7 | 30 |
| 100 | 0.4 | 1 | 0.000 | 100.00 | 44.7 | 0.3 | 44.6 | 29.7 |
| 100 | 0.8 | 0.999 | -0.009 | 99.80 | 44.6 | 0.6 | 44.5 | 29.4 |
| 100 | 1.1 | 0.998 | -0.017 | 99.60 | 44.6 | 0.8 | 44.5 | 29.2 |
| 100 | 1.5 | 0.997 | -0.026 | 99.40 | 44.6 | 1.1 | 44.5 | 28.9 |
| 100 | 1.9 | 0.995 | -0.044 | 99.00 | 44.5 | 1.4 | 44.4 | 28.6 |
| 100 | 2.3 | 0.993 | -0.061 | 98.60 | 44.4 | 1.7 | 44.3 | 28.3 |
| 100 | 2.6 | 0.991 | -0.079 | 98.21 | 44.3 | 2 | 44.2 | 28 |
| 100 | 3 | 0.988 | -0.105 | 97.61 | 44.2 | 2.3 | 44.1 | 27.7 |
| 100 | 3.4 | 0.986 | -0.122 | 97.22 | 44.1 | 2.6 | 44 | 27.4 |
| 100 | 3.8 | 0.983 | -0.149 | 96.63 | 43.9 | 2.9 | 43.8 | 27.1 |
| 100 | 4.1 | 0.979 | -0.184 | 95.84 | 43.8 | 3.1 | 43.6 | 26.9 |
| 100 | 4.5 | 0.976 | -0.211 | 95.26 | 43.6 | 3.4 | 43.4 | 26.6 |
| 100 | 4.9 | 0.972 | -0.247 | 94.48 | 43.4 | 3.7 | 43.2 | 26.3 |
| 100 | 5.3 | 0.967 | -0.291 | 93.51 | 43.2 | 3.9 | 43 | 26.1 |
| 100 | 5.6 | 0.962 | -0.336 | 92.54 | 43 | 4.1 | 42.7 | 25.9 |
| 100 | 6 | 0.957 | -0.382 | 91.58 | 42.8 | 4.4 | 42.5 | 25.6 |
| 100 | 6.4 | 0.951 | -0.436 | 90.44 | 42.5 | 4.7 | 42.2 | 25.3 |
| 100 | 6.8 | 0.945 | -0.491 | 89.30 | 42.2 | 4.9 | 41.9 | 25.1 |
| 100 | 7.1 | 0.939 | -0.547 | 88.17 | 42 | 5.1 | 41.6 | 24.9 |
| 100 | 7.5 | 0.933 | -0.602 | 87.05 | 41.7 | 5.4 | 41.3 | 24.6 |
| 100 | 7.9 | 0.926 | -0.668 | 85.75 | 41.4 | 5.6 | 41 | 24.4 |
| 100 | 8.3 | 0.919 | -0.734 | 84.46 | 41.1 | 5.9 | 40.6 | 24.1 |
| 100 | 8.6 | 0.912 | -0.800 | 83.17 | 40.8 | 6 | 40.3 | 24 |
| 100 | 9 | 0.905 | -0.867 | 81.90 | 40.4 | 6.3 | 39.9 | 23.7 |
| 100 | 9.4 | 0.897 | -0.944 | 80.46 | 40.1 | 6.5 | 39.5 | 23.5 |
| 100 | 9.8 | 0.889 | -1.022 | 79.03 | 39.7 | 6.7 | 39.1 | 23.3 |
| 100 | 10.2 | 0.881 | -1.100 | 77.62 | 39.4 | 6.9 | 38.7 | 23.1 |
| 100 | 10.5 | 0.872 | -1.190 | 76.04 | 39 | 7.1 | 38.3 | 22.9 |
| 100 | 10.9 | 0.863 | -1.280 | 74.48 | 38.6 | 7.2 | 37.9 | 22.8 |
| 100 | 11.3 | 0.854 | -1.371 | 72.93 | 38.2 | 7.4 | 37.4 | 22.6 |
| 100 | 11.7 | 0.845 | -1.463 | 71.40 | 37.8 | 7.6 | 37 | 22.4 |
| 100 | 12 | 0.835 | -1.566 | 69.72 | 37.3 | 7.7 | 36.4 | 22.3 |
| 100 | 12.4 | 0.826 | -1.660 | 68.23 | 36.9 | 7.9 | 36 | 22.1 |
| 100 | 12.8 | 0.816 | -1.766 | 66.59 | 36.5 | 8 | 35.5 | 22 |
| 100 | 13.2 | 0.806 | -1.873 | 64.96 | 36 | 8.2 | 35 | 21.8 |
| 100 | 13.5 | 0.796 | -1.982 | 63.36 | 35.6 | 8.3 | 34.6 | 21.7 |

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|-----|------|-------|---------|-------|------|-----|------|------|
| 100 | 13.9 | 0.785 | -2.103 | 61.62 | 35.1 | 8.4 | 34 | 21.6 |
| 100 | 14.3 | 0.775 | -2.214 | 60.06 | 34.6 | 8.5 | 33.5 | 21.5 |
| 100 | 14.7 | 0.764 | -2.338 | 58.37 | 34.1 | 8.6 | 32.9 | 21.4 |
| 100 | 15 | 0.754 | -2.453 | 56.85 | 33.7 | 8.7 | 32.5 | 21.3 |
| 100 | 15.4 | 0.742 | -2.592 | 55.06 | 33.1 | 8.7 | 31.9 | 21.3 |
| 100 | 15.8 | 0.731 | -2.722 | 53.44 | 32.7 | 8.8 | 31.4 | 21.2 |
| 100 | 16.2 | 0.719 | -2.865 | 51.70 | 32.1 | 8.9 | 30.8 | 21.1 |
| 100 | 16.5 | 0.707 | -3.012 | 49.98 | 31.6 | 8.9 | 30.3 | 21.1 |
| 100 | 16.9 | 0.696 | -3.148 | 48.44 | 31.1 | 9 | 29.7 | 21 |
| 100 | 17.3 | 0.684 | -3.299 | 46.79 | 30.6 | 9 | 29.2 | 21 |
| 100 | 17.7 | 0.672 | -3.453 | 45.16 | 30 | 9.1 | 28.5 | 20.9 |
| 100 | 18 | 0.66 | -3.609 | 43.56 | 29.5 | 9.1 | 28 | 20.9 |
| 100 | 18.4 | 0.648 | -3.768 | 41.99 | 28.9 | 9.1 | 27.4 | 20.9 |
| 100 | 18.8 | 0.636 | -3.931 | 40.45 | 28.4 | 9.1 | 26.8 | 20.9 |
| 100 | 19.2 | 0.624 | -4.096 | 38.94 | 27.9 | 9.1 | 26.3 | 20.9 |
| 100 | 19.6 | 0.612 | -4.265 | 37.45 | 27.3 | 9.1 | 25.7 | 20.9 |
| 100 | 19.9 | 0.599 | -4.451 | 35.88 | 26.8 | 9.1 | 25.2 | 20.9 |
| 100 | 20.3 | 0.587 | -4.627 | 34.46 | 26.2 | 9 | 24.5 | 21 |
| 100 | 20.7 | 0.574 | -4.822 | 32.95 | 25.6 | 9 | 23.9 | 21 |
| 100 | 21.1 | 0.562 | -5.005 | 31.58 | 25.1 | 9 | 23.4 | 21 |
| 100 | 21.4 | 0.549 | -5.209 | 30.14 | 24.5 | 8.9 | 22.8 | 21.1 |
| 100 | 21.8 | 0.536 | -5.417 | 28.73 | 23.9 | 8.8 | 22.1 | 21.2 |
| 100 | 22.2 | 0.524 | -5.613 | 27.46 | 23.4 | 8.8 | 21.6 | 21.2 |
| 100 | 22.6 | 0.511 | -5.832 | 26.11 | 22.8 | 8.7 | 21 | 21.3 |
| 100 | 22.9 | 0.499 | -6.038 | 24.90 | 22.3 | 8.6 | 20.5 | 21.4 |
| 100 | 23.3 | 0.486 | -6.267 | 23.62 | 21.7 | 8.5 | 19.9 | 21.5 |
| 100 | 23.7 | 0.474 | -6.484 | 22.47 | 21.2 | 8.5 | 19.4 | 21.5 |
| 100 | 24.1 | 0.461 | -6.726 | 21.25 | 20.6 | 8.4 | 18.8 | 21.6 |
| 100 | 24.4 | 0.449 | -6.955 | 20.16 | 20 | 8.2 | 18.2 | 21.8 |
| 100 | 24.8 | 0.436 | -7.210 | 19.01 | 19.5 | 8.1 | 17.7 | 21.9 |
| 100 | 25.2 | 0.424 | -7.453 | 17.98 | 18.9 | 8 | 17.1 | 22 |
| 100 | 25.6 | 0.412 | -7.702 | 16.97 | 18.4 | 7.9 | 16.5 | 22.1 |
| 100 | 25.9 | 0.399 | -7.981 | 15.92 | 17.8 | 7.7 | 16 | 22.3 |
| 100 | 26.3 | 0.387 | -8.246 | 14.98 | 17.3 | 7.6 | 15.5 | 22.4 |
| 100 | 26.7 | 0.375 | -8.519 | 14.06 | 16.7 | 7.5 | 14.9 | 22.5 |
| 100 | 27.1 | 0.363 | -8.802 | 13.18 | 16.2 | 7.3 | 14.4 | 22.7 |
| 100 | 27.4 | 0.351 | -9.094 | 12.32 | 15.7 | 7.2 | 13.9 | 22.8 |
| 100 | 27.8 | 0.339 | -9.396 | 11.49 | 15.1 | 7 | 13.3 | 23 |
| 100 | 28.2 | 0.327 | -9.709 | 10.69 | 14.6 | 6.8 | 12.8 | 23.2 |
| 100 | 28.6 | 0.316 | -10.006 | 9.99 | 14.1 | 6.7 | 12.3 | 23.3 |
| 100 | 29 | 0.304 | -10.343 | 9.24 | 13.6 | 6.5 | 11.8 | 23.5 |
| 100 | 29.3 | 0.293 | -10.663 | 8.58 | 13.1 | 6.4 | 11.4 | 23.6 |
| 100 | 29.7 | 0.282 | -10.995 | 7.95 | 12.6 | 6.2 | 10.9 | 23.8 |
| 100 | 30.1 | 0.271 | -11.341 | 7.34 | 12.1 | 6 | 10.4 | 24 |
| 100 | 30.5 | 0.259 | -11.734 | 6.71 | 11.5 | 5.8 | 9.9 | 24.2 |
| 100 | 30.8 | 0.248 | -12.111 | 6.15 | 11 | 5.6 | 9.4 | 24.4 |

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|-----|------|-------|---------|------|------|-----|-----|------|
| 100 | 31.2 | 0.237 | -12.505 | 5.62 | 10.6 | 5.4 | 9 | 24.6 |
| 100 | 31.6 | 0.227 | -12.879 | 5.15 | 10.1 | 5.2 | 8.6 | 24.8 |
| 100 | 32 | 0.216 | -13.311 | 4.67 | 9.6 | 5 | 8.1 | 25 |
| 100 | 32.3 | 0.206 | -13.723 | 4.24 | 9.2 | 4.9 | 7.7 | 25.1 |
| 100 | 32.7 | 0.195 | -14.199 | 3.80 | 8.7 | 4.6 | 7.3 | 25.4 |
| 100 | 33.1 | 0.185 | -14.657 | 3.42 | 8.2 | 4.4 | 6.8 | 25.6 |
| 100 | 33.5 | 0.175 | -15.139 | 3.06 | 7.8 | 4.3 | 6.5 | 25.7 |
| 100 | 33.8 | 0.166 | -15.598 | 2.76 | 7.4 | 4.1 | 6.1 | 25.9 |
| 100 | 34.2 | 0.156 | -16.138 | 2.43 | 6.9 | 3.8 | 5.7 | 26.2 |
| 100 | 34.6 | 0.147 | -16.654 | 2.16 | 6.5 | 3.6 | 5.3 | 26.4 |
| 100 | 35 | 0.137 | -17.266 | 1.88 | 6.1 | 3.4 | 4.9 | 26.6 |
| 100 | 35.3 | 0.128 | -17.856 | 1.64 | 5.7 | 3.2 | 4.6 | 26.8 |
| 100 | 35.7 | 0.119 | -18.489 | 1.42 | 5.3 | 3 | 4.3 | 27 |
| 100 | 36.1 | 0.111 | -19.094 | 1.23 | 4.9 | 2.8 | 3.9 | 27.2 |
| 100 | 36.5 | 0.102 | -19.828 | 1.04 | 4.5 | 2.6 | 3.6 | 27.4 |
| 100 | 36.8 | 0.094 | -20.537 | 0.88 | 4.2 | 2.5 | 3.3 | 27.5 |
| 100 | 37.2 | 0.085 | -21.412 | 0.72 | 3.8 | 2.2 | 3 | 27.8 |
| 100 | 37.6 | 0.077 | -22.270 | 0.59 | 3.4 | 2 | 2.6 | 28 |
| 100 | 38 | 0.07 | -23.098 | 0.49 | 3.1 | 1.9 | 2.4 | 28.1 |
| 100 | 38.4 | 0.062 | -24.152 | 0.38 | 2.7 | 1.6 | 2.1 | 28.4 |
| 100 | 38.7 | 0.055 | -25.193 | 0.30 | 2.4 | 1.4 | 1.8 | 28.6 |
| 100 | 39.1 | 0.047 | -26.558 | 0.22 | 2.1 | 1.3 | 1.6 | 28.7 |
| 100 | 39.5 | 0.04 | -27.959 | 0.16 | 1.7 | 1 | 1.3 | 29 |
| 100 | 39.9 | 0.033 | -29.630 | 0.11 | 1.4 | 0.8 | 1 | 29.2 |
| 100 | 40.2 | 0.026 | -31.701 | 0.07 | 1.1 | 0.7 | 0.8 | 29.3 |
| 100 | 40.6 | 0.02 | -33.979 | 0.04 | 0.8 | 0.5 | 0.6 | 29.5 |
| 100 | 41 | 0.013 | -37.721 | 0.02 | 0.5 | 0.3 | 0.3 | 29.7 |
| 100 | 41.4 | 0.007 | -43.098 | 0.00 | 0.3 | 0.1 | 0.2 | 29.9 |
| 100 | 41.7 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 30 |
| 100 | 42.1 | 0.005 | -46.021 | 0.00 | 0.2 | 0.1 | 0.1 | 29.9 |
| 100 | 42.5 | 0.01 | -40.000 | 0.01 | 0.4 | 0.2 | 0.2 | 29.8 |
| 100 | 42.9 | 0.016 | -35.918 | 0.03 | 0.7 | 0.4 | 0.5 | 29.6 |
| 100 | 43.2 | 0.021 | -33.556 | 0.04 | 0.9 | 0.6 | 0.6 | 29.4 |
| 100 | 43.6 | 0.026 | -31.701 | 0.07 | 1.1 | 0.7 | 0.7 | 29.3 |
| 100 | 44 | 0.031 | -30.173 | 0.10 | 1.3 | 0.9 | 0.9 | 29.1 |
| 100 | 44.4 | 0.036 | -28.874 | 0.13 | 1.6 | 1.1 | 1.1 | 28.9 |
| 100 | 44.7 | 0.04 | -27.959 | 0.16 | 1.7 | 1.1 | 1.2 | 28.9 |
| 100 | 45.1 | 0.045 | -26.936 | 0.20 | 2 | 1.4 | 1.4 | 28.6 |
| 100 | 45.5 | 0.049 | -26.196 | 0.24 | 2.1 | 1.4 | 1.4 | 28.6 |
| 100 | 45.9 | 0.053 | -25.514 | 0.28 | 2.3 | 1.6 | 1.6 | 28.4 |
| 100 | 46.2 | 0.057 | -24.883 | 0.32 | 2.5 | 1.8 | 1.7 | 28.2 |
| 100 | 46.6 | 0.061 | -24.293 | 0.37 | 2.7 | 1.9 | 1.8 | 28.1 |
| 100 | 47 | 0.064 | -23.876 | 0.41 | 2.8 | 2 | 1.9 | 28 |
| 100 | 47.4 | 0.068 | -23.350 | 0.46 | 3 | 2.2 | 2 | 27.8 |
| 100 | 47.8 | 0.071 | -22.975 | 0.50 | 3.1 | 2.2 | 2 | 27.8 |
| 100 | 48.1 | 0.074 | -22.615 | 0.55 | 3.3 | 2.4 | 2.2 | 27.6 |

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|-----|------|-------|---------|------|-----|-----|-----|------|
| 100 | 48.5 | 0.077 | -22.270 | 0.59 | 3.4 | 2.5 | 2.2 | 27.5 |
| 100 | 48.9 | 0.079 | -22.047 | 0.62 | 3.5 | 2.6 | 2.3 | 27.4 |
| 100 | 49.3 | 0.082 | -21.724 | 0.67 | 3.6 | 2.7 | 2.3 | 27.3 |
| 100 | 49.6 | 0.085 | -21.412 | 0.72 | 3.8 | 2.8 | 2.4 | 27.2 |
| 100 | 50 | 0.087 | -21.210 | 0.76 | 3.8 | 2.9 | 2.4 | 27.1 |
| 100 | 50.4 | 0.089 | -21.012 | 0.79 | 3.9 | 3 | 2.4 | 27 |
| 100 | 50.8 | 0.091 | -20.819 | 0.83 | 4 | 3 | 2.5 | 27 |
| 100 | 51.1 | 0.093 | -20.630 | 0.86 | 4.1 | 3.1 | 2.5 | 26.9 |
| 100 | 51.5 | 0.095 | -20.446 | 0.90 | 4.2 | 3.2 | 2.6 | 26.8 |
| 100 | 51.9 | 0.096 | -20.355 | 0.92 | 4.2 | 3.3 | 2.5 | 26.7 |
| 100 | 52.3 | 0.098 | -20.175 | 0.96 | 4.3 | 3.4 | 2.6 | 26.6 |
| 100 | 52.6 | 0.099 | -20.087 | 0.98 | 4.4 | 3.4 | 2.6 | 26.6 |
| 100 | 53 | 0.1 | -20.000 | 1.00 | 4.4 | 3.5 | 2.6 | 26.5 |
| 100 | 53.4 | 0.101 | -19.914 | 1.02 | 4.5 | 3.6 | 2.6 | 26.4 |
| 100 | 53.8 | 0.102 | -19.828 | 1.04 | 4.5 | 3.6 | 2.6 | 26.4 |
| 100 | 54.1 | 0.103 | -19.743 | 1.06 | 4.6 | 3.7 | 2.6 | 26.3 |
| 100 | 54.5 | 0.104 | -19.659 | 1.08 | 4.6 | 3.7 | 2.6 | 26.3 |
| 100 | 54.9 | 0.105 | -19.576 | 1.10 | 4.6 | 3.7 | 2.6 | 26.3 |
| 100 | 55.3 | 0.105 | -19.576 | 1.10 | 4.6 | 3.7 | 2.6 | 26.3 |
| 100 | 55.6 | 0.106 | -19.494 | 1.12 | 4.7 | 3.8 | 2.6 | 26.2 |
| 100 | 56 | 0.106 | -19.494 | 1.12 | 4.7 | 3.8 | 2.6 | 26.2 |
| 100 | 56.4 | 0.106 | -19.494 | 1.12 | 4.7 | 3.9 | 2.6 | 26.1 |
| 100 | 56.8 | 0.107 | -19.412 | 1.14 | 4.7 | 3.9 | 2.5 | 26.1 |
| 100 | 57.2 | 0.107 | -19.412 | 1.14 | 4.7 | 3.9 | 2.5 | 26.1 |
| 100 | 57.5 | 0.107 | -19.412 | 1.14 | 4.7 | 3.9 | 2.5 | 26.1 |
| 100 | 57.9 | 0.106 | -19.494 | 1.12 | 4.7 | 3.9 | 2.4 | 26.1 |
| 100 | 58.3 | 0.106 | -19.494 | 1.12 | 4.7 | 3.9 | 2.4 | 26.1 |
| 100 | 58.7 | 0.106 | -19.494 | 1.12 | 4.7 | 4 | 2.4 | 26 |
| 100 | 59 | 0.106 | -19.494 | 1.12 | 4.7 | 4 | 2.4 | 26 |
| 100 | 59.4 | 0.105 | -19.576 | 1.10 | 4.6 | 3.9 | 2.3 | 26.1 |
| 100 | 59.8 | 0.105 | -19.576 | 1.10 | 4.6 | 3.9 | 2.3 | 26.1 |
| 100 | 60.2 | 0.104 | -19.659 | 1.08 | 4.6 | 3.9 | 2.2 | 26.1 |
| 100 | 60.5 | 0.103 | -19.743 | 1.06 | 4.6 | 4 | 2.2 | 26 |
| 100 | 60.9 | 0.103 | -19.743 | 1.06 | 4.6 | 4 | 2.2 | 26 |
| 100 | 61.3 | 0.102 | -19.828 | 1.04 | 4.5 | 3.9 | 2.1 | 26.1 |
| 100 | 61.7 | 0.101 | -19.914 | 1.02 | 4.5 | 3.9 | 2.1 | 26.1 |
| 100 | 62 | 0.1 | -20.000 | 1.00 | 4.4 | 3.8 | 2 | 26.2 |
| 100 | 62.4 | 0.099 | -20.087 | 0.98 | 4.4 | 3.8 | 2 | 26.2 |
| 100 | 62.8 | 0.098 | -20.175 | 0.96 | 4.3 | 3.8 | 1.9 | 26.2 |
| 100 | 63.2 | 0.097 | -20.265 | 0.94 | 4.3 | 3.8 | 1.9 | 26.2 |
| 100 | 63.5 | 0.096 | -20.355 | 0.92 | 4.2 | 3.7 | 1.8 | 26.3 |
| 100 | 63.9 | 0.095 | -20.446 | 0.90 | 4.2 | 3.7 | 1.8 | 26.3 |
| 100 | 64.3 | 0.094 | -20.537 | 0.88 | 4.2 | 3.7 | 1.8 | 26.3 |
| 100 | 64.7 | 0.092 | -20.724 | 0.85 | 4.1 | 3.7 | 1.7 | 26.3 |
| 100 | 65 | 0.091 | -20.819 | 0.83 | 4 | 3.6 | 1.6 | 26.4 |
| 100 | 65.4 | 0.09 | -20.915 | 0.81 | 4 | 3.6 | 1.6 | 26.4 |

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|-----|------|-------|---------|------|-----|-----|-----|------|
| 100 | 65.8 | 0.088 | -21.110 | 0.77 | 3.9 | 3.5 | 1.6 | 26.5 |
| 100 | 66.2 | 0.087 | -21.210 | 0.76 | 3.8 | 3.4 | 1.5 | 26.6 |
| 100 | 66.6 | 0.086 | -21.310 | 0.74 | 3.8 | 3.4 | 1.5 | 26.6 |
| 100 | 66.9 | 0.084 | -21.514 | 0.71 | 3.7 | 3.4 | 1.4 | 26.6 |
| 100 | 67.3 | 0.083 | -21.618 | 0.69 | 3.7 | 3.4 | 1.4 | 26.6 |
| 100 | 67.7 | 0.081 | -21.830 | 0.66 | 3.6 | 3.3 | 1.3 | 26.7 |
| 100 | 68.1 | 0.08 | -21.938 | 0.64 | 3.5 | 3.2 | 1.3 | 26.8 |
| 100 | 68.4 | 0.078 | -22.158 | 0.61 | 3.4 | 3.1 | 1.2 | 26.9 |
| 100 | 68.8 | 0.077 | -22.270 | 0.59 | 3.4 | 3.1 | 1.2 | 26.9 |
| 100 | 69.2 | 0.075 | -22.499 | 0.56 | 3.3 | 3 | 1.1 | 27 |
| 100 | 69.6 | 0.074 | -22.615 | 0.55 | 3.3 | 3 | 1.1 | 27 |
| 100 | 69.9 | 0.072 | -22.853 | 0.52 | 3.2 | 3 | 1.1 | 27 |
| 100 | 70.3 | 0.07 | -23.098 | 0.49 | 3.1 | 2.9 | 1 | 27.1 |
| 100 | 70.7 | 0.069 | -23.223 | 0.48 | 3 | 2.8 | 0.9 | 27.2 |
| 100 | 71.1 | 0.067 | -23.479 | 0.45 | 2.9 | 2.7 | 0.9 | 27.3 |
| 100 | 71.4 | 0.066 | -23.609 | 0.44 | 2.9 | 2.7 | 0.9 | 27.3 |
| 100 | 71.8 | 0.064 | -23.876 | 0.41 | 2.8 | 2.6 | 0.8 | 27.4 |
| 100 | 72.2 | 0.062 | -24.152 | 0.38 | 2.7 | 2.5 | 0.8 | 27.5 |
| 100 | 72.6 | 0.061 | -24.293 | 0.37 | 2.7 | 2.5 | 0.8 | 27.5 |
| 100 | 72.9 | 0.059 | -24.583 | 0.35 | 2.6 | 2.4 | 0.7 | 27.6 |
| 100 | 73.3 | 0.057 | -24.883 | 0.32 | 2.5 | 2.3 | 0.7 | 27.7 |
| 100 | 73.7 | 0.056 | -25.036 | 0.31 | 2.5 | 2.3 | 0.7 | 27.7 |
| 100 | 74.1 | 0.054 | -25.352 | 0.29 | 2.4 | 2.3 | 0.6 | 27.7 |
| 100 | 74.4 | 0.052 | -25.680 | 0.27 | 2.3 | 2.2 | 0.6 | 27.8 |
| 100 | 74.8 | 0.051 | -25.849 | 0.26 | 2.2 | 2.1 | 0.5 | 27.9 |
| 100 | 75.2 | 0.049 | -26.196 | 0.24 | 2.1 | 2 | 0.5 | 28 |
| 100 | 75.6 | 0.047 | -26.558 | 0.22 | 2.1 | 2 | 0.5 | 28 |
| 100 | 76 | 0.046 | -26.745 | 0.21 | 2 | 1.9 | 0.4 | 28.1 |
| 100 | 76.3 | 0.044 | -27.131 | 0.19 | 1.9 | 1.8 | 0.4 | 28.2 |
| 100 | 76.7 | 0.043 | -27.331 | 0.18 | 1.9 | 1.8 | 0.4 | 28.2 |
| 100 | 77.1 | 0.041 | -27.744 | 0.17 | 1.8 | 1.7 | 0.4 | 28.3 |
| 100 | 77.5 | 0.039 | -28.179 | 0.15 | 1.7 | 1.6 | 0.3 | 28.4 |
| 100 | 77.8 | 0.038 | -28.404 | 0.14 | 1.7 | 1.6 | 0.3 | 28.4 |
| 100 | 78.2 | 0.036 | -28.874 | 0.13 | 1.6 | 1.5 | 0.3 | 28.5 |
| 100 | 78.6 | 0.035 | -29.119 | 0.12 | 1.5 | 1.4 | 0.2 | 28.6 |
| 100 | 79 | 0.033 | -29.630 | 0.11 | 1.4 | 1.3 | 0.2 | 28.7 |
| 100 | 79.3 | 0.031 | -30.173 | 0.10 | 1.3 | 1.2 | 0.2 | 28.8 |
| 100 | 79.7 | 0.03 | -30.458 | 0.09 | 1.3 | 1.2 | 0.2 | 28.8 |
| 100 | 80.1 | 0.028 | -31.057 | 0.08 | 1.2 | 1.1 | 0.2 | 28.9 |
| 100 | 80.5 | 0.027 | -31.373 | 0.07 | 1.2 | 1.1 | 0.1 | 28.9 |
| 100 | 80.8 | 0.026 | -31.701 | 0.07 | 1.1 | 1 | 0.1 | 29 |
| 100 | 81.2 | 0.024 | -32.396 | 0.06 | 1 | 0.9 | 0.1 | 29.1 |
| 100 | 81.6 | 0.023 | -32.765 | 0.05 | 1 | 0.9 | 0.1 | 29.1 |
| 100 | 82 | 0.022 | -33.152 | 0.05 | 0.9 | 0.8 | 0.1 | 29.2 |
| 100 | 82.3 | 0.02 | -33.979 | 0.04 | 0.8 | 0.7 | 0.1 | 29.3 |
| 100 | 82.7 | 0.019 | -34.425 | 0.04 | 0.8 | 0.7 | 0.1 | 29.3 |

| | | | | | | | | |
|-----|------|-------|---------|-------|-------|-------|-------|-------|
| 100 | 83.1 | 0.018 | -34.895 | 0.03 | 0.8 | 0.7 | 0 | 29.3 |
| 100 | 83.5 | 0.016 | -35.918 | 0.03 | 0.7 | 0.6 | 0 | 29.4 |
| 100 | 83.8 | 0.015 | -36.478 | 0.02 | 0.6 | 0.5 | 0 | 29.5 |
| 100 | 84.2 | 0.014 | -37.077 | 0.02 | 0.6 | 0.5 | 0 | 29.5 |
| 100 | 84.6 | 0.012 | -38.416 | 0.01 | 0.5 | 0.4 | 0 | 29.6 |
| 100 | 85 | 0.011 | -39.172 | 0.01 | 0.4 | 0.3 | 0 | 29.7 |
| 100 | 85.4 | 0.01 | -40.000 | 0.01 | 0.4 | 0.3 | 0 | 29.7 |
| 100 | 85.7 | 0.009 | -40.915 | 0.01 | 0.4 | 0.3 | 0 | 29.7 |
| 100 | 86.1 | 0.009 | -40.915 | 0.01 | 0.4 | 0.3 | 0 | 29.7 |
| 100 | 86.5 | 0.008 | -41.938 | 0.01 | 0.3 | 0.2 | 0 | 29.8 |
| 100 | 86.9 | 0.007 | -43.098 | 0.00 | 0.3 | 0.2 | 0 | 29.8 |
| 100 | 87.2 | 0.006 | -44.437 | 0.00 | 0.2 | 0.1 | 0 | 29.9 |
| 100 | 87.6 | 0.005 | -46.021 | 0.00 | 0.2 | 0.1 | 0 | 29.9 |
| 100 | 88 | 0.004 | -47.959 | 0.00 | 0.1 | 0 | 0 | 30 |
| 100 | 88.4 | 0.004 | -47.959 | 0.00 | 0.1 | 0 | 0 | 30 |
| 100 | 88.7 | 0.003 | -50.458 | 0.00 | 0.1 | 0 | 0 | 30 |
| 100 | 89.1 | 0.002 | -53.979 | 0.00 | 0 | 0 | 0 | 30 |
| 100 | 89.5 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 30 |
| 100 | 89.9 | 0 | #NUM! | #NUM! | #NUM! | #NUM! | #NUM! | #NUM! |
| 100 | 90.2 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 30 |
| 100 | 90.6 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 30 |
| 100 | 91 | 0.002 | -53.979 | 0.00 | 0 | 0 | 0 | 30 |
| 100 | 91.4 | 0.003 | -50.458 | 0.00 | 0.1 | 0 | 0 | 30 |
| 100 | 91.7 | 0.004 | -47.959 | 0.00 | 0.1 | 0 | 0 | 30 |
| 100 | 92.1 | 0.005 | -46.021 | 0.00 | 0.2 | 0.1 | 0 | 29.9 |
| 100 | 92.5 | 0.006 | -44.437 | 0.00 | 0.2 | 0.1 | 0 | 29.9 |
| 100 | 92.9 | 0.007 | -43.098 | 0.00 | 0.3 | 0.2 | 0 | 29.8 |
| 100 | 93.2 | 0.008 | -41.938 | 0.01 | 0.3 | 0.2 | 0 | 29.8 |
| 100 | 93.6 | 0.008 | -41.938 | 0.01 | 0.3 | 0.2 | 0 | 29.8 |
| 100 | 94 | 0.009 | -40.915 | 0.01 | 0.4 | 0.3 | 0 | 29.7 |
| 100 | 94.4 | 0.01 | -40.000 | 0.01 | 0.4 | 0.3 | 0 | 29.7 |
| 100 | 94.8 | 0.011 | -39.172 | 0.01 | 0.4 | 0.3 | 0 | 29.7 |
| 100 | 95.1 | 0.012 | -38.416 | 0.01 | 0.5 | 0.4 | 0 | 29.6 |
| 100 | 95.5 | 0.013 | -37.721 | 0.02 | 0.5 | 0.4 | 0 | 29.6 |
| 100 | 95.9 | 0.015 | -36.478 | 0.02 | 0.6 | 0.5 | 0 | 29.5 |
| 100 | 96.3 | 0.016 | -35.918 | 0.03 | 0.7 | 0.6 | 0 | 29.4 |
| 100 | 96.6 | 0.017 | -35.391 | 0.03 | 0.7 | 0.6 | 0 | 29.4 |
| 100 | 97 | 0.018 | -34.895 | 0.03 | 0.8 | 0.7 | 0 | 29.3 |
| 100 | 97.4 | 0.02 | -33.979 | 0.04 | 0.8 | 0.7 | -0.1 | 29.3 |
| 100 | 97.8 | 0.021 | -33.556 | 0.04 | 0.9 | 0.8 | -0.1 | 29.2 |
| 100 | 98.1 | 0.022 | -33.152 | 0.05 | 0.9 | 0.8 | -0.1 | 29.2 |
| 100 | 98.5 | 0.023 | -32.765 | 0.05 | 1 | 0.9 | -0.1 | 29.1 |
| 100 | 98.9 | 0.025 | -32.041 | 0.06 | 1.1 | 1 | -0.1 | 29 |
| 100 | 99.3 | 0.026 | -31.701 | 0.07 | 1.1 | 1 | -0.1 | 29 |
| 100 | 99.6 | 0.027 | -31.373 | 0.07 | 1.2 | 1.1 | -0.1 | 28.9 |
| 100 | 100 | 0.028 | -31.057 | 0.08 | 1.2 | 1.1 | -0.2 | 28.9 |

| | | | | | | | | |
|-----|-------|-------|---------|------|-----|-----|------|------|
| 100 | 100.4 | 0.03 | -30.458 | 0.09 | 1.3 | 1.2 | -0.2 | 28.8 |
| 100 | 100.8 | 0.031 | -30.173 | 0.10 | 1.3 | 1.2 | -0.2 | 28.8 |
| 100 | 101.1 | 0.033 | -29.630 | 0.11 | 1.4 | 1.3 | -0.2 | 28.7 |
| 100 | 101.5 | 0.034 | -29.370 | 0.12 | 1.5 | 1.4 | -0.2 | 28.6 |
| 100 | 101.9 | 0.036 | -28.874 | 0.13 | 1.6 | 1.5 | -0.3 | 28.5 |
| 100 | 102.3 | 0.037 | -28.636 | 0.14 | 1.6 | 1.5 | -0.3 | 28.5 |
| 100 | 102.6 | 0.039 | -28.179 | 0.15 | 1.7 | 1.6 | -0.3 | 28.4 |
| 100 | 103 | 0.04 | -27.959 | 0.16 | 1.7 | 1.6 | -0.3 | 28.4 |
| 100 | 103.4 | 0.041 | -27.744 | 0.17 | 1.8 | 1.7 | -0.4 | 28.3 |
| 100 | 103.8 | 0.043 | -27.331 | 0.18 | 1.9 | 1.8 | -0.4 | 28.2 |
| 100 | 104.2 | 0.044 | -27.131 | 0.19 | 1.9 | 1.8 | -0.4 | 28.2 |
| 100 | 104.5 | 0.046 | -26.745 | 0.21 | 2 | 1.9 | -0.4 | 28.1 |
| 100 | 104.9 | 0.047 | -26.558 | 0.22 | 2.1 | 2 | -0.5 | 28 |
| 100 | 105.3 | 0.048 | -26.375 | 0.23 | 2.1 | 2 | -0.5 | 28 |
| 100 | 105.7 | 0.05 | -26.021 | 0.25 | 2.2 | 2.1 | -0.5 | 27.9 |
| 100 | 106 | 0.051 | -25.849 | 0.26 | 2.2 | 2.1 | -0.6 | 27.9 |
| 100 | 106.4 | 0.053 | -25.514 | 0.28 | 2.3 | 2.2 | -0.6 | 27.8 |
| 100 | 106.8 | 0.054 | -25.352 | 0.29 | 2.4 | 2.2 | -0.6 | 27.8 |
| 100 | 107.2 | 0.056 | -25.036 | 0.31 | 2.5 | 2.3 | -0.7 | 27.7 |
| 100 | 107.5 | 0.057 | -24.883 | 0.32 | 2.5 | 2.3 | -0.7 | 27.7 |
| 100 | 107.9 | 0.059 | -24.583 | 0.35 | 2.6 | 2.4 | -0.7 | 27.6 |
| 100 | 108.3 | 0.06 | -24.437 | 0.36 | 2.6 | 2.4 | -0.8 | 27.6 |
| 100 | 108.7 | 0.061 | -24.293 | 0.37 | 2.7 | 2.5 | -0.8 | 27.5 |
| 100 | 109 | 0.063 | -24.013 | 0.40 | 2.8 | 2.6 | -0.9 | 27.4 |
| 100 | 109.4 | 0.064 | -23.876 | 0.41 | 2.8 | 2.6 | -0.9 | 27.4 |
| 100 | 109.8 | 0.065 | -23.742 | 0.42 | 2.9 | 2.7 | -0.9 | 27.3 |
| 100 | 110.2 | 0.067 | -23.479 | 0.45 | 2.9 | 2.7 | -0.9 | 27.3 |
| 100 | 110.5 | 0.068 | -23.350 | 0.46 | 3 | 2.8 | -1 | 27.2 |
| 100 | 110.9 | 0.07 | -23.098 | 0.49 | 3.1 | 2.8 | -1.1 | 27.2 |
| 100 | 111.3 | 0.071 | -22.975 | 0.50 | 3.1 | 2.8 | -1.1 | 27.2 |
| 100 | 111.7 | 0.072 | -22.853 | 0.52 | 3.2 | 2.9 | -1.1 | 27.1 |
| 100 | 112 | 0.073 | -22.734 | 0.53 | 3.2 | 2.9 | -1.1 | 27.1 |
| 100 | 112.4 | 0.075 | -22.499 | 0.56 | 3.3 | 3 | -1.2 | 27 |
| 100 | 112.8 | 0.076 | -22.384 | 0.58 | 3.4 | 3.1 | -1.3 | 26.9 |
| 100 | 113.2 | 0.077 | -22.270 | 0.59 | 3.4 | 3.1 | -1.3 | 26.9 |
| 100 | 113.6 | 1/9 | -22.158 | 0.61 | 3.4 | 3.1 | -1.3 | 26.9 |
| 100 | 113.9 | 1/9 | -21.938 | 0.64 | 3.5 | 3.2 | -1.4 | 26.8 |
| 100 | 114.3 | 1/9 | -21.830 | 0.66 | 3.6 | 3.2 | -1.4 | 26.8 |
| 100 | 114.7 | 1/9 | -21.724 | 0.67 | 3.6 | 3.2 | -1.5 | 26.8 |
| 100 | 115.1 | 1/9 | -21.618 | 0.69 | 3.7 | 3.3 | -1.5 | 26.7 |
| 100 | 115.4 | 1/9 | -21.514 | 0.71 | 3.7 | 3.3 | -1.5 | 26.7 |
| 100 | 115.8 | 1/9 | -21.412 | 0.72 | 3.8 | 3.4 | -1.6 | 26.6 |
| 100 | 116.2 | 1/9 | -21.310 | 0.74 | 3.8 | 3.4 | -1.6 | 26.6 |
| 100 | 116.6 | 1/9 | -21.210 | 0.76 | 3.8 | 3.3 | -1.6 | 26.7 |
| 100 | 116.9 | 1/9 | -21.210 | 0.76 | 3.8 | 3.3 | -1.7 | 26.7 |
| 100 | 117.3 | 1/9 | -21.110 | 0.77 | 3.9 | 3.4 | -1.7 | 26.6 |

| | | | | | | | | |
|-----|-------|-------|---------|------|-----|-----|------|------|
| 100 | 117.7 | 1/9 | -21.012 | 0.79 | 3.9 | 3.4 | -1.8 | 26.6 |
| 100 | 118.1 | 1/9 | -20.915 | 0.81 | 4 | 3.5 | -1.8 | 26.5 |
| 100 | 118.4 | 1/9 | -20.915 | 0.81 | 4 | 3.5 | -1.8 | 26.5 |
| 100 | 118.8 | 1/9 | -20.819 | 0.83 | 4 | 3.5 | -1.9 | 26.5 |
| 100 | 119.2 | 1/9 | -20.724 | 0.85 | 4.1 | 3.5 | -1.9 | 26.5 |
| 100 | 119.6 | 1/9 | -20.724 | 0.85 | 4.1 | 3.5 | -2 | 26.5 |
| 100 | 119.9 | 1/9 | -20.724 | 0.85 | 4.1 | 3.5 | -2 | 26.5 |
| 100 | 120.3 | 1/9 | -20.630 | 0.86 | 4.1 | 3.5 | -2 | 26.5 |
| 100 | 120.7 | 1/9 | -20.630 | 0.86 | 4.1 | 3.5 | -2 | 26.5 |
| 100 | 121.1 | 1/9 | -20.630 | 0.86 | 4.1 | 3.5 | -2.1 | 26.5 |
| 100 | 121.4 | 1/9 | -20.537 | 0.88 | 4.2 | 3.5 | -2.1 | 26.5 |
| 100 | 121.8 | 1/9 | -20.537 | 0.88 | 4.2 | 3.5 | -2.2 | 26.5 |
| 100 | 122.2 | 1/9 | -20.537 | 0.88 | 4.2 | 3.5 | -2.2 | 26.5 |
| 100 | 122.6 | 1/9 | -20.537 | 0.88 | 4.2 | 3.5 | -2.2 | 26.5 |
| 100 | 123 | 1/9 | -20.537 | 0.88 | 4.2 | 3.5 | -2.2 | 26.5 |
| 100 | 123.3 | 1/9 | -20.630 | 0.86 | 4.1 | 3.4 | -2.2 | 26.6 |
| 100 | 123.7 | 1/9 | -20.630 | 0.86 | 4.1 | 3.4 | -2.2 | 26.6 |
| 100 | 124.1 | 1/9 | -20.630 | 0.86 | 4.1 | 3.3 | -2.2 | 26.7 |
| 100 | 124.5 | 1/9 | -20.724 | 0.85 | 4.1 | 3.3 | -2.3 | 26.7 |
| 100 | 124.8 | 1/9 | -20.724 | 0.85 | 4.1 | 3.3 | -2.3 | 26.7 |
| 100 | 125.2 | 1/9 | -20.819 | 0.83 | 4 | 3.2 | -2.3 | 26.8 |
| 100 | 125.6 | 1/9 | -20.819 | 0.83 | 4 | 3.2 | -2.3 | 26.8 |
| 100 | 126 | 1/9 | -20.915 | 0.81 | 4 | 3.2 | -2.3 | 26.8 |
| 100 | 126.3 | 1/9 | -21.012 | 0.79 | 3.9 | 3.1 | -2.3 | 26.9 |
| 100 | 126.7 | 1/9 | -21.110 | 0.77 | 3.9 | 3.1 | -2.3 | 26.9 |
| 100 | 127.1 | 1/9 | -21.210 | 0.76 | 3.8 | 3 | -2.2 | 27 |
| 100 | 127.5 | 1/9 | -21.310 | 0.74 | 3.8 | 3 | -2.3 | 27 |
| 100 | 127.8 | 1/9 | -21.514 | 0.71 | 3.7 | 2.9 | -2.2 | 27.1 |
| 100 | 128.2 | 1/9 | -21.618 | 0.69 | 3.7 | 2.9 | -2.2 | 27.1 |
| 100 | 128.6 | 0.081 | -21.830 | 0.66 | 3.6 | 2.8 | -2.2 | 27.2 |
| 100 | 129 | 0.08 | -21.938 | 0.64 | 3.5 | 2.7 | -2.1 | 27.3 |
| 100 | 129.3 | 0.078 | -22.158 | 0.61 | 3.4 | 2.6 | -2.1 | 27.4 |
| 100 | 129.7 | 0.076 | -22.384 | 0.58 | 3.4 | 2.6 | -2.1 | 27.4 |
| 100 | 130.1 | 0.074 | -22.615 | 0.55 | 3.3 | 2.5 | -2.1 | 27.5 |
| 100 | 130.5 | 0.072 | -22.853 | 0.52 | 3.2 | 2.4 | -2 | 27.6 |
| 100 | 130.8 | 0.07 | -23.098 | 0.49 | 3.1 | 2.3 | -2 | 27.7 |
| 100 | 131.2 | 0.068 | -23.350 | 0.46 | 3 | 2.2 | -1.9 | 27.8 |
| 100 | 131.6 | 0.065 | -23.742 | 0.42 | 2.9 | 2.1 | -1.9 | 27.9 |
| 100 | 132 | 0.062 | -24.152 | 0.38 | 2.7 | 2 | -1.8 | 28 |
| 100 | 132.4 | 0.06 | -24.437 | 0.36 | 2.6 | 1.9 | -1.7 | 28.1 |
| 100 | 132.7 | 0.057 | -24.883 | 0.32 | 2.5 | 1.8 | -1.6 | 28.2 |
| 100 | 133.1 | 0.054 | -25.352 | 0.29 | 2.4 | 1.7 | -1.6 | 28.3 |
| 100 | 133.5 | 0.051 | -25.849 | 0.26 | 2.2 | 1.5 | -1.5 | 28.5 |
| 100 | 133.9 | 0.048 | -26.375 | 0.23 | 2.1 | 1.5 | -1.4 | 28.5 |

