

KOUV-LP VANCOUVER WASHINGTON
FACILITY ID 196567
MODIFICATION OF CONSTRUCTION PERMIT

Channel change is being requested. Otherwise, parameters are the same as current construction permit File ID 0000159146.

| | |
|--------------------|--|
| Channel | 220 |
| New Location: | 45° 39' 22.6" N, 122° 23' 08.0"W -- NAD 83 |
| Relocation: | Channel Change |
| Antenna AGL | 35.3 m |
| Antenna Ground | 236 m |
| Antenna COR | 271.3 m |
| Total Tower Height | 37 m AMSL |
| HAAT | 30 m (see calculation from FCC.GOV below) |
| Power | 100 w |
| ASR | N/A |

HAAT

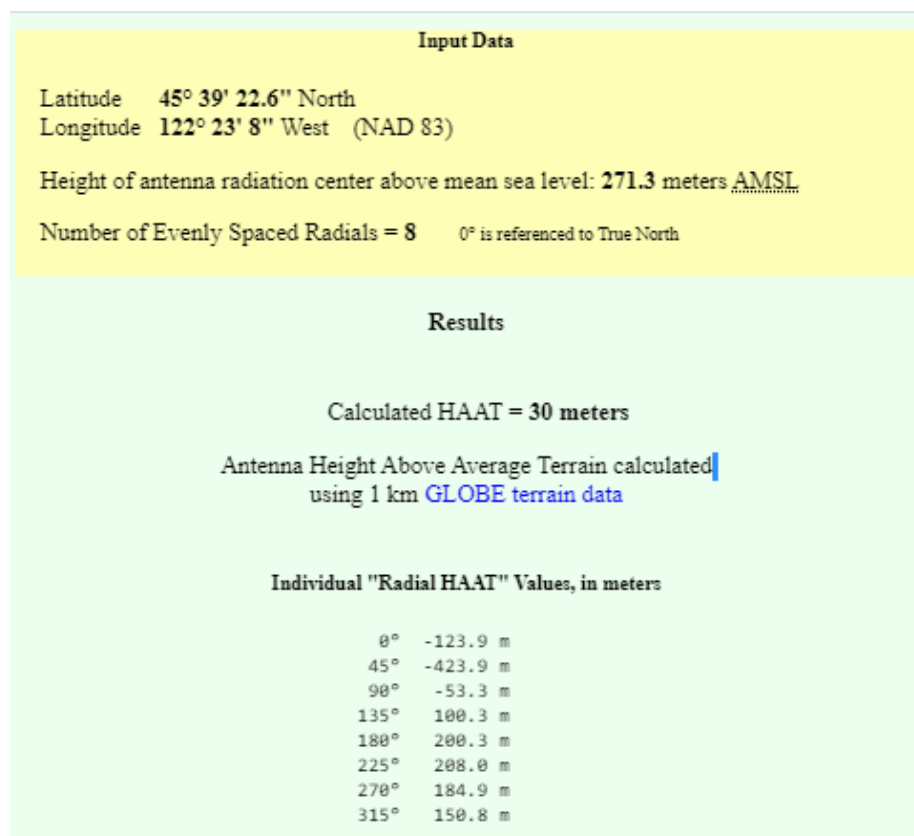


Figure 1: HAAT Calculation

SPACING

| Recording Nw | | | | | | | | |
|--|---------|----------|--------------|------------------------------|-------|-----------------|--------|-------|
| REFERENCE | | | | DISPLAY DATES | | | | |
| 45 39 22.60 N. | | | | CLASS = L1 | | DATA 05-27-22 | | |
| 122 23 08.00 W. | | | | Current Spacings to 2nd Adj. | | SEARCH 06-15-22 | | |
| ----- Channel 220 - 91.9 MHz ----- | | | | | | | | |
| Call | Channel | Location | | Azi | Dist | FCC | Margin | |
| *KGON | LIC | 222C | Portland | OR | 232.4 | 30.53 | 92.5 | -62.0 |
| *KOPB-FM | LIC | 218C0 | Portland | OR | 242.2 | 31.89 | 83.5 | -51.6 |
| K220IN | LIC | 220D | Portland | OR | 242.2 | 31.89 | 31.5 | 0.39 |
| KPWC-LD | LI | 06 -- | Tillamook | OR | 218.4 | 96.03 | 89.0 | 7.0 |
| K220HR | LIC-D | 220D | Hood River | OR | 81.1 | 63.47 | 31.5 | 32.0 |
| KWSO | LIC | 220C2 | Warm Springs | OR | 134.8 | 128.13 | 90.5 | 37.6 |
| KMUN | LIC | 220C2 | Astoria | OR | 300.7 | 134.50 | 90.5 | 44.0 |
| KDNA | LIC | 220C1 | Yakima | WA | 55.4 | 173.88 | 110.5 | 63.4 |
| KSQI-LP | CP | 220L1 | Salem | OR | 217.5 | 93.83 | 23.5 | 70.3 |
| ----- | | | | | | | | |
| Reference station has protected zone issue: Canada | | | | | | | | |
| All separation margins include rounding | | | | | | | | |
| * See Second Adj Waiver | | | | | | | | |

Figure 2: Channel Spacing

REQUEST FOR REPLACEMENT CHANNEL

KOUV-LP is currently licensed to broadcast on 107.9 FM. This channel receives excessive co-channel interference from KHPE (FM). For this reason, it requests channel change to 91.9 FM.

§73.870(a)(1) permits LPFM channel change "upon a technical showing of reduced interference, to any frequency".

Figure 3 shows the current channel: Co-channel KHPE (FM) imparts a 50.9 dBu FCC interference at the current KOUV-LP site.

Figure 4 shows the proposed channel: Co-channel K220IN (FM) imparts 45.8 dBu FCC interference at the proposed KOUV-LP site.

Thus, there is total reduced interference on the proposed channel 91.9 FM, warranting a channel change per §73.870(a)(1).

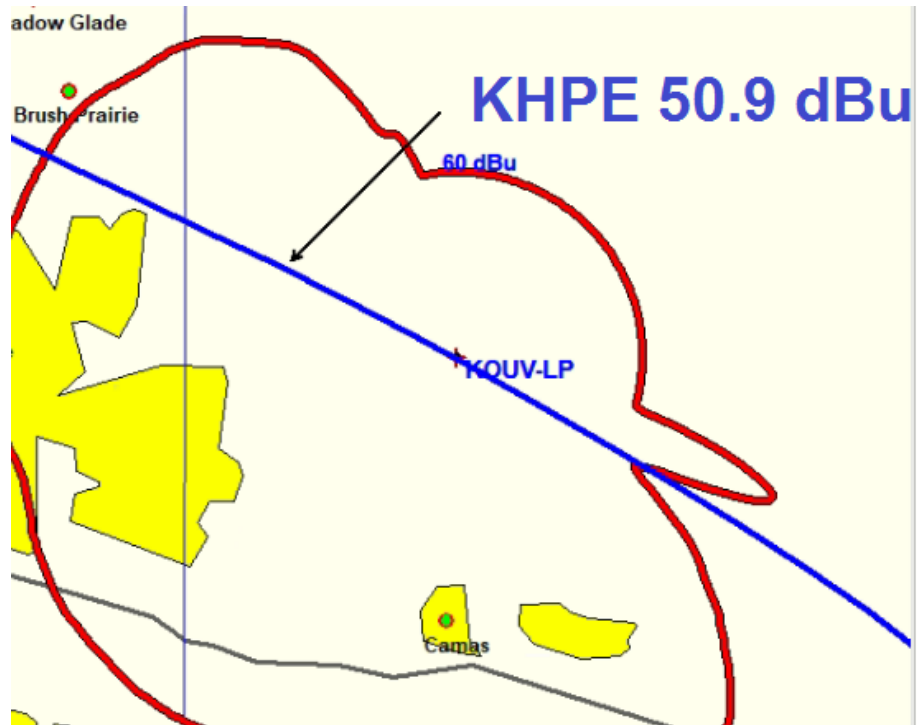


Figure 3: Current Channel

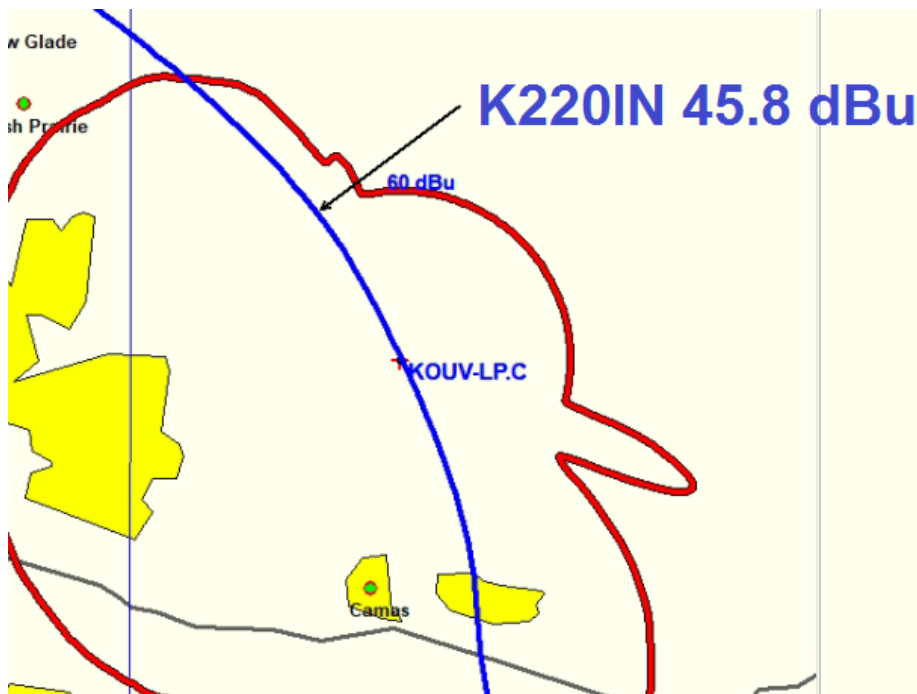


Figure 4: Proposed Channel

TOWAIR

| DETERMINATION Results | |
|--|------------------|
| Structure does not require registration. The structure meets the 6.10-meter (20-foot) Rule criteria. | |
| Your Specifications | |
| NAD83 Coordinates | |
| Latitude | 45-39-22.6 north |
| Longitude | 122-23-08.0 west |
| Measurements (Meters) | |
| Overall Structure Height (AGL) | 37 |
| Support Structure Height (AGL) | 37 |
| Site Elevation (AMSL) | 236 |
| 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 KOPB-FM and KGON have signal strengths of 83.1 dBu and 83.3 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 123.1 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 = 123.1 dBu D = 49.3 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 123.1 dBu contour at various depression angles is tabulated below. The data shows that the lowest point at which the signal strength rises to 123.1 dBu is 10 meters below the center of radiation of the antenna system, or 25.3 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 123.1 dBu F(50,10) interfering contour is 25.3 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 123.1 dBu CONTOU R | VERTICA L DISTANC E (below antenna) | HORIZONTAL DISTANCE TO 123.1 dBu CONTOUR | CLEARANCE OF CONTOUR ABOVE GROUND |
|---------|---|-------------------|-------------------------|--------|---|---|---|---|
| 100 | 0 | 1.001 | 0.009 | 100.20 | 49.1 | 0 | 49.1 | 35.3 |
| 100 | 0.4 | 1 | 0.000 | 100.00 | 49 | 0.3 | 48.9 | 35 |
| 100 | 0.8 | 0.999 | -0.009 | 99.80 | 49 | 0.6 | 48.9 | 34.7 |
| 100 | 1.1 | 0.998 | -0.017 | 99.60 | 48.9 | 0.9 | 48.8 | 34.4 |
| 100 | 1.5 | 0.997 | -0.026 | 99.40 | 48.9 | 1.2 | 48.8 | 34.1 |
| 100 | 1.9 | 0.995 | -0.044 | 99.00 | 48.8 | 1.6 | 48.7 | 33.7 |
| 100 | 2.3 | 0.993 | -0.061 | 98.60 | 48.7 | 1.9 | 48.6 | 33.4 |
| 100 | 2.6 | 0.991 | -0.079 | 98.21 | 48.6 | 2.2 | 48.5 | 33.1 |
| 100 | 3 | 0.988 | -0.105 | 97.61 | 48.4 | 2.5 | 48.3 | 32.8 |
| 100 | 3.4 | 0.986 | -0.122 | 97.22 | 48.3 | 2.8 | 48.2 | 32.5 |
| 100 | 3.8 | 0.983 | -0.149 | 96.63 | 48.2 | 3.1 | 48 | 32.2 |
| 100 | 4.1 | 0.979 | -0.184 | 95.84 | 48 | 3.4 | 47.8 | 31.9 |
| 100 | 4.5 | 0.976 | -0.211 | 95.26 | 47.8 | 3.7 | 47.6 | 31.6 |
| 100 | 4.9 | 0.972 | -0.247 | 94.48 | 47.6 | 4 | 47.4 | 31.3 |
| 100 | 5.3 | 0.967 | -0.291 | 93.51 | 47.4 | 4.3 | 47.1 | 31 |
| 100 | 5.6 | 0.962 | -0.336 | 92.54 | 47.1 | 4.5 | 46.8 | 30.8 |
| 100 | 6 | 0.957 | -0.382 | 91.58 | 46.9 | 4.8 | 46.6 | 30.5 |
| 100 | 6.4 | 0.951 | -0.436 | 90.44 | 46.6 | 5.1 | 46.3 | 30.2 |
| 100 | 6.8 | 0.945 | -0.491 | 89.30 | 46.3 | 5.4 | 45.9 | 29.9 |
| 100 | 7.1 | 0.939 | -0.547 | 88.17 | 46 | 5.6 | 45.6 | 29.7 |
| 100 | 7.5 | 0.933 | -0.602 | 87.05 | 45.7 | 5.9 | 45.3 | 29.4 |
| 100 | 7.9 | 0.926 | -0.668 | 85.75 | 45.4 | 6.2 | 44.9 | 29.1 |
| 100 | 8.3 | 0.919 | -0.734 | 84.46 | 45 | 6.4 | 44.5 | 28.9 |
| 100 | 8.6 | 0.912 | -0.800 | 83.17 | 44.7 | 6.6 | 44.1 | 28.7 |
| 100 | 9 | 0.905 | -0.867 | 81.90 | 44.3 | 6.9 | 43.7 | 28.4 |
| 100 | 9.4 | 0.897 | -0.944 | 80.46 | 44 | 7.1 | 43.4 | 28.2 |
| 100 | 9.8 | 0.889 | -1.022 | 79.03 | 43.6 | 7.4 | 42.9 | 27.9 |
| 100 | 10.2 | 0.881 | -1.100 | 77.62 | 43.2 | 7.6 | 42.5 | 27.7 |
| 100 | 10.5 | 0.872 | -1.190 | 76.04 | 42.7 | 7.7 | 41.9 | 27.6 |

| | | | | | | | | |
|-----|------|-------|--------|-------|------|-----|------|------|
| 100 | 10.9 | 0.863 | -1.280 | 74.48 | 42.3 | 7.9 | 41.5 | 27.4 |
| 100 | 11.3 | 0.854 | -1.371 | 72.93 | 41.8 | 8.1 | 40.9 | 27.2 |
| 100 | 11.7 | 0.845 | -1.463 | 71.40 | 41.4 | 8.3 | 40.5 | 27 |
| 100 | 12 | 0.835 | -1.566 | 69.72 | 40.9 | 8.4 | 40 | 26.9 |
| 100 | 12.4 | 0.826 | -1.660 | 68.23 | 40.5 | 8.6 | 39.5 | 26.7 |
| 100 | 12.8 | 0.816 | -1.766 | 66.59 | 40 | 8.8 | 39 | 26.5 |
| 100 | 13.2 | 0.806 | -1.873 | 64.96 | 39.5 | 9 | 38.4 | 26.3 |
| 100 | 13.5 | 0.796 | -1.982 | 63.36 | 39 | 9 | 37.9 | 26.3 |
| 100 | 13.9 | 0.785 | -2.103 | 61.62 | 38.5 | 9.2 | 37.3 | 26.1 |
| 100 | 14.3 | 0.775 | -2.214 | 60.06 | 38 | 9.3 | 36.8 | 26 |
| 100 | 14.7 | 0.764 | -2.338 | 58.37 | 37.4 | 9.4 | 36.1 | 25.9 |
| 100 | 15 | 0.754 | -2.453 | 56.85 | 36.9 | 9.5 | 35.6 | 25.8 |
| 100 | 15.4 | 0.742 | -2.592 | 55.06 | 36.4 | 9.6 | 35 | 25.7 |
| 100 | 15.8 | 0.731 | -2.722 | 53.44 | 35.8 | 9.7 | 34.4 | 25.6 |
| 100 | 16.2 | 0.719 | -2.865 | 51.70 | 35.2 | 9.8 | 33.8 | 25.5 |
| 100 | 16.5 | 0.707 | -3.012 | 49.98 | 34.6 | 9.8 | 33.1 | 25.5 |
| 100 | 16.9 | 0.696 | -3.148 | 48.44 | 34.1 | 9.9 | 32.6 | 25.4 |
| 100 | 17.3 | 0.684 | -3.299 | 46.79 | 33.5 | 9.9 | 31.9 | 25.4 |
| 100 | 17.7 | 0.672 | -3.453 | 45.16 | 32.9 | 9.9 | 31.3 | 25.4 |
| 100 | 18 | 0.66 | -3.609 | 43.56 | 32.3 | 9.9 | 30.7 | 25.4 |
| 100 | 18.4 | 0.648 | -3.768 | 41.99 | 31.7 | 10 | 30 | 25.3 |
| 100 | 18.8 | 0.636 | -3.931 | 40.45 | 31.2 | 10 | 29.5 | 25.3 |
| 100 | 19.2 | 0.624 | -4.096 | 38.94 | 30.6 | 10 | 28.8 | 25.3 |
| 100 | 19.6 | 0.612 | -4.265 | 37.45 | 30 | 10 | 28.2 | 25.3 |
| 100 | 19.9 | 0.599 | -4.451 | 35.88 | 29.3 | 9.9 | 27.5 | 25.4 |
| 100 | 20.3 | 0.587 | -4.627 | 34.46 | 28.7 | 9.9 | 26.9 | 25.4 |
| 100 | 20.7 | 0.574 | -4.822 | 32.95 | 28.1 | 9.9 | 26.2 | 25.4 |
| 100 | 21.1 | 0.562 | -5.005 | 31.58 | 27.5 | 9.8 | 25.6 | 25.5 |
| 100 | 21.4 | 0.549 | -5.209 | 30.14 | 26.9 | 9.8 | 25 | 25.5 |
| 100 | 21.8 | 0.536 | -5.417 | 28.73 | 26.2 | 9.7 | 24.3 | 25.6 |
| 100 | 22.2 | 0.524 | -5.613 | 27.46 | 25.7 | 9.7 | 23.7 | 25.6 |
| 100 | 22.6 | 0.511 | -5.832 | 26.11 | 25 | 9.6 | 23 | 25.7 |
| 100 | 22.9 | 0.499 | -6.038 | 24.90 | 24.4 | 9.4 | 22.4 | 25.9 |
| 100 | 23.3 | 0.486 | -6.267 | 23.62 | 23.8 | 9.4 | 21.8 | 25.9 |
| 100 | 23.7 | 0.474 | -6.484 | 22.47 | 23.2 | 9.3 | 21.2 | 26 |
| 100 | 24.1 | 0.461 | -6.726 | 21.25 | 22.6 | 9.2 | 20.6 | 26.1 |
| 100 | 24.4 | 0.449 | -6.955 | 20.16 | 22 | 9 | 20 | 26.3 |
| 100 | 24.8 | 0.436 | -7.210 | 19.01 | 21.3 | 8.9 | 19.3 | 26.4 |
| 100 | 25.2 | 0.424 | -7.453 | 17.98 | 20.8 | 8.8 | 18.8 | 26.5 |
| 100 | 25.6 | 0.412 | -7.702 | 16.97 | 20.2 | 8.7 | 18.2 | 26.6 |
| 100 | 25.9 | 0.399 | -7.981 | 15.92 | 19.5 | 8.5 | 17.5 | 26.8 |
| 100 | 26.3 | 0.387 | -8.246 | 14.98 | 18.9 | 8.3 | 16.9 | 27 |
| 100 | 26.7 | 0.375 | -8.519 | 14.06 | 18.3 | 8.2 | 16.3 | 27.1 |
| 100 | 27.1 | 0.363 | -8.802 | 13.18 | 17.8 | 8.1 | 15.8 | 27.2 |
| 100 | 27.4 | 0.351 | -9.094 | 12.32 | 17.2 | 7.9 | 15.2 | 27.4 |
| 100 | 27.8 | 0.339 | -9.396 | 11.49 | 16.6 | 7.7 | 14.6 | 27.6 |

| | | | | | | | | |
|-----|------|-------|---------|-------|------|-----|------|------|
| 100 | 28.2 | 0.327 | -9.709 | 10.69 | 16 | 7.5 | 14.1 | 27.8 |
| 100 | 28.6 | 0.316 | -10.006 | 9.99 | 15.5 | 7.4 | 13.6 | 27.9 |
| 100 | 29 | 0.304 | -10.343 | 9.24 | 14.9 | 7.2 | 13 | 28.1 |
| 100 | 29.3 | 0.293 | -10.663 | 8.58 | 14.3 | 6.9 | 12.4 | 28.4 |
| 100 | 29.7 | 0.282 | -10.995 | 7.95 | 13.8 | 6.8 | 11.9 | 28.5 |
| 100 | 30.1 | 0.271 | -11.341 | 7.34 | 13.2 | 6.6 | 11.4 | 28.7 |
| 100 | 30.5 | 0.259 | -11.734 | 6.71 | 12.7 | 6.4 | 10.9 | 28.9 |
| 100 | 30.8 | 0.248 | -12.111 | 6.15 | 12.1 | 6.1 | 10.3 | 29.2 |
| 100 | 31.2 | 0.237 | -12.505 | 5.62 | 11.6 | 6 | 9.9 | 29.3 |
| 100 | 31.6 | 0.227 | -12.879 | 5.15 | 11.1 | 5.8 | 9.4 | 29.5 |
| 100 | 32 | 0.216 | -13.311 | 4.67 | 10.5 | 5.5 | 8.9 | 29.8 |
| 100 | 32.3 | 0.206 | -13.723 | 4.24 | 10.1 | 5.3 | 8.5 | 30 |
| 100 | 32.7 | 0.195 | -14.199 | 3.80 | 9.5 | 5.1 | 7.9 | 30.2 |
| 100 | 33.1 | 0.185 | -14.657 | 3.42 | 9 | 4.9 | 7.5 | 30.4 |
| 100 | 33.5 | 0.175 | -15.139 | 3.06 | 8.5 | 4.6 | 7 | 30.7 |
| 100 | 33.8 | 0.166 | -15.598 | 2.76 | 8.1 | 4.5 | 6.7 | 30.8 |
| 100 | 34.2 | 0.156 | -16.138 | 2.43 | 7.6 | 4.2 | 6.2 | 31.1 |
| 100 | 34.6 | 0.147 | -16.654 | 2.16 | 7.2 | 4 | 5.9 | 31.3 |
| 100 | 35 | 0.137 | -17.266 | 1.88 | 6.7 | 3.8 | 5.4 | 31.5 |
| 100 | 35.3 | 0.128 | -17.856 | 1.64 | 6.2 | 3.5 | 5 | 31.8 |
| 100 | 35.7 | 0.119 | -18.489 | 1.42 | 5.8 | 3.3 | 4.7 | 32 |
| 100 | 36.1 | 0.111 | -19.094 | 1.23 | 5.4 | 3.1 | 4.3 | 32.2 |
| 100 | 36.5 | 0.102 | -19.828 | 1.04 | 5 | 2.9 | 4 | 32.4 |
| 100 | 36.8 | 0.094 | -20.537 | 0.88 | 4.6 | 2.7 | 3.6 | 32.6 |
| 100 | 37.2 | 0.085 | -21.412 | 0.72 | 4.1 | 2.4 | 3.2 | 32.9 |
| 100 | 37.6 | 0.077 | -22.270 | 0.59 | 3.7 | 2.2 | 2.9 | 33.1 |
| 100 | 38 | 0.07 | -23.098 | 0.49 | 3.4 | 2 | 2.6 | 33.3 |
| 100 | 38.4 | 0.062 | -24.152 | 0.38 | 3 | 1.8 | 2.3 | 33.5 |
| 100 | 38.7 | 0.055 | -25.193 | 0.30 | 2.6 | 1.6 | 2 | 33.7 |
| 100 | 39.1 | 0.047 | -26.558 | 0.22 | 2.3 | 1.4 | 1.7 | 33.9 |
| 100 | 39.5 | 0.04 | -27.959 | 0.16 | 1.9 | 1.2 | 1.4 | 34.1 |
| 100 | 39.9 | 0.033 | -29.630 | 0.11 | 1.6 | 1 | 1.2 | 34.3 |
| 100 | 40.2 | 0.026 | -31.701 | 0.07 | 1.2 | 0.7 | 0.9 | 34.6 |
| 100 | 40.6 | 0.02 | -33.979 | 0.04 | 0.9 | 0.5 | 0.6 | 34.8 |
| 100 | 41 | 0.013 | -37.721 | 0.02 | 0.6 | 0.3 | 0.4 | 35 |
| 100 | 41.4 | 0.007 | -43.098 | 0.00 | 0.3 | 0.1 | 0.2 | 35.2 |
| 100 | 41.7 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 35.3 |
| 100 | 42.1 | 0.005 | -46.021 | 0.00 | 0.2 | 0.1 | 0.1 | 35.2 |
| 100 | 42.5 | 0.01 | -40.000 | 0.01 | 0.4 | 0.2 | 0.2 | 35.1 |
| 100 | 42.9 | 0.016 | -35.918 | 0.03 | 0.7 | 0.4 | 0.5 | 34.9 |
| 100 | 43.2 | 0.021 | -33.556 | 0.04 | 1 | 0.6 | 0.7 | 34.7 |
| 100 | 43.6 | 0.026 | -31.701 | 0.07 | 1.2 | 0.8 | 0.8 | 34.5 |
| 100 | 44 | 0.031 | -30.173 | 0.10 | 1.5 | 1 | 1 | 34.3 |
| 100 | 44.4 | 0.036 | -28.874 | 0.13 | 1.7 | 1.1 | 1.2 | 34.2 |
| 100 | 44.7 | 0.04 | -27.959 | 0.16 | 1.9 | 1.3 | 1.3 | 34 |
| 100 | 45.1 | 0.045 | -26.936 | 0.20 | 2.2 | 1.5 | 1.5 | 33.8 |

| | | | | | | | | |
|-----|------|-------|---------|------|-----|-----|-----|------|
| 100 | 45.5 | 0.049 | -26.196 | 0.24 | 2.4 | 1.7 | 1.6 | 33.6 |
| 100 | 45.9 | 0.053 | -25.514 | 0.28 | 2.6 | 1.8 | 1.8 | 33.5 |
| 100 | 46.2 | 0.057 | -24.883 | 0.32 | 2.7 | 1.9 | 1.8 | 33.4 |
| 100 | 46.6 | 0.061 | -24.293 | 0.37 | 2.9 | 2.1 | 1.9 | 33.2 |
| 100 | 47 | 0.064 | -23.876 | 0.41 | 3.1 | 2.2 | 2.1 | 33.1 |
| 100 | 47.4 | 0.068 | -23.350 | 0.46 | 3.3 | 2.4 | 2.2 | 32.9 |
| 100 | 47.8 | 0.071 | -22.975 | 0.50 | 3.4 | 2.5 | 2.2 | 32.8 |
| 100 | 48.1 | 0.074 | -22.615 | 0.55 | 3.6 | 2.6 | 2.4 | 32.7 |
| 100 | 48.5 | 0.077 | -22.270 | 0.59 | 3.7 | 2.7 | 2.4 | 32.6 |
| 100 | 48.9 | 0.079 | -22.047 | 0.62 | 3.8 | 2.8 | 2.4 | 32.5 |
| 100 | 49.3 | 0.082 | -21.724 | 0.67 | 4 | 3 | 2.6 | 32.3 |
| 100 | 49.6 | 0.085 | -21.412 | 0.72 | 4.1 | 3.1 | 2.6 | 32.2 |
| 100 | 50 | 0.087 | -21.210 | 0.76 | 4.2 | 3.2 | 2.7 | 32.1 |
| 100 | 50.4 | 0.089 | -21.012 | 0.79 | 4.3 | 3.3 | 2.7 | 32 |
| 100 | 50.8 | 0.091 | -20.819 | 0.83 | 4.4 | 3.4 | 2.7 | 31.9 |
| 100 | 51.1 | 0.093 | -20.630 | 0.86 | 4.5 | 3.5 | 2.8 | 31.8 |
| 100 | 51.5 | 0.095 | -20.446 | 0.90 | 4.6 | 3.5 | 2.8 | 31.8 |
| 100 | 51.9 | 0.096 | -20.355 | 0.92 | 4.7 | 3.6 | 2.9 | 31.7 |
| 100 | 52.3 | 0.098 | -20.175 | 0.96 | 4.8 | 3.7 | 2.9 | 31.6 |
| 100 | 52.6 | 0.099 | -20.087 | 0.98 | 4.8 | 3.8 | 2.9 | 31.5 |
| 100 | 53 | 0.1 | -20.000 | 1.00 | 4.9 | 3.9 | 2.9 | 31.4 |
| 100 | 53.4 | 0.101 | -19.914 | 1.02 | 4.9 | 3.9 | 2.9 | 31.4 |
| 100 | 53.8 | 0.102 | -19.828 | 1.04 | 5 | 4 | 2.9 | 31.3 |
| 100 | 54.1 | 0.103 | -19.743 | 1.06 | 5 | 4 | 2.9 | 31.3 |
| 100 | 54.5 | 0.104 | -19.659 | 1.08 | 5.1 | 4.1 | 2.9 | 31.2 |
| 100 | 54.9 | 0.105 | -19.576 | 1.10 | 5.1 | 4.1 | 2.9 | 31.2 |
| 100 | 55.3 | 0.105 | -19.576 | 1.10 | 5.1 | 4.1 | 2.9 | 31.2 |
| 100 | 55.6 | 0.106 | -19.494 | 1.12 | 5.2 | 4.2 | 2.9 | 31.1 |
| 100 | 56 | 0.106 | -19.494 | 1.12 | 5.2 | 4.3 | 2.9 | 31 |
| 100 | 56.4 | 0.106 | -19.494 | 1.12 | 5.2 | 4.3 | 2.8 | 31 |
| 100 | 56.8 | 0.107 | -19.412 | 1.14 | 5.2 | 4.3 | 2.8 | 31 |
| 100 | 57.2 | 0.107 | -19.412 | 1.14 | 5.2 | 4.3 | 2.8 | 31 |
| 100 | 57.5 | 0.107 | -19.412 | 1.14 | 5.2 | 4.3 | 2.7 | 31 |
| 100 | 57.9 | 0.106 | -19.494 | 1.12 | 5.2 | 4.4 | 2.7 | 30.9 |
| 100 | 58.3 | 0.106 | -19.494 | 1.12 | 5.2 | 4.4 | 2.7 | 30.9 |
| 100 | 58.7 | 0.106 | -19.494 | 1.12 | 5.2 | 4.4 | 2.7 | 30.9 |
| 100 | 59 | 0.106 | -19.494 | 1.12 | 5.2 | 4.4 | 2.6 | 30.9 |
| 100 | 59.4 | 0.105 | -19.576 | 1.10 | 5.1 | 4.3 | 2.5 | 31 |
| 100 | 59.8 | 0.105 | -19.576 | 1.10 | 5.1 | 4.4 | 2.5 | 30.9 |
| 100 | 60.2 | 0.104 | -19.659 | 1.08 | 5.1 | 4.4 | 2.5 | 30.9 |
| 100 | 60.5 | 0.103 | -19.743 | 1.06 | 5 | 4.3 | 2.4 | 31 |
| 100 | 60.9 | 0.103 | -19.743 | 1.06 | 5 | 4.3 | 2.4 | 31 |
| 100 | 61.3 | 0.102 | -19.828 | 1.04 | 5 | 4.3 | 2.4 | 31 |
| 100 | 61.7 | 0.101 | -19.914 | 1.02 | 4.9 | 4.3 | 2.3 | 31 |
| 100 | 62 | 0.1 | -20.000 | 1.00 | 4.9 | 4.3 | 2.3 | 31 |
| 100 | 62.4 | 0.099 | -20.087 | 0.98 | 4.8 | 4.2 | 2.2 | 31.1 |

| | | | | | | | | |
|-----|------|-------|---------|------|-----|-----|-----|------|
| 100 | 62.8 | 0.098 | -20.175 | 0.96 | 4.8 | 4.2 | 2.1 | 31.1 |
| 100 | 63.2 | 0.097 | -20.265 | 0.94 | 4.7 | 4.1 | 2.1 | 31.2 |
| 100 | 63.5 | 0.096 | -20.355 | 0.92 | 4.7 | 4.2 | 2 | 31.1 |
| 100 | 63.9 | 0.095 | -20.446 | 0.90 | 4.6 | 4.1 | 2 | 31.2 |
| 100 | 64.3 | 0.094 | -20.537 | 0.88 | 4.6 | 4.1 | 1.9 | 31.2 |
| 100 | 64.7 | 0.092 | -20.724 | 0.85 | 4.5 | 4 | 1.9 | 31.3 |
| 100 | 65 | 0.091 | -20.819 | 0.83 | 4.4 | 3.9 | 1.8 | 31.4 |
| 100 | 65.4 | 0.09 | -20.915 | 0.81 | 4.4 | 3.9 | 1.8 | 31.4 |
| 100 | 65.8 | 0.088 | -21.110 | 0.77 | 4.3 | 3.9 | 1.7 | 31.4 |
| 100 | 66.2 | 0.087 | -21.210 | 0.76 | 4.2 | 3.8 | 1.6 | 31.5 |
| 100 | 66.6 | 0.086 | -21.310 | 0.74 | 4.2 | 3.8 | 1.6 | 31.5 |
| 100 | 66.9 | 0.084 | -21.514 | 0.71 | 4.1 | 3.7 | 1.6 | 31.6 |
| 100 | 67.3 | 0.083 | -21.618 | 0.69 | 4 | 3.6 | 1.5 | 31.7 |
| 100 | 67.7 | 0.081 | -21.830 | 0.66 | 3.9 | 3.6 | 1.4 | 31.7 |
| 100 | 68.1 | 0.08 | -21.938 | 0.64 | 3.9 | 3.6 | 1.4 | 31.7 |
| 100 | 68.4 | 0.078 | -22.158 | 0.61 | 3.8 | 3.5 | 1.4 | 31.8 |
| 100 | 68.8 | 0.077 | -22.270 | 0.59 | 3.7 | 3.4 | 1.3 | 31.9 |
| 100 | 69.2 | 0.075 | -22.499 | 0.56 | 3.6 | 3.3 | 1.2 | 32 |
| 100 | 69.6 | 0.074 | -22.615 | 0.55 | 3.6 | 3.3 | 1.2 | 32 |
| 100 | 69.9 | 0.072 | -22.853 | 0.52 | 3.5 | 3.2 | 1.2 | 32.1 |
| 100 | 70.3 | 0.07 | -23.098 | 0.49 | 3.4 | 3.2 | 1.1 | 32.1 |
| 100 | 70.7 | 0.069 | -23.223 | 0.48 | 3.3 | 3.1 | 1 | 32.2 |
| 100 | 71.1 | 0.067 | -23.479 | 0.45 | 3.2 | 3 | 1 | 32.3 |
| 100 | 71.4 | 0.066 | -23.609 | 0.44 | 3.2 | 3 | 1 | 32.3 |
| 100 | 71.8 | 0.064 | -23.876 | 0.41 | 3.1 | 2.9 | 0.9 | 32.4 |
| 100 | 72.2 | 0.062 | -24.152 | 0.38 | 3 | 2.8 | 0.9 | 32.5 |
| 100 | 72.6 | 0.061 | -24.293 | 0.37 | 2.9 | 2.7 | 0.8 | 32.6 |
| 100 | 72.9 | 0.059 | -24.583 | 0.35 | 2.8 | 2.6 | 0.8 | 32.7 |
| 100 | 73.3 | 0.057 | -24.883 | 0.32 | 2.7 | 2.5 | 0.7 | 32.8 |
| 100 | 73.7 | 0.056 | -25.036 | 0.31 | 2.7 | 2.5 | 0.7 | 32.8 |
| 100 | 74.1 | 0.054 | -25.352 | 0.29 | 2.6 | 2.5 | 0.7 | 32.8 |
| 100 | 74.4 | 0.052 | -25.680 | 0.27 | 2.5 | 2.4 | 0.6 | 32.9 |
| 100 | 74.8 | 0.051 | -25.849 | 0.26 | 2.5 | 2.4 | 0.6 | 32.9 |
| 100 | 75.2 | 0.049 | -26.196 | 0.24 | 2.4 | 2.3 | 0.6 | 33 |
| 100 | 75.6 | 0.047 | -26.558 | 0.22 | 2.3 | 2.2 | 0.5 | 33.1 |
| 100 | 76 | 0.046 | -26.745 | 0.21 | 2.2 | 2.1 | 0.5 | 33.2 |
| 100 | 76.3 | 0.044 | -27.131 | 0.19 | 2.1 | 2 | 0.4 | 33.3 |
| 100 | 76.7 | 0.043 | -27.331 | 0.18 | 2.1 | 2 | 0.4 | 33.3 |
| 100 | 77.1 | 0.041 | -27.744 | 0.17 | 2 | 1.9 | 0.4 | 33.4 |
| 100 | 77.5 | 0.039 | -28.179 | 0.15 | 1.9 | 1.8 | 0.4 | 33.5 |
| 100 | 77.8 | 0.038 | -28.404 | 0.14 | 1.8 | 1.7 | 0.3 | 33.6 |
| 100 | 78.2 | 0.036 | -28.874 | 0.13 | 1.7 | 1.6 | 0.3 | 33.7 |
| 100 | 78.6 | 0.035 | -29.119 | 0.12 | 1.7 | 1.6 | 0.3 | 33.7 |
| 100 | 79 | 0.033 | -29.630 | 0.11 | 1.6 | 1.5 | 0.3 | 33.8 |
| 100 | 79.3 | 0.031 | -30.173 | 0.10 | 1.5 | 1.4 | 0.2 | 33.9 |
| 100 | 79.7 | 0.03 | -30.458 | 0.09 | 1.4 | 1.3 | 0.2 | 34 |

| | | | | | | | | |
|-----|------|--------|---------|------|-----|-----|-----|------|
| 100 | 80.1 | 0.028 | -31.057 | 0.08 | 1.3 | 1.2 | 0.2 | 34.1 |
| 100 | 80.5 | 0.027 | -31.373 | 0.07 | 1.3 | 1.2 | 0.2 | 34.1 |
| 100 | 80.8 | 0.026 | -31.701 | 0.07 | 1.2 | 1.1 | 0.1 | 34.2 |
| 100 | 81.2 | 0.024 | -32.396 | 0.06 | 1.1 | 1 | 0.1 | 34.3 |
| 100 | 81.6 | 0.023 | -32.765 | 0.05 | 1.1 | 1 | 0.1 | 34.3 |
| 100 | 82 | 0.022 | -33.152 | 0.05 | 1 | 0.9 | 0.1 | 34.4 |
| 100 | 82.3 | 0.02 | -33.979 | 0.04 | 0.9 | 0.8 | 0.1 | 34.5 |
| 100 | 82.7 | 0.019 | -34.425 | 0.04 | 0.9 | 0.8 | 0.1 | 34.5 |
| 100 | 83.1 | 0.018 | -34.895 | 0.03 | 0.8 | 0.7 | 0 | 34.6 |
| 100 | 83.5 | 0.016 | -35.918 | 0.03 | 0.7 | 0.6 | 0 | 34.7 |
| 100 | 83.8 | 0.015 | -36.478 | 0.02 | 0.7 | 0.6 | 0 | 34.7 |
| 100 | 84.2 | 0.014 | -37.077 | 0.02 | 0.6 | 0.5 | 0 | 34.8 |
| 100 | 84.6 | 0.012 | -38.416 | 0.01 | 0.5 | 0.4 | 0 | 34.9 |
| 100 | 85 | 0.011 | -39.172 | 0.01 | 0.5 | 0.4 | 0 | 34.9 |
| 100 | 85.4 | 0.01 | -40.000 | 0.01 | 0.4 | 0.3 | 0 | 35 |
| 100 | 85.7 | 0.009 | -40.915 | 0.01 | 0.4 | 0.3 | 0 | 35 |
| 100 | 86.1 | 0.009 | -40.915 | 0.01 | 0.4 | 0.3 | 0 | 35 |
| 100 | 86.5 | 0.008 | -41.938 | 0.01 | 0.3 | 0.2 | 0 | 35.1 |
| 100 | 86.9 | 0.007 | -43.098 | 0.00 | 0.3 | 0.2 | 0 | 35.1 |
| 100 | 87.2 | 0.006 | -44.437 | 0.00 | 0.2 | 0.1 | 0 | 35.2 |
| 100 | 87.6 | 0.005 | -46.021 | 0.00 | 0.2 | 0.1 | 0 | 35.2 |
| 100 | 88 | 0.004 | -47.959 | 0.00 | 0.1 | 0 | 0 | 35.3 |
| 100 | 88.4 | 0.004 | -47.959 | 0.00 | 0.1 | 0 | 0 | 35.3 |
| 100 | 88.7 | 0.003 | -50.458 | 0.00 | 0.1 | 0 | 0 | 35.3 |
| 100 | 89.1 | 0.002 | -53.979 | 0.00 | 0 | 0 | 0 | 35.3 |
| 100 | 89.5 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 35.3 |
| 100 | 89.9 | 0.0001 | -80.000 | 0.00 | 0 | 0 | 0 | 35.3 |
| 100 | 90.2 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 35.3 |
| 100 | 90.6 | 0.001 | -60.000 | 0.00 | 0 | 0 | 0 | 35.3 |
| 100 | 91 | 0.002 | -53.979 | 0.00 | 0 | 0 | 0 | 35.3 |
| 100 | 91.4 | 0.003 | -50.458 | 0.00 | 0.1 | 0 | 0 | 35.3 |
| 100 | 91.7 | 0.004 | -47.959 | 0.00 | 0.1 | 0 | 0 | 35.3 |
| 100 | 92.1 | 0.005 | -46.021 | 0.00 | 0.2 | 0.1 | 0 | 35.2 |
| 100 | 92.5 | 0.006 | -44.437 | 0.00 | 0.2 | 0.1 | 0 | 35.2 |
| 100 | 92.9 | 0.007 | -43.098 | 0.00 | 0.3 | 0.2 | 0 | 35.1 |
| 100 | 93.2 | 0.008 | -41.938 | 0.01 | 0.3 | 0.2 | 0 | 35.1 |
| 100 | 93.6 | 0.008 | -41.938 | 0.01 | 0.3 | 0.2 | 0 | 35.1 |
| 100 | 94 | 0.009 | -40.915 | 0.01 | 0.4 | 0.3 | 0 | 35 |
| 100 | 94.4 | 0.01 | -40.000 | 0.01 | 0.4 | 0.3 | 0 | 35 |
| 100 | 94.8 | 0.011 | -39.172 | 0.01 | 0.5 | 0.4 | 0 | 34.9 |
| 100 | 95.1 | 0.012 | -38.416 | 0.01 | 0.5 | 0.4 | 0 | 34.9 |
| 100 | 95.5 | 0.013 | -37.721 | 0.02 | 0.6 | 0.5 | 0 | 34.8 |
| 100 | 95.9 | 0.015 | -36.478 | 0.02 | 0.7 | 0.6 | 0 | 34.7 |
| 100 | 96.3 | 0.016 | -35.918 | 0.03 | 0.7 | 0.6 | 0 | 34.7 |
| 100 | 96.6 | 0.017 | -35.391 | 0.03 | 0.8 | 0.7 | 0 | 34.6 |
| 100 | 97 | 0.018 | -34.895 | 0.03 | 0.8 | 0.7 | 0 | 34.6 |

| | | | | | | | | |
|-----|-------|-------|---------|------|-----|-----|-----|------|
| 100 | 97.4 | 0.02 | -33.979 | 0.04 | 0.9 | 0.8 | 0.1 | 34.5 |
| 100 | 97.8 | 0.021 | -33.556 | 0.04 | 1 | 0.9 | 0.1 | 34.4 |
| 100 | 98.1 | 0.022 | -33.152 | 0.05 | 1 | 0.9 | 0.1 | 34.4 |
| 100 | 98.5 | 0.023 | -32.765 | 0.05 | 1.1 | 1 | 0.1 | 34.3 |
| 100 | 98.9 | 0.025 | -32.041 | 0.06 | 1.2 | 1.1 | 0.1 | 34.2 |
| 100 | 99.3 | 0.026 | -31.701 | 0.07 | 1.2 | 1.1 | 0.1 | 34.2 |
| 100 | 99.6 | 0.027 | -31.373 | 0.07 | 1.3 | 1.2 | 0.2 | 34.1 |
| 100 | 100 | 0.028 | -31.057 | 0.08 | 1.3 | 1.2 | 0.2 | 34.1 |
| 100 | 100.4 | 0.03 | -30.458 | 0.09 | 1.4 | 1.3 | 0.2 | 34 |
| 100 | 100.8 | 0.031 | -30.173 | 0.10 | 1.5 | 1.4 | 0.2 | 33.9 |
| 100 | 101.1 | 0.033 | -29.630 | 0.11 | 1.6 | 1.5 | 0.3 | 33.8 |
| 100 | 101.5 | 0.034 | -29.370 | 0.12 | 1.6 | 1.5 | 0.3 | 33.8 |
| 100 | 101.9 | 0.036 | -28.874 | 0.13 | 1.7 | 1.6 | 0.3 | 33.7 |
| 100 | 102.3 | 0.037 | -28.636 | 0.14 | 1.8 | 1.7 | 0.3 | 33.6 |
| 100 | 102.6 | 0.039 | -28.179 | 0.15 | 1.9 | 1.8 | 0.4 | 33.5 |
| 100 | 103 | 0.04 | -27.959 | 0.16 | 1.9 | 1.8 | 0.4 | 33.5 |
| 100 | 103.4 | 0.041 | -27.744 | 0.17 | 2 | 1.9 | 0.4 | 33.4 |
| 100 | 103.8 | 0.043 | -27.331 | 0.18 | 2.1 | 2 | 0.4 | 33.3 |
| 100 | 104.2 | 0.044 | -27.131 | 0.19 | 2.1 | 2 | 0.5 | 33.3 |
| 100 | 104.5 | 0.046 | -26.745 | 0.21 | 2.2 | 2.1 | 0.5 | 33.2 |
| 100 | 104.9 | 0.047 | -26.558 | 0.22 | 2.3 | 2.2 | 0.5 | 33.1 |
| 100 | 105.3 | 0.048 | -26.375 | 0.23 | 2.3 | 2.2 | 0.6 | 33.1 |
| 100 | 105.7 | 0.05 | -26.021 | 0.25 | 2.4 | 2.3 | 0.6 | 33 |
| 100 | 106 | 0.051 | -25.849 | 0.26 | 2.5 | 2.4 | 0.6 | 32.9 |
| 100 | 106.4 | 0.053 | -25.514 | 0.28 | 2.6 | 2.4 | 0.7 | 32.9 |
| 100 | 106.8 | 0.054 | -25.352 | 0.29 | 2.6 | 2.4 | 0.7 | 32.9 |
| 100 | 107.2 | 0.056 | -25.036 | 0.31 | 2.7 | 2.5 | 0.7 | 32.8 |
| 100 | 107.5 | 0.057 | -24.883 | 0.32 | 2.7 | 2.5 | 0.8 | 32.8 |
| 100 | 107.9 | 0.059 | -24.583 | 0.35 | 2.8 | 2.6 | 0.8 | 32.7 |
| 100 | 108.3 | 0.06 | -24.437 | 0.36 | 2.9 | 2.7 | 0.9 | 32.6 |
| 100 | 108.7 | 0.061 | -24.293 | 0.37 | 2.9 | 2.7 | 0.9 | 32.6 |
| 100 | 109 | 0.063 | -24.013 | 0.40 | 3 | 2.8 | 0.9 | 32.5 |
| 100 | 109.4 | 0.064 | -23.876 | 0.41 | 3.1 | 2.9 | 1 | 32.4 |
| 100 | 109.8 | 0.065 | -23.742 | 0.42 | 3.1 | 2.9 | 1 | 32.4 |
| 100 | 110.2 | 0.067 | -23.479 | 0.45 | 3.2 | 3 | 1.1 | 32.3 |
| 100 | 110.5 | 0.068 | -23.350 | 0.46 | 3.3 | 3 | 1.1 | 32.3 |
| 100 | 110.9 | 0.07 | -23.098 | 0.49 | 3.4 | 3.1 | 1.2 | 32.2 |
| 100 | 111.3 | 0.071 | -22.975 | 0.50 | 3.4 | 3.1 | 1.2 | 32.2 |
| 100 | 111.7 | 0.072 | -22.853 | 0.52 | 3.5 | 3.2 | 1.2 | 32.1 |
| 100 | 112 | 0.073 | -22.734 | 0.53 | 3.5 | 3.2 | 1.3 | 32.1 |
| 100 | 112.4 | 0.075 | -22.499 | 0.56 | 3.6 | 3.3 | 1.3 | 32 |
| 100 | 112.8 | 0.076 | -22.384 | 0.58 | 3.7 | 3.4 | 1.4 | 31.9 |
| 100 | 113.2 | 0.077 | -22.270 | 0.59 | 3.7 | 3.4 | 1.4 | 31.9 |
| 100 | 113.6 | 1/9 | -22.158 | 0.61 | 3.8 | 3.4 | 1.5 | 31.9 |
| 100 | 113.9 | 1/9 | -21.938 | 0.64 | 3.9 | 3.5 | 1.5 | 31.8 |
| 100 | 114.3 | 1/9 | -21.830 | 0.66 | 3.9 | 3.5 | 1.6 | 31.8 |

| | | | | | | | | |
|-----|-------|-------|---------|------|-----|-----|-----|------|
| 100 | 114.7 | 1/9 | -21.724 | 0.67 | 4 | 3.6 | 1.6 | 31.7 |
| 100 | 115.1 | 1/9 | -21.618 | 0.69 | 4 | 3.6 | 1.6 | 31.7 |
| 100 | 115.4 | 1/9 | -21.514 | 0.71 | 4.1 | 3.7 | 1.7 | 31.6 |
| 100 | 115.8 | 1/9 | -21.412 | 0.72 | 4.1 | 3.6 | 1.7 | 31.7 |
| 100 | 116.2 | 1/9 | -21.310 | 0.74 | 4.2 | 3.7 | 1.8 | 31.6 |
| 100 | 116.6 | 1/9 | -21.210 | 0.76 | 4.2 | 3.7 | 1.8 | 31.6 |
| 100 | 116.9 | 1/9 | -21.210 | 0.76 | 4.2 | 3.7 | 1.8 | 31.6 |
| 100 | 117.3 | 1/9 | -21.110 | 0.77 | 4.3 | 3.8 | 1.9 | 31.5 |
| 100 | 117.7 | 1/9 | -21.012 | 0.79 | 4.3 | 3.8 | 1.9 | 31.5 |
| 100 | 118.1 | 1/9 | -20.915 | 0.81 | 4.4 | 3.8 | 2 | 31.5 |
| 100 | 118.4 | 1/9 | -20.915 | 0.81 | 4.4 | 3.8 | 2 | 31.5 |
| 100 | 118.8 | 1/9 | -20.819 | 0.83 | 4.4 | 3.8 | 2.1 | 31.5 |
| 100 | 119.2 | 1/9 | -20.724 | 0.85 | 4.5 | 3.9 | 2.1 | 31.4 |
| 100 | 119.6 | 1/9 | -20.724 | 0.85 | 4.5 | 3.9 | 2.2 | 31.4 |
| 100 | 119.9 | 1/9 | -20.724 | 0.85 | 4.5 | 3.9 | 2.2 | 31.4 |
| 100 | 120.3 | 1/9 | -20.630 | 0.86 | 4.5 | 3.8 | 2.2 | 31.5 |
| 100 | 120.7 | 1/9 | -20.630 | 0.86 | 4.5 | 3.8 | 2.2 | 31.5 |
| 100 | 121.1 | 1/9 | -20.630 | 0.86 | 4.5 | 3.8 | 2.3 | 31.5 |
| 100 | 121.4 | 1/9 | -20.537 | 0.88 | 4.6 | 3.9 | 2.3 | 31.4 |
| 100 | 121.8 | 1/9 | -20.537 | 0.88 | 4.6 | 3.9 | 2.4 | 31.4 |
| 100 | 122.2 | 1/9 | -20.537 | 0.88 | 4.6 | 3.8 | 2.4 | 31.5 |
| 100 | 122.6 | 1/9 | -20.537 | 0.88 | 4.6 | 3.8 | 2.4 | 31.5 |
| 100 | 123 | 1/9 | -20.537 | 0.88 | 4.6 | 3.8 | 2.5 | 31.5 |
| 100 | 123.3 | 1/9 | -20.630 | 0.86 | 4.5 | 3.7 | 2.4 | 31.6 |
| 100 | 123.7 | 1/9 | -20.630 | 0.86 | 4.5 | 3.7 | 2.4 | 31.6 |
| 100 | 124.1 | 1/9 | -20.630 | 0.86 | 4.5 | 3.7 | 2.5 | 31.6 |
| 100 | 124.5 | 1/9 | -20.724 | 0.85 | 4.5 | 3.7 | 2.5 | 31.6 |
| 100 | 124.8 | 1/9 | -20.724 | 0.85 | 4.5 | 3.6 | 2.5 | 31.7 |
| 100 | 125.2 | 1/9 | -20.819 | 0.83 | 4.4 | 3.5 | 2.5 | 31.8 |
| 100 | 125.6 | 1/9 | -20.819 | 0.83 | 4.4 | 3.5 | 2.5 | 31.8 |
| 100 | 126 | 1/9 | -20.915 | 0.81 | 4.4 | 3.5 | 2.5 | 31.8 |
| 100 | 126.3 | 1/9 | -21.012 | 0.79 | 4.3 | 3.4 | 2.5 | 31.9 |
| 100 | 126.7 | 1/9 | -21.110 | 0.77 | 4.3 | 3.4 | 2.5 | 31.9 |
| 100 | 127.1 | 1/9 | -21.210 | 0.76 | 4.2 | 3.3 | 2.5 | 32 |
| 100 | 127.5 | 1/9 | -21.310 | 0.74 | 4.2 | 3.3 | 2.5 | 32 |
| 100 | 127.8 | 1/9 | -21.514 | 0.71 | 4.1 | 3.2 | 2.5 | 32.1 |
| 100 | 128.2 | 1/9 | -21.618 | 0.69 | 4 | 3.1 | 2.4 | 32.2 |
| 100 | 128.6 | 0.081 | -21.830 | 0.66 | 3.9 | 3 | 2.4 | 32.3 |
| 100 | 129 | 0.08 | -21.938 | 0.64 | 3.9 | 3 | 2.4 | 32.3 |
| 100 | 129.3 | 0.078 | -22.158 | 0.61 | 3.8 | 2.9 | 2.4 | 32.4 |
| 100 | 129.7 | 0.076 | -22.384 | 0.58 | 3.7 | 2.8 | 2.3 | 32.5 |
| 100 | 130.1 | 0.074 | -22.615 | 0.55 | 3.6 | 2.7 | 2.3 | 32.6 |
| 100 | 130.5 | 0.072 | -22.853 | 0.52 | 3.5 | 2.6 | 2.2 | 32.7 |
| 100 | 130.8 | 0.07 | -23.098 | 0.49 | 3.4 | 2.5 | 2.2 | 32.8 |
| 100 | 131.2 | 0.068 | -23.350 | 0.46 | 3.3 | 2.4 | 2.1 | 32.9 |
| 100 | 131.6 | 0.065 | -23.742 | 0.42 | 3.1 | 2.3 | 2 | 33 |

| | | | | | | | | |
|-----|-------|-------|---------|------|-----|-----|-----|------|
| 100 | 132 | 0.062 | -24.152 | 0.38 | 3 | 2.2 | 2 | 33.1 |
| 100 | 132.4 | 0.06 | -24.437 | 0.36 | 2.9 | 2.1 | 1.9 | 33.2 |
| 100 | 132.7 | 0.057 | -24.883 | 0.32 | 2.7 | 1.9 | 1.8 | 33.4 |
| 100 | 133.1 | 0.054 | -25.352 | 0.29 | 2.6 | 1.9 | 1.7 | 33.4 |
| 100 | 133.5 | 0.051 | -25.849 | 0.26 | 2.5 | 1.8 | 1.7 | 33.5 |
| 100 | 133.9 | 0.048 | -26.375 | 0.23 | 2.3 | 1.6 | 1.5 | 33.7 |
| 100 | 134.2 | 0.044 | -27.131 | 0.19 | 2.1 | 1.5 | 1.4 | 33.8 |
| 100 | 134.6 | 0.041 | -27.744 | 0.17 | 2 | 1.4 | 1.4 | 33.9 |