R outputs:

>survivedd <- read.csv("Desktop/New Stuff CMU/ForRLog.csv")

> survivedd$survive <- factor( ifelse( survivedd$survive==1, "yes", "no"))

>summary( model2 <- glm( survive ~ num\_easy\_y1, survivedd, family="binomial" ) )$coefficients

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.40897049 0.05531493 -25.471794 4.049610e-143

num\_easy\_y1 0.06601533 0.02346734 2.813072 4.907063e-03

> plot( survivedd$num\_easy\_y1, jitter(ifelse( survivedd$survive=="yes",1,0 ),.1), pch=20, xlab="Number of E-Easy Labels Completed", ylab="Likelihood of Survival" )

> inverselogit <- function(x){ exp(x) / (1+exp(x) ) }

> par(mar=c(5.1,4.1,4.1,2.1) )

> par(mar=c(5.1,5.1,4.1,2.1) )

> plot( -5:5, inverselogit(2\*(-5:5)), type="o", xlab="x", ylab=expression( hat(Y)~(proportion) ) )

>intercept <- coef( model2 )["(Intercept)"]

> num\_easy\_y1coef <- coef( model2 )["num\_easy\_y1"]

> > div4marginal <- num\_easy\_y1coef/4

> meannum\_easy\_y1 <- mean( survivedd$num\_easy\_y1 )

> marginal\_effect\_at\_mean <- inverselogit( intercept + num\_easy\_y1coef\*(meannum\_easy\_y1+1) ) - inverselogit( intercept + num\_easy\_y1coef\*meannum\_easy\_y1 )

> mean\_of\_sample\_marginal\_effects <- mean( dlogis( intercept+num\_easy\_y1coef\*survivedd$num\_easy\_y1 ) )\*num\_easy\_y1coef

$div\_by\_4

[1] 0.01650383

$at\_mean

[1] 0.01082658

$mean\_of\_marginal

[1] 0.01058855

> par( mfrow=c(1,3), mar=c(5.6, 4.1, 4.1, 2.1) )

> num\_easy\_y1s <- seq( min(survivedd$num\_easy\_y1), max(survivedd$num\_easy\_y1), by=.1 )

> proportion\_accepted <- inverselogit( intercept + num\_easy\_y1coef\*num\_easy\_y1s )

> plot( num\_easy\_y1s, proportion\_accepted, xlab="number of E-Easy done", ylab="Proportion survived", pch=16, cex=.25, main="Predicted outcome", type="o" )

> highergpas <- 55:length(proportion\_accepted)

> > lowergpas <- 0:length( proportion\_accepted[-(0:55)] )

Regression Analysis:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUMMARY OUTPUT | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| *Regression Statistics* | |  |  |  |  |  |  |  |
| Multiple R | 0.13407336 |  |  |  |  |  |  |  |
| R Square | 0.01797566 |  |  |  |  |  |  |  |
| Adjusted R Square | 0.01706427 |  |  |  |  |  |  |  |
| Standard Error | 0.3981728 |  |  |  |  |  |  |  |
| Observations | 2158 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ANOVA |  |  |  |  |  |  |  |  |
|  | *df* | *SS* | *MS* | *F* | *Significance F* |  |  |  |
| Regression | 2 | 6.25393201 | 3.12696601 | 19.7233185 | 3.2488E-09 |  |  |  |
| Residual | 2155 | 341.657097 | 0.15854158 |  |  |  |  |  |
| Total | 2157 | 347.911029 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | *Coefficients* | *Standard Error* | *t Stat* | *P-value* | *Lower 95%* | *Upper 95%* | *Lower 95.0%* | *Upper 95.0%* |
| Intercept | 0.19159986 | 0.00880773 | 21.753599 | 5.1364E-95 | 0.17432732 | 0.2088724 | 0.17432732 | 0.2088724 |
| effort | 3.1503E-06 | 5.919E-07 | 5.32240161 | 1.1303E-07 | 1.9896E-06 | 4.3111E-06 | 1.9896E-06 | 4.3111E-06 |
| num\_easy\_y1 | 0.01190792 | 0.00394256 | 3.02034928 | 0.0025545 | 0.00417629 | 0.01963954 | 0.00417629 | 0.01963954 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Y= .19159986 + 3.1503E-06(effort) + .01190792 (num\_easy\_y1) ………(Multiple Linear Predication)

Num of easy matters a lot compared to effort put in!

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RESIDUAL OUTPUT | |  |  | PROBABILITY OUTPUT | |
|  |  |  |  |  |  |
| *Observation* | *Predicted survived* | *Residuals* |  | *Percentile* | *survived* |
| 1 | 0.19236224 | -0.192362235 |  | 0.0231696 | 0 |
| 2 | 0.20365269 | -0.203652694 |  | 0.0695088 | 0 |
| 3 | 0.20124296 | -0.20124296 |  | 0.11584801 | 0 |
| 4 | 0.19167232 | 0.808327683 |  | 0.16218721 | 0 |
| 5 | 0.19163766 | 0.808362336 |  | 0.20852641 | 0 |
| 6 | 0.19162506 | -0.191625062 |  | 0.25486562 | 0 |
| 7 | 0.19428392 | 0.805716076 |  | 0.30120482 | 0 |
| 8 | 0.19160616 | -0.191606161 |  | 0.34754402 | 0 |
| 9 | 0.19162191 | -0.191621912 |  | 0.39388323 | 0 |
| 10 | 0.19160616 | -0.191606161 |  | 0.44022243 | 0 |
| 11 | 0.19161876 | -0.191618762 |  | 0.48656163 | 0 |
| 12 | 0.19194324 | 0.808056756 |  | 0.53290083 | 0 |
| 13 | 0.21561417 | -0.215614168 |  | 0.57924004 | 0 |
| 14 | 0.19162506 | -0.191625062 |  | 0.62557924 | 0 |
| 15 | 0.19664036 | 0.803359644 |  | 0.67191844 | 0 |
| 16 | 0.19160616 | -0.191606161 |  | 0.71825765 | 0 |
| 17 | 0.19162506 | -0.191625062 |  | 0.76459685 | 0 |
| 18 | 0.37002083 | -0.370020832 |  | 0.81093605 | 0 |
| 19 | 0.19160616 | -0.191606161 |  | 0.85727525 | 0 |
| 20 | 0.19179203 | -0.191792029 |  | 0.90361446 | 0 |
| 21 | 0.19160616 | -0.191606161 |  | 0.94995366 | 0 |
| 22 | 0.19188969 | -0.191889688 |  | 0.99629286 | 0 |
| 23 | 0.20363379 | -0.203633792 |  | 1.04263207 | 0 |
| 24 | 0.19211651 | -0.192116511 |  | 1.08897127 | 0 |
| 25 | 0.19161246 | -0.191612461 |  | 1.13531047 | 0 |
| 26 | 0.19161246 | -0.191612461 |  | 1.18164968 | 0 |
| 27 | 0.26353882 | -0.263538824 |  | 1.22798888 | 0 |
| 28 | 0.19820606 | 0.801793939 |  | 1.27432808 | 0 |
| 29 | 0.19187079 | -0.191870787 |  | 1.32066728 | 0 |
| 30 | 0.1924788 | -0.192478796 |  | 1.36700649 | 0 |
| 31 | 0.19208186 | -0.192081857 |  | 1.41334569 | 0 |
| 32 | 0.19331678 | -0.193316779 |  | 1.45968489 | 0 |
| 33 | 0.19385548 | 0.806144518 |  | 1.5060241 | 0 |
| 34 | 0.23945521 | -0.239455209 |  | 1.5523633 | 0 |
| 35 | 0.19191804 | -0.191918041 |  | 1.5987025 | 0 |
| 36 | 0.19160616 | -0.191606161 |  | 1.64504171 | 0 |
| 37 | 0.19358771 | -0.193587706 |  | 1.69138091 | 0 |
| 38 | 0.19168177 | -0.191681768 |  | 1.73772011 | 0 |
| 39 | 0.19166602 | -0.191666016 |  | 1.78405931 | 0 |
| 40 | 0.19175423 | -0.191754225 |  | 1.83039852 | 0 |
| 41 | 0.1950337 | -0.195033698 |  | 1.87673772 | 0 |
| 42 | 0.20403728 | 0.795962715 |  | 1.92307692 | 0 |
| 43 | 0.19160616 | -0.191606161 |  | 1.96941613 | 0 |
| 44 | 0.19160301 | -0.19160301 |  | 2.01575533 | 0 |
| 45 | 0.19227088 | -0.192270876 |  | 2.06209453 | 0 |
| 46 | 0.19160616 | -0.191606161 |  | 2.10843373 | 0 |
| 47 | 0.22752209 | -0.227522087 |  | 2.15477294 | 0 |
| 48 | 0.19172272 | -0.191722722 |  | 2.20111214 | 0 |
| 49 | 0.19165026 | -0.191650265 |  | 2.24745134 | 0 |
| 50 | 0.19160616 | -0.191606161 |  | 2.29379055 | 0 |
| 51 | 0.20588941 | -0.205889414 |  | 2.34012975 | 0 |
| 52 | 0.19163766 | -0.191637664 |  | 2.38646895 | 0 |
| 53 | 0.19192749 | 0.808072508 |  | 2.43280816 | 0 |
| 54 | 0.19176368 | -0.191763676 |  | 2.47914736 | 0 |
| 55 | 0.19160616 | -0.191606161 |  | 2.52548656 | 0 |
| 56 | 0.19164396 | -0.191643964 |  | 2.57182576 | 0 |
| 57 | 0.19181093 | 0.808189069 |  | 2.61816497 | 0 |
| 58 | 0.19161876 | -0.191618762 |  | 2.66450417 | 0 |
| 59 | 0.19441624 | 0.805583763 |  | 2.71084337 | 0 |
| 60 | 0.19259221 | -0.192592208 |  | 2.75718258 | 0 |
| 61 | 0.19162821 | -0.191628213 |  | 2.80352178 | 0 |
| 62 | 0.19163136 | -0.191631363 |  | 2.84986098 | 0 |
| 63 | 0.19290724 | 0.807092761 |  | 2.89620019 | 0 |
| 64 | 0.19165026 | -0.191650265 |  | 2.94253939 | 0 |
| 65 | 0.20192028 | -0.201920276 |  | 2.98887859 | 0 |
| 66 | 0.19182983 | -0.191829833 |  | 3.03521779 | 0 |
| 67 | 0.19183613 | 0.808163867 |  | 3.081557 | 0 |
| 68 | 0.19419887 | -0.194198866 |  | 3.1278962 | 0 |
| 69 | 0.19180463 | -0.19180463 |  | 3.1742354 | 0 |
| 70 | 0.19183928 | -0.191839284 |  | 3.22057461 | 0 |
| 71 | 0.19176998 | 0.808230023 |  | 3.26691381 | 0 |
| 72 | 0.19165657 | 0.808343434 |  | 3.31325301 | 0 |
| 73 | 0.19161246 | -0.191612461 |  | 3.35959222 | 0 |
| 74 | 0.19167547 | -0.191675467 |  | 3.40593142 | 0 |
| 75 | 0.19161246 | -0.191612461 |  | 3.45227062 | 0 |
| 76 | 0.19200625 | -0.19200625 |  | 3.49860982 | 0 |
| 77 | 0.19161246 | -0.191612461 |  | 3.54494903 | 0 |
| 78 | 0.19277808 | 0.807221924 |  | 3.59128823 | 0 |
| 79 | 0.19180148 | -0.19180148 |  | 3.63762743 | 0 |
| 80 | 0.28897707 | 0.711022927 |  | 3.68396664 | 0 |
| 81 | 0.19192434 | -0.191924342 |  | 3.73030584 | 0 |
| 82 | 0.19165972 | -0.191659716 |  | 3.77664504 | 0 |
| 83 | 0.20358024 | -0.203580236 |  | 3.82298424 | 0 |
| 84 | 0.19162821 | -0.191628213 |  | 3.86932345 | 0 |
| 85 | 0.19165342 | 0.808346585 |  | 3.91566265 | 0 |
| 86 | 0.19169437 | -0.191694369 |  | 3.96200185 | 0 |
| 87 | 0.19177628 | -0.191776277 |  | 4.00834106 | 0 |
| 88 | 0.19166287 | -0.191662866 |  | 4.05468026 | 0 |
| 89 | 0.19162821 | -0.191628213 |  | 4.10101946 | 0 |
| 90 | 0.19161876 | 0.808381238 |  | 4.14735867 | 0 |
| 91 | 0.30950739 | 0.690492609 |  | 4.19369787 | 0 |
| 92 | 0.19160931 | -0.191609311 |  | 4.24003707 | 0 |
| 93 | 0.19169752 | -0.19169752 |  | 4.28637627 | 0 |
| 94 | 0.19170697 | -0.19170697 |  | 4.33271548 | 0 |
| 95 | 0.19160616 | -0.191606161 |  | 4.37905468 | 0 |
| 96 | 0.20463244 | -0.20463244 |  | 4.42539388 | 0 |
| 97 | 0.19258591 | 0.807414093 |  | 4.47173309 | 0 |
| 98 | 0.21557321 | -0.215573214 |  | 4.51807229 | 0 |
| 99 | 0.19166917 | -0.191669167 |  | 4.56441149 | 0 |
| 100 | 0.19167547 | -0.191675467 |  | 4.6107507 | 0 |
| 101 | 0.19161876 | -0.191618762 |  | 4.6570899 | 0 |
| 102 | 0.19161246 | -0.191612461 |  | 4.7034291 | 0 |
| 103 | 0.2047679 | 0.795232097 |  | 4.7497683 | 0 |
| 104 | 0.1919779 | -0.191977897 |  | 4.79610751 | 0 |
| 105 | 0.19161246 | -0.191612461 |  | 4.84244671 | 0 |
| 106 | 0.19176683 | -0.191766826 |  | 4.88878591 | 0 |
| 107 | 0.19164711 | -0.191647115 |  | 4.93512512 | 0 |
| 108 | 0.19161876 | -0.191618762 |  | 4.98146432 | 0 |
| 109 | 0.19206296 | -0.192062956 |  | 5.02780352 | 0 |
| 110 | 0.19161876 | -0.191618762 |  | 5.07414272 | 0 |
| 111 | 0.19249455 | -0.192494548 |  | 5.12048193 | 0 |
| 112 | 0.20360229 | -0.203602289 |  | 5.16682113 | 0 |
| 113 | 0.19193694 | 0.808063057 |  | 5.21316033 | 0 |
| 114 | 0.19160616 | -0.191606161 |  | 5.25949954 | 0 |
| 115 | 0.19170697 | -0.19170697 |  | 5.30583874 | 0 |
| 116 | 0.19198735 | -0.191987348 |  | 5.35217794 | 0 |
| 117 | 0.19251345 | -0.19251345 |  | 5.39851715 | 0 |
| 118 | 0.19181093 | -0.191810931 |  | 5.44485635 | 0 |
| 119 | 0.20541687 | -0.205416867 |  | 5.49119555 | 0 |
| 120 | 0.19160301 | -0.19160301 |  | 5.53753475 | 0 |
| 121 | 0.21566457 | -0.215664573 |  | 5.58387396 | 0 |
| 122 | 0.19160616 | -0.191606161 |  | 5.63021316 | 0 |
| 123 | 0.19161246 | -0.191612461 |  | 5.67655236 | 0 |
| 124 | 0.19160616 | -0.191606161 |  | 5.72289157 | 0 |
| 125 | 0.19160616 | -0.191606161 |  | 5.76923077 | 0 |
| 126 | 0.19164396 | -0.191643964 |  | 5.81556997 | 0 |
| 127 | 0.19190544 | -0.19190544 |  | 5.86190918 | 0 |
| 128 | 0.19172272 | -0.191722722 |  | 5.90824838 | 0 |
| 129 | 0.19162191 | -0.191621912 |  | 5.95458758 | 0 |
| 130 | 0.23971038 | -0.239710384 |  | 6.00092678 | 0 |
| 131 | 0.19278753 | -0.192787527 |  | 6.04726599 | 0 |
| 132 | 0.19160616 | 0.808393839 |  | 6.09360519 | 0 |
| 133 | 0.19194009 | -0.191940093 |  | 6.13994439 | 0 |
| 134 | 0.19163136 | -0.191631363 |  | 6.1862836 | 0 |
| 135 | 0.19161246 | -0.191612461 |  | 6.2326228 | 0 |
| 136 | 0.19671281 | 0.803287187 |  | 6.278962 | 0 |
| 137 | 0.19171012 | 0.808289879 |  | 6.3253012 | 0 |
| 138 | 0.19163766 | -0.191637664 |  | 6.37164041 | 0 |
| 139 | 0.19161246 | -0.191612461 |  | 6.41797961 | 0 |
| 140 | 0.19210076 | -0.192100759 |  | 6.46431881 | 0 |
| 141 | 0.27684233 | -0.276842331 |  | 6.51065802 | 0 |
| 142 | 0.23926619 | -0.239266191 |  | 6.55699722 | 0 |
| 143 | 0.19272767 | 0.807272329 |  | 6.60333642 | 0 |
| 144 | 0.19160616 | -0.191606161 |  | 6.64967563 | 0 |
| 145 | 0.19182353 | -0.191823532 |  | 6.69601483 | 0 |
| 146 | 0.1925544 | 0.807445596 |  | 6.74235403 | 0 |
| 147 | 0.20454423 | 0.795455769 |  | 6.78869323 | 0 |
| 148 | 0.19268042 | 0.807319584 |  | 6.83503244 | 0 |
| 149 | 0.19167232 | -0.191672317 |  | 6.88137164 | 0 |
| 150 | 0.19161246 | -0.191612461 |  | 6.92771084 | 0 |
| 151 | 0.19160616 | -0.191606161 |  | 6.97405005 | 0 |
| 152 | 0.19221732 | -0.192217321 |  | 7.02038925 | 0 |
| 153 | 0.19162821 | -0.191628213 |  | 7.06672845 | 0 |
| 154 | 0.19161246 | 0.808387539 |  | 7.11306766 | 0 |
| 155 | 0.19185819 | -0.191858185 |  | 7.15940686 | 0 |
| 156 | 0.20919749 | 0.790802507 |  | 7.20574606 | 0 |
| 157 | 0.1925166 | -0.1925166 |  | 7.25208526 | 0 |
| 158 | 0.19163766 | -0.191637664 |  | 7.29842447 | 0 |
| 159 | 0.20352983 | -0.203529831 |  | 7.34476367 | 0 |
| 160 | 0.19165026 | -0.191650265 |  | 7.39110287 | 0 |
| 161 | 0.19160616 | 0.808393839 |  | 7.43744208 | 0 |
| 162 | 0.19162821 | -0.191628213 |  | 7.48378128 | 0 |
| 163 | 0.19160616 | -0.191606161 |  | 7.53012048 | 0 |
| 164 | 0.20409374 | -0.204093737 |  | 7.57645968 | 0 |
| 165 | 0.19289149 | 0.807108513 |  | 7.62279889 | 0 |
| 166 | 0.19162506 | -0.191625062 |  | 7.66913809 | 0 |
| 167 | 0.19181093 | -0.191810931 |  | 7.71547729 | 0 |
| 168 | 0.19160616 | 0.808393839 |  | 7.7618165 | 0 |
| 169 | 0.19161876 | -0.191618762 |  | 7.8081557 | 0 |
| 170 | 0.19339869 | -0.193398687 |  | 7.8544949 | 0 |
| 171 | 0.19168177 | -0.191681768 |  | 7.90083411 | 0 |
| 172 | 0.19182668 | -0.191826682 |  | 7.94717331 | 0 |
| 173 | 0.19254495 | 0.807455047 |  | 7.99351251 | 0 |
| 174 | 0.19164396 | -0.191643964 |  | 8.03985171 | 0 |
| 175 | 0.19160616 | -0.191606161 |  | 8.08619092 | 0 |
| 176 | 0.19179518 | -0.191795179 |  | 8.13253012 | 0 |
| 177 | 0.19181093 | -0.191810931 |  | 8.17886932 | 0 |
| 178 | 0.19168492 | -0.191684918 |  | 8.22520853 | 0 |
| 179 | 0.19193064 | 0.808069357 |  | 8.27154773 | 0 |
| 180 | 0.19160616 | -0.191606161 |  | 8.31788693 | 0 |
| 181 | 0.19258276 | -0.192582757 |  | 8.36422614 | 0 |
| 182 | 0.19259221 | -0.192592208 |  | 8.41056534 | 0 |
| 183 | 0.19182668 | -0.191826682 |  | 8.45690454 | 0 |
| 184 | 0.27541524 | -0.27541524 |  | 8.50324374 | 0 |
| 185 | 0.19246935 | -0.192469346 |  | 8.54958295 | 0 |
| 186 | 0.19176998 | -0.191769977 |  | 8.59592215 | 0 |
| 187 | 0.22188064 | -0.221880642 |  | 8.64226135 | 0 |
| 188 | 0.19160616 | -0.191606161 |  | 8.68860056 | 0 |
| 189 | 0.19274972 | -0.192749723 |  | 8.73493976 | 0 |
| 190 | 0.19160616 | -0.191606161 |  | 8.78127896 | 0 |
| 191 | 0.30400065 | 0.695999351 |  | 8.82761816 | 0 |
| 192 | 0.19161876 | -0.191618762 |  | 8.87395737 | 0 |
| 193 | 0.19160616 | -0.191606161 |  | 8.92029657 | 0 |
| 194 | 0.19166917 | -0.191669167 |  | 8.96663577 | 0 |
| 195 | 0.30286969 | -0.302869687 |  | 9.01297498 | 0 |
| 196 | 0.21927483 | 0.780725171 |  | 9.05931418 | 0 |
| 197 | 0.19223307 | -0.192233072 |  | 9.10565338 | 0 |
| 198 | 0.19260796 | -0.192607959 |  | 9.15199259 | 0 |
| 199 | 0.19164711 | 0.808352885 |  | 9.19833179 | 0 |
| 200 | 0.19160616 | -0.191606161 |  | 9.24467099 | 0 |
| 201 | 0.31597472 | 0.684025275 |  | 9.29101019 | 0 |
| 202 | 0.19161876 | -0.191618762 |  | 9.3373494 | 0 |
| 203 | 0.19161246 | -0.191612461 |  | 9.3836886 | 0 |
| 204 | 0.2097992 | -0.209799202 |  | 9.4300278 | 0 |
| 205 | 0.19296709 | 0.807032905 |  | 9.47636701 | 0 |
| 206 | 0.19188024 | -0.191880238 |  | 9.52270621 | 0 |
| 207 | 0.19160616 | -0.191606161 |  | 9.56904541 | 0 |
| 208 | 0.20401183 | -0.204011829 |  | 9.61538462 | 0 |
| 209 | 0.19229608 | -0.192296079 |  | 9.66172382 | 0 |
| 210 | 0.19664036 | 0.803359644 |  | 9.70806302 | 0 |
| 211 | 0.19286628 | 0.807133715 |  | 9.75440222 | 0 |
| 212 | 0.19195269 | -0.191952695 |  | 9.80074143 | 0 |
| 213 | 0.19165342 | -0.191653415 |  | 9.84708063 | 0 |
| 214 | 0.19165342 | -0.191653415 |  | 9.89341983 | 0 |
| 215 | 0.19162191 | -0.191621912 |  | 9.93975904 | 0 |
| 216 | 0.20357079 | -0.203570785 |  | 9.98609824 | 0 |
| 217 | 0.19160616 | -0.191606161 |  | 10.0324374 | 0 |
| 218 | 0.22535178 | 0.774648223 |  | 10.0787766 | 0 |
| 219 | 0.19161246 | -0.191612461 |  | 10.1251158 | 0 |
| 220 | 0.19161876 | -0.191618762 |  | 10.1714551 | 0 |
| 221 | 0.22886727 | -0.22886727 |  | 10.2177943 | 0 |
| 222 | 0.19167547 | -0.191675467 |  | 10.2641335 | 0 |
| 223 | 0.19160616 | -0.191606161 |  | 10.3104727 | 0 |
| 224 | 0.22779931 | -0.227799315 |  | 10.3568119 | 0 |
| 225 | 0.19242524 | -0.192425241 |  | 10.4031511 | 0 |
| 226 | 0.19160616 | -0.191606161 |  | 10.4494903 | 0 |
| 227 | 0.19162191 | 0.808378088 |  | 10.4958295 | 0 |
| 228 | 0.19166602 | 0.808333984 |  | 10.5421687 | 0 |
| 229 | 0.19393739 | -0.19393739 |  | 10.5885079 | 0 |
| 230 | 0.19160616 | -0.191606161 |  | 10.6348471 | 0 |
| 231 | 0.1920157 | -0.192015701 |  | 10.6811863 | 0 |
| 232 | 0.19184243 | -0.191842434 |  | 10.7275255 | 0 |
| 233 | 0.19160616 | -0.191606161 |  | 10.7738647 | 0 |
| 234 | 0.19162506 | -0.191625062 |  | 10.8202039 | 0 |
| 235 | 0.19160616 | -0.191606161 |  | 10.8665431 | 0 |
| 236 | 0.20405908 | 0.795940916 |  | 10.9128823 | 0 |
| 237 | 0.19163766 | -0.191637664 |  | 10.9592215 | 0 |
| 238 | 0.20360859 | -0.203608589 |  | 11.0055607 | 0 |
| 239 | 0.20351408 | -0.20351408 |  | 11.0518999 | 0 |
| 240 | 0.19191174 | -0.191911741 |  | 11.0982391 | 0 |
| 241 | 0.19163451 | -0.191634513 |  | 11.1445783 | 0 |
| 242 | 0.19160616 | -0.191606161 |  | 11.1909175 | 0 |
| 243 | 0.19593154 | -0.195931537 |  | 11.2372567 | 0 |
| 244 | 0.19163136 | -0.191631363 |  | 11.2835959 | 0 |
| 245 | 0.20380076 | -0.203800758 |  | 11.3299351 | 0 |
| 246 | 0.20355818 | -0.203558184 |  | 11.3762743 | 0 |
| 247 | 0.23021245 | -0.230212452 |  | 11.4226135 | 0 |
| 248 | 0.19162506 | -0.191625062 |  | 11.4689527 | 0 |
| 249 | 0.19167547 | 0.808324533 |  | 11.5152919 | 0 |
| 250 | 0.19172587 | -0.191725872 |  | 11.5616311 | 0 |
| 251 | 0.19161246 | -0.191612461 |  | 11.6079703 | 0 |
| 252 | 0.19161246 | -0.191612461 |  | 11.6543095 | 0 |
| 253 | 0.20418195 | 0.795818054 |  | 11.7006487 | 0 |
| 254 | 0.19305845 | -0.193058454 |  | 11.746988 | 0 |
| 255 | 0.19163766 | -0.191637664 |  | 11.7933272 | 0 |
| 256 | 0.19160616 | -0.191606161 |  | 11.8396664 | 0 |
| 257 | 0.19163766 | -0.191637664 |  | 11.8860056 | 0 |
| 258 | 0.1955157 | -0.195515696 |  | 11.9323448 | 0 |
| 259 | 0.20352038 | -0.20352038 |  | 11.978684 | 0 |
| 260 | 0.2154346 | -0.2154346 |  | 12.0250232 | 0 |
| 261 | 0.19162821 | -0.191628213 |  | 12.0713624 | 0 |
| 262 | 0.19173217 | -0.191732173 |  | 12.1177016 | 0 |
| 263 | 0.19166602 | -0.191666016 |  | 12.1640408 | 0 |
| 264 | 0.19160616 | -0.191606161 |  | 12.21038 | 0 |
| 265 | 0.19592209 | 0.804077914 |  | 12.2567192 | 0 |
| 266 | 0.19164396 | 0.808356036 |  | 12.3030584 | 0 |
| 267 | 0.1920283 | -0.192028302 |  | 12.3493976 | 0 |
| 268 | 0.19166917 | -0.191669167 |  | 12.3957368 | 0 |
| 269 | 0.22784342 | -0.227843419 |  | 12.442076 | 0 |
| 270 | 0.21583784 | -0.21583784 |  | 12.4884152 | 0 |
| 271 | 0.19186134 | 0.808138664 |  | 12.5347544 | 0 |
| 272 | 0.19278753 | -0.192787527 |  | 12.5810936 | 0 |
| 273 | 0.19160616 | -0.191606161 |  | 12.6274328 | 0 |
| 274 | 0.19176368 | 0.808236324 |  | 12.673772 | 0 |
| 275 | 0.19173532 | -0.191735323 |  | 12.7201112 | 0 |
| 276 | 0.19162821 | -0.191628213 |  | 12.7664504 | 0 |
| 277 | 0.1975949 | 0.8024051 |  | 12.8127896 | 0 |
| 278 | 0.24801775 | -0.248017752 |  | 12.8591288 | 0 |
| 279 | 0.28747122 | -0.287471224 |  | 12.905468 | 0 |
| 280 | 0.19160616 | -0.191606161 |  | 12.9518072 | 0 |
| 281 | 0.19160616 | -0.191606161 |  | 12.9981464 | 0 |
| 282 | 0.19212911 | -0.192129112 |  | 13.0444856 | 0 |
| 283 | 0.19161246 | -0.191612461 |  | 13.0908248 | 0 |
| 284 | 0.19163136 | -0.191631363 |  | 13.137164 | 0 |
| 285 | 0.19171327 | 0.808286729 |  | 13.1835032 | 0 |
| 286 | 0.19180778 | -0.19180778 |  | 13.2298424 | 0 |
| 287 | 0.19221732 | -0.192217321 |  | 13.2761816 | 0 |
| 288 | 0.19336088 | 0.806639117 |  | 13.3225209 | 0 |
| 289 | 0.19175738 | -0.191757375 |  | 13.3688601 | 0 |
| 290 | 0.19298285 | -0.192982846 |  | 13.4151993 | 0 |
| 291 | 0.29434937 | -0.294349366 |  | 13.4615385 | 0 |
| 292 | 0.19160616 | -0.191606161 |  | 13.5078777 | 0 |
| 293 | 0.19165657 | -0.191656566 |  | 13.5542169 | 0 |
| 294 | 0.195522 | 0.804478004 |  | 13.6005561 | 0 |
| 295 | 0.19174162 | -0.191741624 |  | 13.6468953 | 0 |
| 296 | 0.19161246 | -0.191612461 |  | 13.6932345 | 0 |
| 297 | 0.19170697 | 0.80829303 |  | 13.7395737 | 0 |
| 298 | 0.19173532 | -0.191735323 |  | 13.7859129 | 0 |
| 299 | 0.19161246 | -0.191612461 |  | 13.8322521 | 0 |
| 300 | 0.19168177 | -0.191681768 |  | 13.8785913 | 0 |
| 301 | 0.19160616 | -0.191606161 |  | 13.9249305 | 0 |
| 302 | 0.19172902 | -0.191729023 |  | 13.9712697 | 0 |
| 303 | 0.19160616 | -0.191606161 |  | 14.0176089 | 0 |
| 304 | 0.19160616 | -0.191606161 |  | 14.0639481 | 0 |
| 305 | 0.19160931 | -0.191609311 |  | 14.1102873 | 0 |
| 306 | 0.19162506 | -0.191625062 |  | 14.1566265 | 0 |
| 307 | 0.20385431 | -0.203854313 |  | 14.2029657 | 0 |
| 308 | 0.21577798 | -0.215777984 |  | 14.2493049 | 0 |
| 309 | 0.2394111 | -0.239411105 |  | 14.2956441 | 0 |
| 310 | 0.19160616 | -0.191606161 |  | 14.3419833 | 0 |
| 311 | 0.19194639 | -0.191946394 |  | 14.3883225 | 0 |
| 312 | 0.19412641 | 0.805873591 |  | 14.4346617 | 0 |
| 313 | 0.20369365 | -0.203693648 |  | 14.4810009 | 0 |
| 314 | 0.2154535 | -0.215453502 |  | 14.5273401 | 0 |
| 315 | 0.19178888 | -0.191788879 |  | 14.5736793 | 0 |
| 316 | 0.19171327 | 0.808286729 |  | 14.6200185 | 0 |
| 317 | 0.19161876 | -0.191618762 |  | 14.6663577 | 0 |
| 318 | 0.19162506 | -0.191625062 |  | 14.7126969 | 0 |
| 319 | 0.21572443 | -0.215724429 |  | 14.7590361 | 0 |
| 320 | 0.2154661 | 0.784533896 |  | 14.8053753 | 0 |
| 321 | 0.19169122 | -0.191691219 |  | 14.8517146 | 0 |
| 322 | 0.19460526 | 0.805394744 |  | 14.8980538 | 0 |
| 323 | 0.19162506 | 0.808374938 |  | 14.944393 | 0 |
| 324 | 0.19160616 | -0.191606161 |  | 14.9907322 | 0 |
| 325 | 0.19166602 | -0.191666016 |  | 15.0370714 | 0 |
| 326 | 0.19237799 | -0.192377987 |  | 15.0834106 | 0 |
| 327 | 0.19865655 | 0.801343445 |  | 15.1297498 | 0 |
| 328 | 0.19179518 | 0.808204821 |  | 15.176089 | 0 |
| 329 | 0.19177628 | -0.191776277 |  | 15.2224282 | 0 |
| 330 | 0.19165657 | -0.191656566 |  | 15.2687674 | 0 |
| 331 | 0.19161561 | -0.191615611 |  | 15.3151066 | 0 |
| 332 | 0.19160616 | -0.191606161 |  | 15.3614458 | 0 |
| 333 | 0.19160616 | -0.191606161 |  | 15.407785 | 0 |
| 334 | 0.19160616 | -0.191606161 |  | 15.4541242 | 0 |
| 335 | 0.19164711 | -0.191647115 |  | 15.5004634 | 0 |
| 336 | 0.19407285 | -0.194072853 |  | 15.5468026 | 0 |
| 337 | 0.19161876 | -0.191618762 |  | 15.5931418 | 0 |
| 338 | 0.19170697 | -0.19170697 |  | 15.639481 | 0 |
| 339 | 0.22747798 | -0.227477983 |  | 15.6858202 | 0 |
| 340 | 0.2154787 | -0.215478705 |  | 15.7321594 | 0 |
| 341 | 0.19194009 | -0.191940093 |  | 15.7784986 | 0 |
| 342 | 0.19257961 | -0.192579606 |  | 15.8248378 | 0 |
| 343 | 0.19162821 | 0.808371787 |  | 15.871177 | 0 |
| 344 | 0.19164396 | -0.191643964 |  | 15.9175162 | 0 |
| 345 | 0.19160616 | -0.191606161 |  | 15.9638554 | 0 |
| 346 | 0.21549131 | -0.215491306 |  | 16.0101946 | 0 |
| 347 | 0.19416421 | -0.194164212 |  | 16.0565338 | 0 |
| 348 | 0.20606268 | 0.793937319 |  | 16.102873 | 0 |
| 349 | 0.19163136 | -0.191631363 |  | 16.1492122 | 0 |
| 350 | 0.19160616 | -0.191606161 |  | 16.1955514 | 0 |
| 351 | 0.19175738 | -0.191757375 |  | 16.2418906 | 0 |
| 352 | 0.19163766 | -0.191637664 |  | 16.2882298 | 0 |
| 353 | 0.19258906 | -0.192589057 |  | 16.334569 | 0 |
| 354 | 0.19160301 | -0.19160301 |  | 16.3809082 | 0 |
| 355 | 0.19161246 | -0.191612461 |  | 16.4272475 | 0 |
| 356 | 0.19168807 | -0.191688069 |  | 16.4735867 | 0 |
| 357 | 0.19268672 | -0.192686717 |  | 16.5199259 | 0 |
| 358 | 0.19166602 | -0.191666016 |  | 16.5662651 | 0 |
| 359 | 0.19172272 | -0.191722722 |  | 16.6126043 | 0 |
| 360 | 0.19167862 | -0.191678618 |  | 16.6589435 | 0 |
| 361 | 0.19160931 | -0.191609311 |  | 16.7052827 | 0 |
| 362 | 0.19253235 | 0.807467648 |  | 16.7516219 | 0 |
| 363 | 0.20352038 | -0.20352038 |  | 16.7979611 | 0 |
| 364 | 0.19199995 | -0.191999949 |  | 16.8443003 | 0 |
| 365 | 0.19216062 | -0.192160615 |  | 16.8906395 | 0 |
| 366 | 0.19160616 | -0.191606161 |  | 16.9369787 | 0 |
| 367 | 0.20370625 | -0.203706249 |  | 16.9833179 | 0 |
| 368 | 0.19188024 | -0.191880238 |  | 17.0296571 | 0 |
| 369 | 0.19163451 | -0.191634513 |  | 17.0759963 | 0 |
| 370 | 0.20366845 | -0.203668445 |  | 17.1223355 | 0 |
| 371 | 0.19168177 | 0.808318232 |  | 17.1686747 | 0 |
| 372 | 0.21556061 | -0.215560613 |  | 17.2150139 | 0 |
| 373 | 0.19211021 | -0.19211021 |  | 17.2613531 | 0 |
| 374 | 0.20353928 | 0.796460718 |  | 17.3076923 | 0 |
| 375 | 0.19174162 | -0.191741624 |  | 17.3540315 | 0 |
| 376 | 0.21029355 | -0.210293548 |  | 17.4003707 | 0 |
| 377 | 0.19161561 | -0.191615611 |  | 17.4467099 | 0 |
| 378 | 0.20351408 | -0.20351408 |  | 17.4930491 | 0 |
| 379 | 0.19162821 | -0.191628213 |  | 17.5393883 | 0 |
| 380 | 0.19184558 | -0.191845584 |  | 17.5857275 | 0 |
| 381 | 0.19162191 | -0.191621912 |  | 17.6320667 | 0 |
| 382 | 0.19160616 | -0.191606161 |  | 17.6784059 | 0 |
| 383 | 0.22745908 | -0.227459081 |  | 17.7247451 | 0 |
| 384 | 0.19235593 | -0.192355934 |  | 17.7710843 | 0 |
| 385 | 0.19336088 | 0.806639117 |  | 17.8174235 | 0 |
| 386 | 0.20366845 | -0.203668445 |  | 17.8637627 | 0 |
| 387 | 0.19160616 | 0.808393839 |  | 17.9101019 | 0 |
| 388 | 0.21551336 | -0.215513358 |  | 17.9564411 | 0 |
| 389 | 0.20363064 | -0.203630641 |  | 18.0027804 | 0 |
| 390 | 0.20364009 | -0.203640092 |  | 18.0491196 | 0 |
| 391 | 0.20352668 | -0.203526681 |  | 18.0954588 | 0 |
| 392 | 0.21543145 | -0.21543145 |  | 18.141798 | 0 |
| 393 | 0.19163766 | 0.808362336 |  | 18.1881372 | 0 |
| 394 | 0.19160616 | -0.191606161 |  | 18.2344764 | 0 |
| 395 | 0.19169752 | -0.19169752 |  | 18.2808156 | 0 |
| 396 | 0.19160616 | -0.191606161 |  | 18.3271548 | 0 |
| 397 | 0.22803559 | -0.228035588 |  | 18.373494 | 0 |
| 398 | 0.19164396 | -0.191643964 |  | 18.4198332 | 0 |
| 399 | 0.19163766 | -0.191637664 |  | 18.4661724 | 0 |
| 400 | 0.19194639 | 0.808053606 |  | 18.5125116 | 0 |
| 401 | 0.19164711 | 0.808352885 |  | 18.5588508 | 0 |
| 402 | 0.19207241 | -0.192072406 |  | 18.60519 | 0 |
| 403 | 0.19165026 | -0.191650265 |  | 18.6515292 | 0 |
| 404 | 0.19195584 | -0.191955845 |  | 18.6978684 | 0 |
| 405 | 0.22567992 | 0.774320084 |  | 18.7442076 | 0 |
| 406 | 0.19169437 | -0.191694369 |  | 18.7905468 | 0 |
| 407 | 0.19160616 | -0.191606161 |  | 18.836886 | 0 |
| 408 | 0.19162506 | -0.191625062 |  | 18.8832252 | 0 |
| 409 | 0.19161246 | -0.191612461 |  | 18.9295644 | 0 |
| 410 | 0.19163766 | -0.191637664 |  | 18.9759036 | 0 |
| 411 | 0.19329473 | -0.193294727 |  | 19.0222428 | 0 |
| 412 | 0.19180463 | -0.19180463 |  | 19.068582 | 0 |
| 413 | 0.20877825 | 0.791221752 |  | 19.1149212 | 0 |
| 414 | 0.19465566 | 0.805344339 |  | 19.1612604 | 0 |
| 415 | 0.19340184 | -0.193401837 |  | 19.2075996 | 0 |
| 416 | 0.19390589 | -0.193905887 |  | 19.2539388 | 0 |
| 417 | 0.19169752 | 0.80830248 |  | 19.300278 | 0 |
| 418 | 0.19161246 | -0.191612461 |  | 19.3466172 | 0 |
| 419 | 0.19160616 | -0.191606161 |  | 19.3929564 | 0 |
| 420 | 0.19167862 | -0.191678618 |  | 19.4392956 | 0 |
| 421 | 0.19161246 | -0.191612461 |  | 19.4856348 | 0 |
| 422 | 0.19161246 | -0.191612461 |  | 19.5319741 | 0 |
| 423 | 0.19165657 | -0.191656566 |  | 19.5783133 | 0 |
| 424 | 0.19160616 | -0.191606161 |  | 19.6246525 | 0 |
| 425 | 0.19166287 | -0.191662866 |  | 19.6709917 | 0 |
| 426 | 0.20352668 | -0.203526681 |  | 19.7173309 | 0 |
| 427 | 0.19182038 | -0.191820382 |  | 19.7636701 | 0 |
| 428 | 0.23039908 | 0.769600919 |  | 19.8100093 | 0 |
| 429 | 0.20470515 | -0.204705151 |  | 19.8563485 | 0 |
| 430 | 0.19182983 | 0.808170167 |  | 19.9026877 | 0 |
| 431 | 0.19165026 | -0.191650265 |  | 19.9490269 | 0 |
| 432 | 0.2154787 | -0.215478705 |  | 19.9953661 | 0 |
| 433 | 0.19184243 | -0.191842434 |  | 20.0417053 | 0 |
| 434 | 0.19160616 | -0.191606161 |  | 20.0880445 | 0 |
| 435 | 0.19161561 | -0.191615611 |  | 20.1343837 | 0 |
| 436 | 0.19161246 | -0.191612461 |  | 20.1807229 | 0 |
| 437 | 0.19974341 | -0.199743412 |  | 20.2270621 | 0 |
| 438 | 0.19160931 | -0.191609311 |  | 20.2734013 | 0 |
| 439 | 0.19161246 | -0.191612461 |  | 20.3197405 | 0 |
| 440 | 0.19161246 | -0.191612461 |  | 20.3660797 | 0 |
| 441 | 0.20356764 | -0.203567635 |  | 20.4124189 | 0 |
| 442 | 0.19331678 | 0.806683221 |  | 20.4587581 | 0 |
| 443 | 0.19173217 | -0.191732173 |  | 20.5050973 | 0 |
| 444 | 0.20351408 | -0.20351408 |  | 20.5514365 | 0 |
| 445 | 0.19308051 | -0.193080506 |  | 20.5977757 | 0 |
| 446 | 0.19205981 | -0.192059805 |  | 20.6441149 | 0 |
| 447 | 0.19882037 | 0.801179629 |  | 20.6904541 | 0 |
| 448 | 0.19164396 | -0.191643964 |  | 20.7367933 | 0 |
| 449 | 0.19160616 | -0.191606161 |  | 20.7831325 | 0 |
| 450 | 0.20175331 | -0.20175331 |  | 20.8294717 | 0 |
| 451 | 0.19161246 | -0.191612461 |  | 20.8758109 | 0 |
| 452 | 0.19163136 | -0.191631363 |  | 20.9221501 | 0 |
| 453 | 0.19161246 | -0.191612461 |  | 20.9684893 | 0 |
| 454 | 0.19162191 | -0.191621912 |  | 21.0148285 | 0 |
| 455 | 0.19160616 | -0.191606161 |  | 21.0611677 | 0 |
| 456 | 0.19160301 | -0.19160301 |  | 21.107507 | 0 |
| 457 | 0.20419795 | 0.795802049 |  | 21.1538462 | 0 |
| 458 | 0.19160616 | -0.191606161 |  | 21.2001854 | 0 |
| 459 | 0.22758509 | -0.227585094 |  | 21.2465246 | 0 |
| 460 | 0.20362119 | -0.20362119 |  | 21.2928638 | 0 |
| 461 | 0.19510616 | -0.195106155 |  | 21.339203 | 0 |
| 462 | 0.19160616 | 0.808393839 |  | 21.3855422 | 0 |
| 463 | 0.19162506 | -0.191625062 |  | 21.4318814 | 0 |
| 464 | 0.19213226 | -0.192132262 |  | 21.4782206 | 0 |
| 465 | 0.19237484 | -0.192374836 |  | 21.5245598 | 0 |
| 466 | 0.22911325 | -0.229113248 |  | 21.570899 | 0 |
| 467 | 0.19207556 | 0.807924443 |  | 21.6172382 | 0 |
| 468 | 0.2159355 | -0.2159355 |  | 21.6635774 | 0 |
| 469 | 0.19162821 | -0.191628213 |  | 21.7099166 | 0 |
| 470 | 0.19168177 | -0.191681768 |  | 21.7562558 | 0 |
| 471 | 0.20900847 | 0.790991526 |  | 21.802595 | 0 |
| 472 | 0.19163451 | -0.191634513 |  | 21.8489342 | 0 |
| 473 | 0.19161876 | -0.191618762 |  | 21.8952734 | 0 |
| 474 | 0.19167862 | -0.191678618 |  | 21.9416126 | 0 |
| 475 | 0.19160616 | -0.191606161 |  | 21.9879518 | 0 |
| 476 | 0.19172587 | -0.191725872 |  | 22.034291 | 0 |
| 477 | 0.2276544 | -0.2276544 |  | 22.0806302 | 0 |
| 478 | 0.21545665 | 0.784543347 |  | 22.1269694 | 0 |
| 479 | 0.19169437 | 0.808305631 |  | 22.1733086 | 0 |
| 480 | 0.19165657 | -0.191656566 |  | 22.2196478 | 0 |
| 481 | 0.20354873 | -0.203548733 |  | 22.265987 | 0 |
| 482 | 0.21814702 | 0.781852982 |  | 22.3123262 | 0 |
| 483 | 0.19167862 | -0.191678618 |  | 22.3586654 | 0 |
| 484 | 0.19160616 | -0.191606161 |  | 22.4050046 | 0 |
| 485 | 0.19217952 | -0.192179517 |  | 22.4513438 | 0 |
| 486 | 0.19162506 | -0.191625062 |  | 22.497683 | 0 |
| 487 | 0.19275602 | 0.807243976 |  | 22.5440222 | 0 |
| 488 | 0.19160301 | -0.19160301 |  | 22.5903614 | 0 |
| 489 | 0.19160931 | -0.191609311 |  | 22.6367006 | 0 |
| 490 | 0.19163136 | -0.191631363 |  | 22.6830399 | 0 |
| 491 | 0.19223622 | -0.192236223 |  | 22.7293791 | 0 |
| 492 | 0.19194324 | -0.191943244 |  | 22.7757183 | 0 |
| 493 | 0.19336403 | 0.806635966 |  | 22.8220575 | 0 |
| 494 | 0.19448239 | -0.194482394 |  | 22.8683967 | 0 |
| 495 | 0.19165342 | -0.191653415 |  | 22.9147359 | 0 |
| 496 | 0.19260481 | 0.807395191 |  | 22.9610751 | 0 |
| 497 | 0.19179203 | -0.191792029 |  | 23.0074143 | 0 |
| 498 | 0.21549131 | -0.215491306 |  | 23.0537535 | 0 |
| 499 | 0.19191174 | -0.191911741 |  | 23.1000927 | 0 |
| 500 | 0.19192119 | -0.191921192 |  | 23.1464319 | 0 |
| 501 | 0.19160616 | -0.191606161 |  | 23.1927711 | 0 |
| 502 | 0.19163766 | -0.191637664 |  | 23.2391103 | 0 |
| 503 | 0.19180778 | -0.19180778 |  | 23.2854495 | 0 |
| 504 | 0.19161876 | -0.191618762 |  | 23.3317887 | 0 |
| 505 | 0.20356133 | -0.203561335 |  | 23.3781279 | 0 |
| 506 | 0.19173847 | 0.808261526 |  | 23.4244671 | 0 |
| 507 | 0.19165026 | -0.191650265 |  | 23.4708063 | 0 |
| 508 | 0.19160931 | -0.191609311 |  | 23.5171455 | 0 |
| 509 | 0.19170382 | -0.19170382 |  | 23.5634847 | 0 |
| 510 | 0.19161876 | -0.191618762 |  | 23.6098239 | 0 |
| 511 | 0.19174477 | -0.191744774 |  | 23.6561631 | 0 |
| 512 | 0.20351408 | -0.20351408 |  | 23.7025023 | 0 |
| 513 | 0.20360229 | -0.203602289 |  | 23.7488415 | 0 |
| 514 | 0.19160931 | -0.191609311 |  | 23.7951807 | 0 |
| 515 | 0.22232458 | 0.777675418 |  | 23.8415199 | 0 |
| 516 | 0.19192434 | -0.191924342 |  | 23.8878591 | 0 |
| 517 | 0.19161246 | -0.191612461 |  | 23.9341983 | 0 |
| 518 | 0.19168177 | -0.191681768 |  | 23.9805375 | 0 |
| 519 | 0.19185188 | -0.191851885 |  | 24.0268767 | 0 |
| 520 | 0.19161876 | -0.191618762 |  | 24.0732159 | 0 |
| 521 | 0.20369365 | 0.796306352 |  | 24.1195551 | 0 |
| 522 | 0.19160931 | -0.191609311 |  | 24.1658943 | 0 |
| 523 | 0.19160616 | 0.808393839 |  | 24.2122335 | 0 |
| 524 | 0.19162821 | -0.191628213 |  | 24.2585728 | 0 |
| 525 | 0.19160616 | -0.191606161 |  | 24.304912 | 0 |
| 526 | 0.19226143 | -0.192261425 |  | 24.3512512 | 0 |
| 527 | 0.19187709 | 0.808122913 |  | 24.3975904 | 0 |
| 528 | 0.19172272 | -0.191722722 |  | 24.4439296 | 0 |
| 529 | 0.25251426 | 0.747485741 |  | 24.4902688 | 0 |
| 530 | 0.20361804 | -0.20361804 |  | 24.536608 | 0 |
| 531 | 0.19171012 | -0.191710121 |  | 24.5829472 | 0 |
| 532 | 0.19160616 | -0.191606161 |  | 24.6292864 | 0 |
| 533 | 0.19185504 | -0.191855035 |  | 24.6756256 | 0 |
| 534 | 0.19160616 | -0.191606161 |  | 24.7219648 | 0 |
| 535 | 0.19170067 | -0.19170067 |  | 24.768304 | 0 |
| 536 | 0.19161246 | -0.191612461 |  | 24.8146432 | 0 |
| 537 | 0.19165026 | -0.191650265 |  | 24.8609824 | 0 |
| 538 | 0.19333253 | 0.806667469 |  | 24.9073216 | 0 |
| 539 | 0.20445602 | -0.204456023 |  | 24.9536608 | 0 |
| 540 | 0.19191489 | 0.808085109 |  | 25 | 0 |
| 541 | 0.19183928 | -0.191839284 |  | 25.0463392 | 0 |
| 542 | 0.19209131 | 0.807908692 |  | 25.0926784 | 0 |
| 543 | 0.19174162 | -0.191741624 |  | 25.1390176 | 0 |
| 544 | 0.19163136 | 0.808368637 |  | 25.1853568 | 0 |
| 545 | 0.19161246 | -0.191612461 |  | 25.231696 | 0 |
| 546 | 0.19162191 | -0.191621912 |  | 25.2780352 | 0 |
| 547 | 0.19160616 | -0.191606161 |  | 25.3243744 | 0 |
| 548 | 0.19160616 | -0.191606161 |  | 25.3707136 | 0 |
| 549 | 0.19161246 | -0.191612461 |  | 25.4170528 | 0 |
| 550 | 0.19283163 | -0.192831631 |  | 25.463392 | 0 |
| 551 | 0.19162506 | -0.191625062 |  | 25.5097312 | 0 |
| 552 | 0.19274342 | 0.807256577 |  | 25.5560704 | 0 |
| 553 | 0.20290002 | -0.202900023 |  | 25.6024096 | 0 |
| 554 | 0.46775921 | -0.467759208 |  | 25.6487488 | 0 |
| 555 | 0.19160616 | -0.191606161 |  | 25.695088 | 0 |
| 556 | 0.19160616 | -0.191606161 |  | 25.7414272 | 0 |
| 557 | 0.19376727 | -0.193767273 |  | 25.7877665 | 0 |
| 558 | 0.19160616 | -0.191606161 |  | 25.8341057 | 0 |
| 559 | 0.19418626 | -0.194186265 |  | 25.8804449 | 0 |
| 560 | 0.2041788 | -0.204178795 |  | 25.9267841 | 0 |
| 561 | 0.20351093 | -0.20351093 |  | 25.9731233 | 0 |
| 562 | 0.21085456 | -0.210854556 |  | 26.0194625 | 0 |
| 563 | 0.27571452 | 0.72428548 |  | 26.0658017 | 0 |
| 564 | 0.19160616 | -0.191606161 |  | 26.1121409 | 0 |
| 565 | 0.19221102 | -0.19221102 |  | 26.1584801 | 0 |
| 566 | 0.19195584 | 0.808044155 |  | 26.2048193 | 0 |
| 567 | 0.19163451 | -0.191634513 |  | 26.2511585 | 0 |
| 568 | 0.19217637 | 0.807823633 |  | 26.2974977 | 0 |
| 569 | 0.20378186 | -0.203781856 |  | 26.3438369 | 0 |
| 570 | 0.19188339 | -0.191883388 |  | 26.3901761 | 0 |
| 571 | 0.19161246 | -0.191612461 |  | 26.4365153 | 0 |
| 572 | 0.19160616 | -0.191606161 |  | 26.4828545 | 0 |
| 573 | 0.19160616 | -0.191606161 |  | 26.5291937 | 0 |
| 574 | 0.19160616 | -0.191606161 |  | 26.5755329 | 0 |
| 575 | 0.19160616 | -0.191606161 |  | 26.6218721 | 0 |
| 576 | 0.19171327 | 0.808286729 |  | 26.6682113 | 0 |
| 577 | 0.19160616 | -0.191606161 |  | 26.7145505 | 0 |
| 578 | 0.19185504 | -0.191855035 |  | 26.7608897 | 0 |
| 579 | 0.19161561 | -0.191615611 |  | 26.8072289 | 0 |
| 580 | 0.19165657 | -0.191656566 |  | 26.8535681 | 0 |
| 581 | 0.19182353 | -0.191823532 |  | 26.8999073 | 0 |
| 582 | 0.19161246 | -0.191612461 |  | 26.9462465 | 0 |
| 583 | 0.19171327 | -0.191713271 |  | 26.9925857 | 0 |
| 584 | 0.19496754 | 0.805032458 |  | 27.0389249 | 0 |
| 585 | 0.19167547 | -0.191675467 |  | 27.0852641 | 0 |
| 586 | 0.19166287 | -0.191662866 |  | 27.1316033 | 0 |
| 587 | 0.19161246 | -0.191612461 |  | 27.1779425 | 0 |
| 588 | 0.19663091 | 0.803369095 |  | 27.2242817 | 0 |
| 589 | 0.20000174 | -0.200001737 |  | 27.2706209 | 0 |
| 590 | 0.19260481 | 0.807395191 |  | 27.3169601 | 0 |
| 591 | 0.19205035 | -0.192050354 |  | 27.3632994 | 0 |
| 592 | 0.2154409 | -0.215440901 |  | 27.4096386 | 0 |
| 593 | 0.19412326 | -0.194123258 |  | 27.4559778 | 0 |
| 594 | 0.19162821 | -0.191628213 |  | 27.502317 | 0 |
| 595 | 0.19161246 | 0.808387539 |  | 27.5486562 | 0 |
| 596 | 0.19160931 | -0.191609311 |  | 27.5949954 | 0 |
| 597 | 0.20354873 | -0.203548733 |  | 27.6413346 | 0 |
| 598 | 0.21549446 | -0.215494456 |  | 27.6876738 | 0 |
| 599 | 0.19160616 | -0.191606161 |  | 27.734013 | 0 |
| 600 | 0.19175423 | -0.191754225 |  | 27.7803522 | 0 |
| 601 | 0.26322064 | 0.736779357 |  | 27.8266914 | 0 |
| 602 | 0.19160616 | -0.191606161 |  | 27.8730306 | 0 |
| 603 | 0.19166602 | -0.191666016 |  | 27.9193698 | 0 |
| 604 | 0.19171957 | -0.191719572 |  | 27.965709 | 0 |
| 605 | 0.19161246 | 0.808387539 |  | 28.0120482 | 0 |
| 606 | 0.19465251 | 0.805347489 |  | 28.0583874 | 0 |
| 607 | 0.19174162 | -0.191741624 |  | 28.1047266 | 0 |
| 608 | 0.19160616 | -0.191606161 |  | 28.1510658 | 0 |
| 609 | 0.19163766 | 0.808362336 |  | 28.197405 | 0 |
| 610 | 0.19161561 | -0.191615611 |  | 28.2437442 | 0 |
| 611 | 0.28936456 | -0.289364561 |  | 28.2900834 | 0 |
| 612 | 0.19268672 | -0.192686717 |  | 28.3364226 | 0 |
| 613 | 0.19161876 | -0.191618762 |  | 28.3827618 | 0 |
| 614 | 0.21572758 | -0.215727579 |  | 28.429101 | 0 |
| 615 | 0.19169122 | -0.191691219 |  | 28.4754402 | 0 |
| 616 | 0.19160931 | -0.191609311 |  | 28.5217794 | 0 |
| 617 | 0.19258906 | -0.192589057 |  | 28.5681186 | 0 |
| 618 | 0.19160616 | 0.808393839 |  | 28.6144578 | 0 |
| 619 | 0.19162506 | -0.191625062 |  | 28.660797 | 0 |
| 620 | 0.19885187 | -0.198851874 |  | 28.7071362 | 0 |
| 621 | 0.19161246 | -0.191612461 |  | 28.7534754 | 0 |
| 622 | 0.19276232 | -0.192762324 |  | 28.7998146 | 0 |
| 623 | 0.19160616 | -0.191606161 |  | 28.8461538 | 0 |
| 624 | 0.19160616 | 0.808393839 |  | 28.892493 | 0 |
| 625 | 0.19162506 | -0.191625062 |  | 28.9388323 | 0 |
| 626 | 0.19326637 | 0.806733626 |  | 28.9851715 | 0 |
| 627 | 0.19160616 | -0.191606161 |  | 29.0315107 | 0 |
| 628 | 0.19160931 | -0.191609311 |  | 29.0778499 | 0 |
| 629 | 0.26132807 | 0.738671933 |  | 29.1241891 | 0 |
| 630 | 0.19163766 | -0.191637664 |  | 29.1705283 | 0 |
| 631 | 0.24061137 | -0.240611373 |  | 29.2168675 | 0 |
| 632 | 0.20367475 | -0.203674746 |  | 29.2632067 | 0 |
| 633 | 0.20354243 | -0.203542433 |  | 29.3095459 | 0 |
| 634 | 0.19169122 | 0.808308781 |  | 29.3558851 | 0 |
| 635 | 0.24002542 | -0.240025415 |  | 29.4022243 | 0 |
| 636 | 0.19160616 | 0.808393839 |  | 29.4485635 | 0 |
| 637 | 0.19163136 | -0.191631363 |  | 29.4949027 | 0 |
| 638 | 0.19164396 | -0.191643964 |  | 29.5412419 | 0 |
| 639 | 0.19222677 | -0.192226772 |  | 29.5875811 | 0 |
| 640 | 0.19177313 | -0.191773127 |  | 29.6339203 | 0 |
| 641 | 0.19161246 | 0.808387539 |  | 29.6802595 | 0 |
| 642 | 0.19160301 | 0.80839699 |  | 29.7265987 | 0 |
| 643 | 0.19161246 | -0.191612461 |  | 29.7729379 | 0 |
| 644 | 0.19161246 | -0.191612461 |  | 29.8192771 | 0 |
| 645 | 0.19166602 | -0.191666016 |  | 29.8656163 | 0 |
| 646 | 0.19164711 | -0.191647115 |  | 29.9119555 | 0 |
| 647 | 0.19182353 | -0.191823532 |  | 29.9582947 | 0 |
| 648 | 0.19182353 | -0.191823532 |  | 30.0046339 | 0 |
| 649 | 0.19179833 | 0.808201671 |  | 30.0509731 | 0 |
| 650 | 0.19161561 | 0.808384389 |  | 30.0973123 | 0 |
| 651 | 0.19166287 | -0.191662866 |  | 30.1436515 | 0 |
| 652 | 0.22960129 | 0.770398708 |  | 30.1899907 | 0 |
| 653 | 0.19162821 | -0.191628213 |  | 30.2363299 | 0 |
| 654 | 0.19162506 | 0.808374938 |  | 30.2826691 | 0 |
| 655 | 0.19183298 | -0.191832983 |  | 30.3290083 | 0 |
| 656 | 0.19160616 | -0.191606161 |  | 30.3753475 | 0 |
| 657 | 0.19768626 | 0.802313741 |  | 30.4216867 | 0 |
| 658 | 0.19312461 | 0.80687539 |  | 30.4680259 | 0 |
| 659 | 0.19165342 | -0.191653415 |  | 30.5143652 | 0 |
| 660 | 0.19162506 | -0.191625062 |  | 30.5607044 | 0 |
| 661 | 0.19173217 | -0.191732173 |  | 30.6070436 | 0 |
| 662 | 0.19160931 | -0.191609311 |  | 30.6533828 | 0 |
| 663 | 0.19161876 | -0.191618762 |  | 30.699722 | 0 |
| 664 | 0.21575908 | -0.215759082 |  | 30.7460612 | 0 |
| 665 | 0.19165342 | -0.191653415 |  | 30.7924004 | 0 |
| 666 | 0.19173532 | -0.191735323 |  | 30.8387396 | 0 |
| 667 | 0.19160616 | 0.808393839 |  | 30.8850788 | 0 |
| 668 | 0.19170382 | -0.19170382 |  | 30.931418 | 0 |
| 669 | 0.19161876 | -0.191618762 |  | 30.9777572 | 0 |
| 670 | 0.19176368 | 0.808236324 |  | 31.0240964 | 0 |
| 671 | 0.19409491 | -0.194094906 |  | 31.0704356 | 0 |
| 672 | 0.26606852 | -0.266068523 |  | 31.1167748 | 0 |
| 673 | 0.19160616 | -0.191606161 |  | 31.163114 | 0 |
| 674 | 0.19176368 | -0.191763676 |  | 31.2094532 | 0 |
| 675 | 0.1965805 | 0.8034195 |  | 31.2557924 | 0 |
| 676 | 0.19160616 | -0.191606161 |  | 31.3021316 | 0 |
| 677 | 0.20354558 | -0.203545583 |  | 31.3484708 | 0 |
| 678 | 0.19161876 | -0.191618762 |  | 31.39481 | 0 |
| 679 | 0.19234963 | 0.807650366 |  | 31.4411492 | 0 |
| 680 | 0.19176053 | -0.191760526 |  | 31.4874884 | 0 |
| 681 | 0.19163766 | 0.808362336 |  | 31.5338276 | 0 |
| 682 | 0.19160616 | 0.808393839 |  | 31.5801668 | 0 |
| 683 | 0.19166287 | -0.191662866 |  | 31.626506 | 0 |
| 684 | 0.19211336 | 0.807886639 |  | 31.6728452 | 0 |
| 685 | 0.19186449 | -0.191864486 |  | 31.7191844 | 0 |
| 686 | 0.19160616 | -0.191606161 |  | 31.7655236 | 0 |
| 687 | 0.19205665 | -0.192056655 |  | 31.8118628 | 0 |
| 688 | 0.19160616 | -0.191606161 |  | 31.858202 | 0 |
| 689 | 0.22228703 | 0.777712968 |  | 31.9045412 | 0 |
| 690 | 0.27259307 | 0.727406931 |  | 31.9508804 | 0 |
| 691 | 0.19269302 | -0.192693018 |  | 31.9972196 | 0 |
| 692 | 0.19187709 | -0.191877087 |  | 32.0435589 | 0 |
| 693 | 0.19190544 | -0.19190544 |  | 32.0898981 | 0 |
| 694 | 0.19160931 | -0.191609311 |  | 32.1362373 | 0 |
| 695 | 0.19162506 | -0.191625062 |  | 32.1825765 | 0 |
| 696 | 0.19161561 | -0.191615611 |  | 32.2289157 | 0 |
| 697 | 0.19160616 | -0.191606161 |  | 32.2752549 | 0 |
| 698 | 0.19162191 | -0.191621912 |  | 32.3215941 | 0 |
| 699 | 0.19272452 | -0.192724521 |  | 32.3679333 | 0 |
| 700 | 0.19161561 | -0.191615611 |  | 32.4142725 | 0 |
| 701 | 0.19165026 | -0.191650265 |  | 32.4606117 | 0 |
| 702 | 0.19161246 | -0.191612461 |  | 32.5069509 | 0 |
| 703 | 0.20360229 | 0.796397711 |  | 32.5532901 | 0 |
| 704 | 0.19164081 | -0.191640814 |  | 32.5996293 | 0 |
| 705 | 0.19160616 | -0.191606161 |  | 32.6459685 | 0 |
| 706 | 0.19160616 | -0.191606161 |  | 32.6923077 | 0 |
| 707 | 0.19160616 | -0.191606161 |  | 32.7386469 | 0 |
| 708 | 0.19924566 | 0.800754337 |  | 32.7849861 | 0 |
| 709 | 0.19162191 | 0.808378088 |  | 32.8313253 | 0 |
| 710 | 0.19160616 | -0.191606161 |  | 32.8776645 | 0 |
| 711 | 0.19165972 | 0.808340284 |  | 32.9240037 | 0 |
| 712 | 0.19174792 | -0.191747925 |  | 32.9703429 | 0 |
| 713 | 0.19167547 | -0.191675467 |  | 33.0166821 | 0 |
| 714 | 0.20305124 | -0.203051238 |  | 33.0630213 | 0 |
| 715 | 0.22910669 | -0.229106693 |  | 33.1093605 | 0 |
| 716 | 0.22748428 | -0.227484284 |  | 33.1556997 | 0 |
| 717 | 0.19161876 | -0.191618762 |  | 33.2020389 | 0 |
| 718 | 0.19232128 | -0.192321281 |  | 33.2483781 | 0 |
| 719 | 0.19182353 | 0.808176468 |  | 33.2947173 | 0 |
| 720 | 0.20378501 | -0.203785007 |  | 33.3410565 | 0 |
| 721 | 0.19160616 | -0.191606161 |  | 33.3873957 | 0 |
| 722 | 0.19166602 | -0.191666016 |  | 33.4337349 | 0 |
| 723 | 0.19170382 | -0.19170382 |  | 33.4800741 | 0 |
| 724 | 0.19165026 | -0.191650265 |  | 33.5264133 | 0 |
| 725 | 0.19160616 | -0.191606161 |  | 33.5727525 | 0 |
| 726 | 0.21553226 | 0.78446774 |  | 33.6190918 | 0 |
| 727 | 0.23422356 | -0.234223558 |  | 33.665431 | 0 |
| 728 | 0.19160301 | -0.19160301 |  | 33.7117702 | 0 |
| 729 | 0.19161246 | -0.191612461 |  | 33.7581094 | 0 |
| 730 | 0.19161876 | -0.191618762 |  | 33.8044486 | 0 |
| 731 | 0.19160616 | -0.191606161 |  | 33.8507878 | 0 |
| 732 | 0.33184222 | 0.668157778 |  | 33.897127 | 0 |
| 733 | 0.19161876 | -0.191618762 |  | 33.9434662 | 0 |
| 734 | 0.19194009 | -0.191940093 |  | 33.9898054 | 0 |
| 735 | 0.19243469 | -0.192434692 |  | 34.0361446 | 0 |
| 736 | 0.19165026 | 0.808349735 |  | 34.0824838 | 0 |
| 737 | 0.19179518 | -0.191795179 |  | 34.128823 | 0 |
| 738 | 0.19162191 | -0.191621912 |  | 34.1751622 | 0 |
| 739 | 0.19515341 | 0.80484659 |  | 34.2215014 | 0 |
| 740 | 0.19171327 | -0.191713271 |  | 34.2678406 | 0 |
| 741 | 0.19162821 | -0.191628213 |  | 34.3141798 | 0 |
| 742 | 0.19181723 | -0.191817231 |  | 34.360519 | 0 |
| 743 | 0.19161246 | -0.191612461 |  | 34.4068582 | 0 |
| 744 | 0.19160616 | -0.191606161 |  | 34.4531974 | 0 |
| 745 | 0.19160616 | -0.191606161 |  | 34.4995366 | 0 |
| 746 | 0.19296709 | 0.807032905 |  | 34.5458758 | 0 |
| 747 | 0.19209446 | -0.192094459 |  | 34.592215 | 0 |
| 748 | 0.20496952 | -0.204969523 |  | 34.6385542 | 0 |
| 749 | 0.19168177 | -0.191681768 |  | 34.6848934 | 0 |
| 750 | 0.19174162 | 0.808258376 |  | 34.7312326 | 0 |
| 751 | 0.19162506 | -0.191625062 |  | 34.7775718 | 0 |
| 752 | 0.1940823 | 0.805917696 |  | 34.823911 | 0 |
| 753 | 0.19319392 | -0.193193917 |  | 34.8702502 | 0 |
| 754 | 0.19160616 | 0.808393839 |  | 34.9165894 | 0 |
| 755 | 0.19162821 | -0.191628213 |  | 34.9629286 | 0 |
| 756 | 0.19164396 | -0.191643964 |  | 35.0092678 | 0 |
| 757 | 0.20353928 | -0.203539282 |  | 35.055607 | 0 |
| 758 | 0.19162191 | -0.191621912 |  | 35.1019462 | 0 |
| 759 | 0.6049781 | 0.395021896 |  | 35.1482854 | 0 |
| 760 | 0.19164396 | -0.191643964 |  | 35.1946247 | 0 |
| 761 | 0.19162506 | 0.808374938 |  | 35.2409639 | 0 |
| 762 | 0.19160616 | -0.191606161 |  | 35.2873031 | 0 |
| 763 | 0.19576457 | -0.19576457 |  | 35.3336423 | 0 |
| 764 | 0.19171957 | -0.191719572 |  | 35.3799815 | 0 |
| 765 | 0.19163136 | 0.808368637 |  | 35.4263207 | 0 |
| 766 | 0.19161246 | -0.191612461 |  | 35.4726599 | 0 |
| 767 | 0.3895361 | -0.389536099 |  | 35.5189991 | 0 |
| 768 | 0.22743388 | -0.227433879 |  | 35.5653383 | 0 |
| 769 | 0.19168492 | -0.191684918 |  | 35.6116775 | 0 |
| 770 | 0.19165026 | -0.191650265 |  | 35.6580167 | 0 |
| 771 | 0.19212596 | -0.192125962 |  | 35.7043559 | 0 |
| 772 | 0.19161246 | -0.191612461 |  | 35.7506951 | 0 |
| 773 | 0.19160616 | -0.191606161 |  | 35.7970343 | 0 |
| 774 | 0.20352038 | -0.20352038 |  | 35.8433735 | 0 |
| 775 | 0.19160616 | -0.191606161 |  | 35.8897127 | 0 |
| 776 | 0.19164396 | -0.191643964 |  | 35.9360519 | 0 |
| 777 | 0.19162506 | -0.191625062 |  | 35.9823911 | 0 |
| 778 | 0.20024116 | 0.799758839 |  | 36.0287303 | 0 |
| 779 | 0.19160616 | -0.191606161 |  | 36.0750695 | 0 |
| 780 | 0.19163451 | -0.191634513 |  | 36.1214087 | 0 |
| 781 | 0.1920283 | -0.192028302 |  | 36.1677479 | 0 |
| 782 | 0.19276232 | -0.192762324 |  | 36.2140871 | 0 |
| 783 | 0.19160931 | -0.191609311 |  | 36.2604263 | 0 |
| 784 | 0.25137573 | 0.74862427 |  | 36.3067655 | 0 |
| 785 | 0.19214801 | -0.192148014 |  | 36.3531047 | 0 |
| 786 | 0.19161246 | -0.191612461 |  | 36.3994439 | 0 |
| 787 | 0.19178888 | -0.191788879 |  | 36.4457831 | 0 |
| 788 | 0.22895863 | -0.228958629 |  | 36.4921223 | 0 |
| 789 | 0.2037661 | -0.203766105 |  | 36.5384615 | 0 |
| 790 | 0.19164396 | -0.191643964 |  | 36.5848007 | 0 |
| 791 | 0.19161876 | -0.191618762 |  | 36.6311399 | 0 |
| 792 | 0.19293874 | 0.807061258 |  | 36.6774791 | 0 |
| 793 | 0.19168177 | -0.191681768 |  | 36.7238184 | 0 |
| 794 | 0.19160616 | 0.808393839 |  | 36.7701576 | 0 |
| 795 | 0.19160616 | -0.191606161 |  | 36.8164968 | 0 |
| 796 | 0.19244414 | -0.192444143 |  | 36.862836 | 0 |
| 797 | 0.19286313 | 0.807136866 |  | 36.9091752 | 0 |
| 798 | 0.33504935 | -0.335049346 |  | 36.9555144 | 0 |
| 799 | 0.19162506 | 0.808374938 |  | 37.0018536 | 0 |
| 800 | 0.19160616 | -0.191606161 |  | 37.0481928 | 0 |
| 801 | 0.19160931 | 0.808390689 |  | 37.094532 | 0 |
| 802 | 0.19160616 | -0.191606161 |  | 37.1408712 | 0 |
| 803 | 0.19164396 | -0.191643964 |  | 37.1872104 | 0 |
| 804 | 0.19161246 | -0.191612461 |  | 37.2335496 | 0 |
| 805 | 0.19314981 | 0.806850187 |  | 37.2798888 | 0 |
| 806 | 0.19160616 | -0.191606161 |  | 37.326228 | 0 |
| 807 | 0.19160616 | -0.191606161 |  | 37.3725672 | 0 |
| 808 | 0.19162506 | 0.808374938 |  | 37.4189064 | 0 |
| 809 | 0.22031179 | -0.220311788 |  | 37.4652456 | 0 |
| 810 | 0.22181083 | -0.221810828 |  | 37.5115848 | 0 |
| 811 | 0.19160616 | -0.191606161 |  | 37.557924 | 0 |
| 812 | 0.19325062 | -0.193250623 |  | 37.6042632 | 0 |
| 813 | 0.19160616 | -0.191606161 |  | 37.6506024 | 0 |
| 814 | 0.19162821 | -0.191628213 |  | 37.6969416 | 0 |
| 815 | 0.19221417 | -0.19221417 |  | 37.7432808 | 0 |
| 816 | 0.19179203 | -0.191792029 |  | 37.78962 | 0 |
| 817 | 0.19233073 | -0.192330732 |  | 37.8359592 | 0 |
| 818 | 0.19177943 | -0.191779428 |  | 37.8822984 | 0 |
| 819 | 0.19261111 | -0.19261111 |  | 37.9286376 | 0 |
| 820 | 0.19161246 | -0.191612461 |  | 37.9749768 | 0 |
| 821 | 0.19180778 | -0.19180778 |  | 38.021316 | 0 |
| 822 | 0.19171957 | -0.191719572 |  | 38.0676552 | 0 |
| 823 | 0.19176053 | -0.191760526 |  | 38.1139944 | 0 |
| 824 | 0.19160616 | -0.191606161 |  | 38.1603336 | 0 |
| 825 | 0.19168807 | -0.191688069 |  | 38.2066728 | 0 |
| 826 | 0.19160616 | -0.191606161 |  | 38.253012 | 0 |
| 827 | 0.19160616 | -0.191606161 |  | 38.2993513 | 0 |
| 828 | 0.19187394 | 0.808126063 |  | 38.3456905 | 0 |
| 829 | 0.19161876 | -0.191618762 |  | 38.3920297 | 0 |
| 830 | 0.1940256 | -0.194025599 |  | 38.4383689 | 0 |
| 831 | 0.19166917 | -0.191669167 |  | 38.4847081 | 0 |
| 832 | 0.19160931 | -0.191609311 |  | 38.5310473 | 0 |
| 833 | 0.19282218 | -0.19282218 |  | 38.5773865 | 0 |
| 834 | 0.20224791 | -0.202247909 |  | 38.6237257 | 0 |
| 835 | 0.19409176 | 0.805908245 |  | 38.6700649 | 0 |
| 836 | 0.19160616 | 0.808393839 |  | 38.7164041 | 0 |
| 837 | 0.19160616 | -0.191606161 |  | 38.7627433 | 0 |
| 838 | 0.19190859 | -0.19190859 |  | 38.8090825 | 0 |
| 839 | 0.20355188 | -0.203551884 |  | 38.8554217 | 0 |
| 840 | 0.19160616 | -0.191606161 |  | 38.9017609 | 0 |
| 841 | 0.19171957 | -0.191719572 |  | 38.9481001 | 0 |
| 842 | 0.19178888 | -0.191788879 |  | 38.9944393 | 0 |
| 843 | 0.19169122 | -0.191691219 |  | 39.0407785 | 0 |
| 844 | 0.19275602 | -0.192756024 |  | 39.0871177 | 0 |
| 845 | 0.19186764 | -0.191867636 |  | 39.1334569 | 0 |
| 846 | 0.19160616 | -0.191606161 |  | 39.1797961 | 0 |
| 847 | 0.19160616 | -0.191606161 |  | 39.2261353 | 0 |
| 848 | 0.19255125 | -0.192551254 |  | 39.2724745 | 0 |
| 849 | 0.19188339 | -0.191883388 |  | 39.3188137 | 0 |
| 850 | 0.19325692 | -0.193256923 |  | 39.3651529 | 0 |
| 851 | 0.19160616 | -0.191606161 |  | 39.4114921 | 0 |
| 852 | 0.19165026 | -0.191650265 |  | 39.4578313 | 0 |
| 853 | 0.19375152 | -0.193751522 |  | 39.5041705 | 0 |
| 854 | 0.19257016 | 0.807429845 |  | 39.5505097 | 0 |
| 855 | 0.51474909 | 0.485250909 |  | 39.5968489 | 0 |
| 856 | 0.1960544 | 0.803945601 |  | 39.6431881 | 0 |
| 857 | 0.19243784 | -0.192437842 |  | 39.6895273 | 0 |
| 858 | 0.19218582 | -0.192185818 |  | 39.7358665 | 0 |
| 859 | 0.19163451 | 0.808365487 |  | 39.7822057 | 0 |
| 860 | 0.19160616 | -0.191606161 |  | 39.8285449 | 0 |
| 861 | 0.19171642 | -0.191716421 |  | 39.8748842 | 0 |
| 862 | 0.19171327 | -0.191713271 |  | 39.9212234 | 0 |
| 863 | 0.26890217 | 0.731097827 |  | 39.9675626 | 0 |
| 864 | 0.22517536 | 0.77482464 |  | 40.0139018 | 0 |
| 865 | 0.19161561 | -0.191615611 |  | 40.060241 | 0 |
| 866 | 0.19160616 | -0.191606161 |  | 40.1065802 | 0 |
| 867 | 0.19173217 | 0.808267827 |  | 40.1529194 | 0 |
| 868 | 0.19388699 | 0.806113015 |  | 40.1992586 | 0 |
| 869 | 0.19164711 | -0.191647115 |  | 40.2455978 | 0 |
| 870 | 0.21573073 | -0.21573073 |  | 40.291937 | 0 |
| 871 | 0.19161246 | -0.191612461 |  | 40.3382762 | 0 |
| 872 | 0.19161561 | 0.808384389 |  | 40.3846154 | 0 |
| 873 | 0.19170067 | -0.19170067 |  | 40.4309546 | 0 |
| 874 | 0.20354873 | 0.796451267 |  | 40.4772938 | 0 |
| 875 | 0.19161876 | -0.191618762 |  | 40.523633 | 0 |
| 876 | 0.19186764 | -0.191867636 |  | 40.5699722 | 0 |
| 877 | 0.1920409 | -0.192040903 |  | 40.6163114 | 0 |
| 878 | 0.19160616 | -0.191606161 |  | 40.6626506 | 0 |
| 879 | 0.19941263 | 0.800587371 |  | 40.7089898 | 0 |
| 880 | 0.20356133 | -0.203561335 |  | 40.755329 | 0 |
| 881 | 0.19161246 | -0.191612461 |  | 40.8016682 | 0 |
| 882 | 0.28746177 | -0.287461773 |  | 40.8480074 | 0 |
| 883 | 0.19210706 | -0.19210706 |  | 40.8943466 | 0 |
| 884 | 0.19161246 | -0.191612461 |  | 40.9406858 | 0 |
| 885 | 0.30007221 | 0.699927788 |  | 40.987025 | 0 |
| 886 | 0.19166287 | -0.191662866 |  | 41.0333642 | 0 |
| 887 | 0.19160616 | -0.191606161 |  | 41.0797034 | 0 |
| 888 | 0.19161246 | -0.191612461 |  | 41.1260426 | 0 |
| 889 | 0.23953397 | -0.239533967 |  | 41.1723818 | 0 |
| 890 | 0.19160616 | -0.191606161 |  | 41.218721 | 0 |
| 891 | 0.19358456 | 0.806415445 |  | 41.2650602 | 0 |
| 892 | 0.19194009 | -0.191940093 |  | 41.3113994 | 0 |
| 893 | 0.20354873 | -0.203548733 |  | 41.3577386 | 0 |
| 894 | 0.19160616 | -0.191606161 |  | 41.4040778 | 0 |
| 895 | 0.19160616 | -0.191606161 |  | 41.4504171 | 0 |
| 896 | 0.22864045 | -0.228640448 |  | 41.4967563 | 0 |
| 897 | 0.21462233 | 0.785377673 |  | 41.5430955 | 0 |
| 898 | 0.19160616 | -0.191606161 |  | 41.5894347 | 0 |
| 899 | 0.20351093 | -0.20351093 |  | 41.6357739 | 0 |
| 900 | 0.19161876 | -0.191618762 |  | 41.6821131 | 0 |
| 901 | 0.19205981 | -0.192059805 |  | 41.7284523 | 0 |
| 902 | 0.19160616 | -0.191606161 |  | 41.7747915 | 0 |
| 903 | 0.19163451 | -0.191634513 |  | 41.8211307 | 0 |
| 904 | 0.19184243 | -0.191842434 |  | 41.8674699 | 0 |
| 905 | 0.19163136 | -0.191631363 |  | 41.9138091 | 0 |
| 906 | 0.19161246 | -0.191612461 |  | 41.9601483 | 0 |
| 907 | 0.19161246 | -0.191612461 |  | 42.0064875 | 0 |
| 908 | 0.19160616 | -0.191606161 |  | 42.0528267 | 0 |
| 909 | 0.21623478 | -0.216234779 |  | 42.0991659 | 0 |
| 910 | 0.19203145 | -0.192031452 |  | 42.1455051 | 0 |
| 911 | 0.19162191 | -0.191621912 |  | 42.1918443 | 0 |
| 912 | 0.19160616 | -0.191606161 |  | 42.2381835 | 0 |
| 913 | 0.19162506 | -0.191625062 |  | 42.2845227 | 0 |
| 914 | 0.19188654 | -0.191886538 |  | 42.3308619 | 0 |
| 915 | 0.19161561 | -0.191615611 |  | 42.3772011 | 0 |
| 916 | 0.19267412 | -0.192674116 |  | 42.4235403 | 0 |
| 917 | 0.21545035 | -0.215450352 |  | 42.4698795 | 0 |
| 918 | 0.40443381 | 0.595566193 |  | 42.5162187 | 0 |
| 919 | 0.20466709 | -0.204667093 |  | 42.5625579 | 0 |
| 920 | 0.19458005 | -0.194580053 |  | 42.6088971 | 0 |
| 921 | 0.32716437 | -0.327164373 |  | 42.6552363 | 0 |
| 922 | 0.19191489 | -0.191914891 |  | 42.7015755 | 0 |
| 923 | 0.19161246 | -0.191612461 |  | 42.7479147 | 0 |
| 924 | 0.19240634 | 0.807593661 |  | 42.7942539 | 0 |
| 925 | 0.19160616 | -0.191606161 |  | 42.8405931 | 0 |
| 926 | 0.19204405 | -0.192044054 |  | 42.8869323 | 0 |
| 927 | 0.26872423 | -0.268724235 |  | 42.9332715 | 0 |
| 928 | 0.19196845 | 0.808031554 |  | 42.9796108 | 0 |
| 929 | 0.19163136 | -0.191631363 |  | 43.02595 | 0 |
| 930 | 0.19160616 | -0.191606161 |  | 43.0722892 | 0 |
| 931 | 0.19183298 | -0.191832983 |  | 43.1186284 | 0 |
| 932 | 0.19160616 | -0.191606161 |  | 43.1649676 | 0 |
| 933 | 0.19282218 | -0.19282218 |  | 43.2113068 | 0 |
| 934 | 0.19160616 | -0.191606161 |  | 43.257646 | 0 |
| 935 | 0.19191489 | -0.191914891 |  | 43.3039852 | 0 |
| 936 | 0.19164396 | -0.191643964 |  | 43.3503244 | 0 |
| 937 | 0.2403596 | -0.240359602 |  | 43.3966636 | 0 |
| 938 | 0.19258276 | -0.192582757 |  | 43.4430028 | 0 |
| 939 | 0.19170067 | -0.19170067 |  | 43.489342 | 0 |
| 940 | 0.19164396 | -0.191643964 |  | 43.5356812 | 0 |
| 941 | 0.19160616 | -0.191606161 |  | 43.5820204 | 0 |
| 942 | 0.2534121 | 0.746587902 |  | 43.6283596 | 0 |
| 943 | 0.19176053 | 0.808239474 |  | 43.6746988 | 0 |
| 944 | 0.19160616 | -0.191606161 |  | 43.721038 | 0 |
| 945 | 0.20351093 | -0.20351093 |  | 43.7673772 | 0 |
| 946 | 0.20356764 | -0.203567635 |  | 43.8137164 | 0 |
| 947 | 0.2676452 | 0.732354801 |  | 43.8600556 | 0 |
| 948 | 0.20397718 | 0.796022825 |  | 43.9063948 | 0 |
| 949 | 0.19160616 | -0.191606161 |  | 43.952734 | 0 |
| 950 | 0.19312461 | 0.80687539 |  | 43.9990732 | 0 |
| 951 | 0.19160616 | -0.191606161 |  | 44.0454124 | 0 |
| 952 | 0.19161876 | -0.191618762 |  | 44.0917516 | 0 |
| 953 | 0.19277178 | -0.192771775 |  | 44.1380908 | 0 |
| 954 | 0.28123386 | 0.718766137 |  | 44.18443 | 0 |
| 955 | 0.21576223 | 0.784237767 |  | 44.2307692 | 0 |
| 956 | 0.20734486 | 0.792655143 |  | 44.2771084 | 0 |
| 957 | 0.19165026 | 0.808349735 |  | 44.3234476 | 0 |
| 958 | 0.19168177 | -0.191681768 |  | 44.3697868 | 0 |
| 959 | 0.19165657 | -0.191656566 |  | 44.416126 | 0 |
| 960 | 0.19181723 | -0.191817231 |  | 44.4624652 | 0 |
| 961 | 0.19226458 | -0.192264575 |  | 44.5088044 | 0 |
| 962 | 0.19160616 | -0.191606161 |  | 44.5551437 | 0 |
| 963 | 0.27526403 | -0.275264025 |  | 44.6014829 | 0 |
| 964 | 0.19166602 | -0.191666016 |  | 44.6478221 | 0 |
| 965 | 0.19160616 | -0.191606161 |  | 44.6941613 | 0 |
| 966 | 0.19216377 | -0.192163765 |  | 44.7405005 | 0 |
| 967 | 0.19195584 | -0.191955845 |  | 44.7868397 | 0 |
| 968 | 0.21767813 | -0.217678128 |  | 44.8331789 | 0 |
| 969 | 0.19208501 | -0.192085008 |  | 44.8795181 | 0 |
| 970 | 0.19160616 | -0.191606161 |  | 44.9258573 | 0 |
| 971 | 0.19165026 | -0.191650265 |  | 44.9721965 | 0 |
| 972 | 0.21573703 | -0.21573703 |  | 45.0185357 | 0 |
| 973 | 0.22828131 | -0.228281312 |  | 45.0648749 | 0 |
| 974 | 0.19160616 | -0.191606161 |  | 45.1112141 | 0 |
| 975 | 0.19160616 | -0.191606161 |  | 45.1575533 | 0 |
| 976 | 0.19495809 | 0.805041909 |  | 45.2038925 | 0 |
| 977 | 0.19162506 | -0.191625062 |  | 45.2502317 | 0 |
| 978 | 0.19166917 | -0.191669167 |  | 45.2965709 | 0 |
| 979 | 0.2154472 | -0.215447202 |  | 45.3429101 | 0 |
| 980 | 0.19183298 | -0.191832983 |  | 45.3892493 | 0 |
| 981 | 0.19175107 | 0.808248925 |  | 45.4355885 | 0 |
| 982 | 0.19182668 | -0.191826682 |  | 45.4819277 | 0 |
| 983 | 0.22548724 | -0.22548724 |  | 45.5282669 | 0 |
| 984 | 0.19647339 | -0.19647339 |  | 45.5746061 | 0 |
| 985 | 0.19193064 | -0.191930643 |  | 45.6209453 | 0 |
| 986 | 0.19189599 | 0.808104011 |  | 45.6672845 | 0 |
| 987 | 0.19160616 | 0.808393839 |  | 45.7136237 | 0 |
| 988 | 0.19164711 | -0.191647115 |  | 45.7599629 | 0 |
| 989 | 0.21552596 | -0.215525959 |  | 45.8063021 | 0 |
| 990 | 0.19228663 | 0.807713372 |  | 45.8526413 | 0 |
| 991 | 0.19180778 | 0.80819222 |  | 45.8989805 | 0 |
| 992 | 0.19183928 | -0.191839284 |  | 45.9453197 | 0 |
| 993 | 0.19161561 | -0.191615611 |  | 45.9916589 | 0 |
| 994 | 0.19191804 | -0.191918041 |  | 46.0379981 | 0 |
| 995 | 0.30019507 | -0.300195074 |  | 46.0843373 | 0 |
| 996 | 0.1920409 | -0.192040903 |  | 46.1306766 | 0 |
| 997 | 0.20366845 | -0.203668445 |  | 46.1770158 | 0 |
| 998 | 0.20361804 | -0.20361804 |  | 46.223355 | 0 |
| 999 | 0.19160616 | -0.191606161 |  | 46.2696942 | 0 |
| 1000 | 0.19160616 | -0.191606161 |  | 46.3160334 | 0 |
| 1001 | 0.19163136 | -0.191631363 |  | 46.3623726 | 0 |
| 1002 | 0.19160616 | -0.191606161 |  | 46.4087118 | 0 |
| 1003 | 0.19160616 | 0.808393839 |  | 46.455051 | 0 |
| 1004 | 0.19203145 | 0.807968548 |  | 46.5013902 | 0 |
| 1005 | 0.19161876 | -0.191618762 |  | 46.5477294 | 0 |
| 1006 | 0.19969301 | -0.199693007 |  | 46.5940686 | 0 |
| 1007 | 0.19160301 | -0.19160301 |  | 46.6404078 | 0 |
| 1008 | 0.19172272 | -0.191722722 |  | 46.686747 | 0 |
| 1009 | 0.19161246 | -0.191612461 |  | 46.7330862 | 0 |
| 1010 | 0.19161246 | -0.191612461 |  | 46.7794254 | 0 |
| 1011 | 0.20358339 | 0.796416613 |  | 46.8257646 | 0 |
| 1012 | 0.19160616 | -0.191606161 |  | 46.8721038 | 0 |
| 1013 | 0.65694349 | 0.343056514 |  | 46.918443 | 0 |
| 1014 | 0.19161876 | -0.191618762 |  | 46.9647822 | 0 |
| 1015 | 0.19228978 | 0.807710222 |  | 47.0111214 | 0 |
| 1016 | 0.2154472 | -0.215447202 |  | 47.0574606 | 0 |
| 1017 | 0.19595989 | 0.804040111 |  | 47.1037998 | 0 |
| 1018 | 0.19272767 | -0.192727671 |  | 47.150139 | 0 |
| 1019 | 0.19160931 | -0.191609311 |  | 47.1964782 | 0 |
| 1020 | 0.19160616 | -0.191606161 |  | 47.2428174 | 0 |
| 1021 | 0.19166287 | -0.191662866 |  | 47.2891566 | 0 |
| 1022 | 0.19221102 | -0.19221102 |  | 47.3354958 | 0 |
| 1023 | 0.19160616 | -0.191606161 |  | 47.381835 | 0 |
| 1024 | 0.19163136 | -0.191631363 |  | 47.4281742 | 0 |
| 1025 | 0.26340966 | -0.263409661 |  | 47.4745134 | 0 |
| 1026 | 0.26334981 | -0.263349806 |  | 47.5208526 | 0 |
| 1027 | 0.19182353 | -0.191823532 |  | 47.5671918 | 0 |
| 1028 | 0.19182038 | -0.191820382 |  | 47.613531 | 0 |
| 1029 | 0.19161876 | -0.191618762 |  | 47.6598703 | 0 |
| 1030 | 0.19184873 | -0.191848734 |  | 47.7062095 | 0 |
| 1031 | 0.19162506 | 0.808374938 |  | 47.7525487 | 0 |
| 1032 | 0.19171957 | -0.191719572 |  | 47.7988879 | 0 |
| 1033 | 0.19160616 | -0.191606161 |  | 47.8452271 | 0 |
| 1034 | 0.19217007 | -0.192170066 |  | 47.8915663 | 0 |
| 1035 | 0.19222992 | -0.192229922 |  | 47.9379055 | 0 |
| 1036 | 0.19161561 | -0.191615611 |  | 47.9842447 | 0 |
| 1037 | 0.19160301 | -0.19160301 |  | 48.0305839 | 0 |
| 1038 | 0.26324269 | -0.263242695 |  | 48.0769231 | 0 |
| 1039 | 0.19162506 | 0.808374938 |  | 48.1232623 | 0 |
| 1040 | 0.19171957 | -0.191719572 |  | 48.1696015 | 0 |
| 1041 | 0.19160616 | -0.191606161 |  | 48.2159407 | 0 |
| 1042 | 0.19169437 | -0.191694369 |  | 48.2622799 | 0 |
| 1043 | 0.21635134 | -0.216351341 |  | 48.3086191 | 0 |
| 1044 | 0.19161246 | -0.191612461 |  | 48.3549583 | 0 |
| 1045 | 0.19160616 | -0.191606161 |  | 48.4012975 | 0 |
| 1046 | 0.37349182 | -0.373491822 |  | 48.4476367 | 0 |
| 1047 | 0.19240004 | -0.192400039 |  | 48.4939759 | 0 |
| 1048 | 0.19358141 | -0.193581405 |  | 48.5403151 | 0 |
| 1049 | 0.19165026 | -0.191650265 |  | 48.5866543 | 0 |
| 1050 | 0.19160616 | -0.191606161 |  | 48.6329935 | 0 |
| 1051 | 0.26345844 | 0.736541563 |  | 48.6793327 | 0 |
| 1052 | 0.19160616 | -0.191606161 |  | 48.7256719 | 0 |
| 1053 | 0.20038292 | 0.799617075 |  | 48.7720111 | 0 |
| 1054 | 0.19164396 | 0.808356036 |  | 48.8183503 | 0 |
| 1055 | 0.19259221 | -0.192592208 |  | 48.8646895 | 0 |
| 1056 | 0.19160301 | -0.19160301 |  | 48.9110287 | 0 |
| 1057 | 0.19160616 | -0.191606161 |  | 48.9573679 | 0 |
| 1058 | 0.19207871 | -0.192078707 |  | 49.0037071 | 0 |
| 1059 | 0.20366214 | 0.796337856 |  | 49.0500463 | 0 |
| 1060 | 0.19178888 | 0.808211121 |  | 49.0963855 | 0 |
| 1061 | 0.19167862 | -0.191678618 |  | 49.1427247 | 0 |
| 1062 | 0.20354243 | -0.203542433 |  | 49.1890639 | 0 |
| 1063 | 0.19175738 | -0.191757375 |  | 49.2354032 | 0 |
| 1064 | 0.19161561 | -0.191615611 |  | 49.2817424 | 0 |
| 1065 | 0.19169122 | 0.808308781 |  | 49.3280816 | 0 |
| 1066 | 0.19165026 | -0.191650265 |  | 49.3744208 | 0 |
| 1067 | 0.19161876 | -0.191618762 |  | 49.42076 | 0 |
| 1068 | 0.26386331 | -0.263863306 |  | 49.4670992 | 0 |
| 1069 | 0.19162191 | -0.191621912 |  | 49.5134384 | 0 |
| 1070 | 0.19176368 | 0.808236324 |  | 49.5597776 | 0 |
| 1071 | 0.2006633 | 0.799336697 |  | 49.6061168 | 0 |
| 1072 | 0.19397519 | 0.806024806 |  | 49.652456 | 0 |
| 1073 | 0.19160616 | -0.191606161 |  | 49.6987952 | 0 |
| 1074 | 0.19168807 | -0.191688069 |  | 49.7451344 | 0 |
| 1075 | 0.21545035 | -0.215450352 |  | 49.7914736 | 0 |
| 1076 | 0.19160616 | -0.191606161 |  | 49.8378128 | 0 |
| 1077 | 0.19188339 | -0.191883388 |  | 49.884152 | 0 |
| 1078 | 0.19160616 | 0.808393839 |  | 49.9304912 | 0 |
| 1079 | 0.19160616 | 0.808393839 |  | 49.9768304 | 0 |
| 1080 | 0.19161561 | -0.191615611 |  | 50.0231696 | 0 |
| 1081 | 0.19165657 | -0.191656566 |  | 50.0695088 | 0 |
| 1082 | 0.20278346 | -0.202783461 |  | 50.115848 | 0 |
| 1083 | 0.19160616 | 0.808393839 |  | 50.1621872 | 0 |
| 1084 | 0.19316871 | -0.193168714 |  | 50.2085264 | 0 |
| 1085 | 0.19161561 | -0.191615611 |  | 50.2548656 | 0 |
| 1086 | 0.19167862 | -0.191678618 |  | 50.3012048 | 0 |
| 1087 | 0.19172587 | -0.191725872 |  | 50.347544 | 0 |
| 1088 | 0.19176998 | 0.808230023 |  | 50.3938832 | 0 |
| 1089 | 0.19164396 | -0.191643964 |  | 50.4402224 | 0 |
| 1090 | 0.20359599 | -0.203595988 |  | 50.4865616 | 0 |
| 1091 | 0.19163766 | -0.191637664 |  | 50.5329008 | 0 |
| 1092 | 0.38889054 | 0.611109462 |  | 50.57924 | 0 |
| 1093 | 0.1919968 | -0.191996799 |  | 50.6255792 | 0 |
| 1094 | 0.19232128 | -0.192321281 |  | 50.6719184 | 0 |
| 1095 | 0.19160616 | -0.191606161 |  | 50.7182576 | 0 |
| 1096 | 0.19186134 | -0.191861336 |  | 50.7645968 | 0 |
| 1097 | 0.22851444 | -0.228514435 |  | 50.8109361 | 0 |
| 1098 | 0.19165657 | -0.191656566 |  | 50.8572753 | 0 |
| 1099 | 0.20353298 | -0.203532982 |  | 50.9036145 | 0 |
| 1100 | 0.19160616 | -0.191606161 |  | 50.9499537 | 0 |
| 1101 | 0.19160616 | -0.191606161 |  | 50.9962929 | 0 |
| 1102 | 0.23655088 | -0.236550877 |  | 51.0426321 | 0 |
| 1103 | 0.20353298 | -0.203532982 |  | 51.0889713 | 0 |
| 1104 | 0.19175738 | -0.191757375 |  | 51.1353105 | 0 |
| 1105 | 0.19188969 | 0.808110312 |  | 51.1816497 | 0 |
| 1106 | 0.19161561 | -0.191615611 |  | 51.2279889 | 0 |
| 1107 | 0.19195584 | -0.191955845 |  | 51.2743281 | 0 |
| 1108 | 0.19221102 | -0.19221102 |  | 51.3206673 | 0 |
| 1109 | 0.19165026 | -0.191650265 |  | 51.3670065 | 0 |
| 1110 | 0.19160301 | -0.19160301 |  | 51.4133457 | 0 |
| 1111 | 0.19182353 | -0.191823532 |  | 51.4596849 | 0 |
| 1112 | 0.19205981 | -0.192059805 |  | 51.5060241 | 0 |
| 1113 | 0.19163766 | -0.191637664 |  | 51.5523633 | 0 |
| 1114 | 0.19253865 | -0.192538652 |  | 51.5987025 | 0 |
| 1115 | 0.19166917 | -0.191669167 |  | 51.6450417 | 0 |
| 1116 | 0.19161246 | -0.191612461 |  | 51.6913809 | 0 |
| 1117 | 0.19170697 | -0.19170697 |  | 51.7377201 | 0 |
| 1118 | 0.19162506 | -0.191625062 |  | 51.7840593 | 0 |
| 1119 | 0.19161876 | -0.191618762 |  | 51.8303985 | 0 |
| 1120 | 0.19213226 | -0.192132262 |  | 51.8767377 | 0 |
| 1121 | 0.19160616 | -0.191606161 |  | 51.9230769 | 0 |
| 1122 | 0.19171327 | -0.191713271 |  | 51.9694161 | 0 |
| 1123 | 0.19178888 | -0.191788879 |  | 52.0157553 | 0 |
| 1124 | 0.19160616 | -0.191606161 |  | 52.0620945 | 0 |
| 1125 | 0.35905333 | 0.640946665 |  | 52.1084337 | 0 |
| 1126 | 0.19165657 | -0.191656566 |  | 52.1547729 | 0 |
| 1127 | 0.19160616 | -0.191606161 |  | 52.2011121 | 0 |
| 1128 | 0.19160616 | -0.191606161 |  | 52.2474513 | 0 |
| 1129 | 0.19174162 | -0.191741624 |  | 52.2937905 | 0 |
| 1130 | 0.19176053 | -0.191760526 |  | 52.3401297 | 0 |
| 1131 | 0.19176368 | -0.191763676 |  | 52.386469 | 0 |
| 1132 | 0.2396988 | -0.239698797 |  | 52.4328082 | 0 |
| 1133 | 0.20278031 | 0.797219689 |  | 52.4791474 | 0 |
| 1134 | 0.19170697 | -0.19170697 |  | 52.5254866 | 0 |
| 1135 | 0.19160301 | -0.19160301 |  | 52.5718258 | 0 |
| 1136 | 0.19160616 | 0.808393839 |  | 52.618165 | 0 |
| 1137 | 0.19175107 | -0.191751075 |  | 52.6645042 | 0 |
| 1138 | 0.19203145 | -0.192031452 |  | 52.7108434 | 0 |
| 1139 | 0.19426187 | 0.805738128 |  | 52.7571826 | 0 |
| 1140 | 0.19164396 | -0.191643964 |  | 52.8035218 | 0 |
| 1141 | 0.19165026 | -0.191650265 |  | 52.849861 | 0 |
| 1142 | 0.19165026 | -0.191650265 |  | 52.8962002 | 0 |
| 1143 | 0.19161246 | -0.191612461 |  | 52.9425394 | 0 |
| 1144 | 0.20353928 | -0.203539282 |  | 52.9888786 | 0 |
| 1145 | 0.21549131 | -0.215491306 |  | 53.0352178 | 0 |
| 1146 | 0.19634108 | -0.196341077 |  | 53.081557 | 0 |
| 1147 | 0.26374359 | -0.263743594 |  | 53.1278962 | 0 |
| 1148 | 0.19265206 | -0.192652064 |  | 53.1742354 | 0 |
| 1149 | 0.22741813 | -0.227418127 |  | 53.2205746 | 0 |
| 1150 | 0.19165657 | -0.191656566 |  | 53.2669138 | 0 |
| 1151 | 0.19174162 | -0.191741624 |  | 53.313253 | 0 |
| 1152 | 0.19209446 | -0.192094459 |  | 53.3595922 | 0 |
| 1153 | 0.2347489 | 0.765251101 |  | 53.4059314 | 0 |
| 1154 | 0.23452284 | -0.234522837 |  | 53.4522706 | 0 |
| 1155 | 0.19160616 | -0.191606161 |  | 53.4986098 | 0 |
| 1156 | 0.19173217 | -0.191732173 |  | 53.544949 | 0 |
| 1157 | 0.19266782 | -0.192667815 |  | 53.5912882 | 0 |
| 1158 | 0.26578185 | 0.734218155 |  | 53.6376274 | 0 |
| 1159 | 0.19162191 | -0.191621912 |  | 53.6839666 | 0 |
| 1160 | 0.19176053 | -0.191760526 |  | 53.7303058 | 0 |
| 1161 | 0.8727946 | 0.127205401 |  | 53.776645 | 0 |
| 1162 | 0.19162506 | -0.191625062 |  | 53.8229842 | 0 |
| 1163 | 0.19161246 | -0.191612461 |  | 53.8693234 | 0 |
| 1164 | 0.93656499 | -0.936564988 |  | 53.9156627 | 0 |
| 1165 | 0.19165972 | 0.808340284 |  | 53.9620019 | 0 |
| 1166 | 0.19698374 | -0.19698374 |  | 54.0083411 | 0 |
| 1167 | 0.19175423 | -0.191754225 |  | 54.0546803 | 0 |
| 1168 | 0.19646709 | -0.196467089 |  | 54.1010195 | 0 |
| 1169 | 0.19211021 | -0.19211021 |  | 54.1473587 | 0 |
| 1170 | 0.19171642 | -0.191716421 |  | 54.1936979 | 0 |
| 1171 | 0.19165342 | -0.191653415 |  | 54.2400371 | 0 |
| 1172 | 0.19160301 | -0.19160301 |  | 54.2863763 | 0 |
| 1173 | 0.19161246 | -0.191612461 |  | 54.3327155 | 0 |
| 1174 | 0.19160301 | -0.19160301 |  | 54.3790547 | 0 |
| 1175 | 0.19165342 | -0.191653415 |  | 54.4253939 | 0 |
| 1176 | 0.19181093 | -0.191810931 |  | 54.4717331 | 0 |
| 1177 | 0.19226773 | -0.192267726 |  | 54.5180723 | 0 |
| 1178 | 0.19745314 | 0.802546864 |  | 54.5644115 | 0 |
| 1179 | 0.19160616 | -0.191606161 |  | 54.6107507 | 0 |
| 1180 | 0.19237169 | 0.807628314 |  | 54.6570899 | 0 |
| 1181 | 0.20425755 | -0.204257553 |  | 54.7034291 | 0 |
| 1182 | 0.19247565 | -0.192475646 |  | 54.7497683 | 0 |
| 1183 | 0.19169752 | -0.19169752 |  | 54.7961075 | 0 |
| 1184 | 0.19164081 | -0.191640814 |  | 54.8424467 | 0 |
| 1185 | 0.19161876 | -0.191618762 |  | 54.8887859 | 0 |
| 1186 | 0.19166917 | -0.191669167 |  | 54.9351251 | 0 |
| 1187 | 0.19160616 | -0.191606161 |  | 54.9814643 | 0 |
| 1188 | 0.19171957 | -0.191719572 |  | 55.0278035 | 0 |
| 1189 | 0.20362119 | 0.79637881 |  | 55.0741427 | 0 |
| 1190 | 0.19162506 | -0.191625062 |  | 55.1204819 | 0 |
| 1191 | 0.19187709 | 0.808122913 |  | 55.1668211 | 0 |
| 1192 | 0.19294189 | 0.807058108 |  | 55.2131603 | 0 |
| 1193 | 0.20351408 | -0.20351408 |  | 55.2594995 | 0 |
| 1194 | 0.20389212 | -0.203892117 |  | 55.3058387 | 0 |
| 1195 | 0.19182038 | 0.808179618 |  | 55.3521779 | 0 |
| 1196 | 0.19162506 | -0.191625062 |  | 55.3985171 | 0 |
| 1197 | 0.19168177 | 0.808318232 |  | 55.4448563 | 0 |
| 1198 | 0.19161876 | -0.191618762 |  | 55.4911956 | 0 |
| 1199 | 0.19165026 | -0.191650265 |  | 55.5375348 | 0 |
| 1200 | 0.2154346 | -0.2154346 |  | 55.583874 | 0 |
| 1201 | 0.19362551 | -0.193625509 |  | 55.6302132 | 0 |
| 1202 | 0.19167547 | -0.191675467 |  | 55.6765524 | 0 |
| 1203 | 0.19643244 | -0.196432436 |  | 55.7228916 | 0 |
| 1204 | 0.19171327 | -0.191713271 |  | 55.7692308 | 0 |
| 1205 | 0.19243784 | -0.192437842 |  | 55.81557 | 0 |
| 1206 | 0.19160616 | -0.191606161 |  | 55.8619092 | 0 |
| 1207 | 0.19259851 | 0.807401492 |  | 55.9082484 | 0 |
| 1208 | 0.19160616 | 0.808393839 |  | 55.9545876 | 0 |
| 1209 | 0.19162506 | -0.191625062 |  | 56.0009268 | 0 |
| 1210 | 0.19160616 | -0.191606161 |  | 56.047266 | 0 |
| 1211 | 0.19161876 | -0.191618762 |  | 56.0936052 | 0 |
| 1212 | 0.19160616 | 0.808393839 |  | 56.1399444 | 0 |
| 1213 | 0.19267727 | -0.192677266 |  | 56.1862836 | 0 |
| 1214 | 0.19190229 | -0.19190229 |  | 56.2326228 | 0 |
| 1215 | 0.19168177 | -0.191681768 |  | 56.278962 | 0 |
| 1216 | 0.19160301 | -0.19160301 |  | 56.3253012 | 0 |
| 1217 | 0.19160616 | -0.191606161 |  | 56.3716404 | 0 |
| 1218 | 0.20353298 | -0.203532982 |  | 56.4179796 | 0 |
| 1219 | 0.21116644 | 0.788833563 |  | 56.4643188 | 0 |
| 1220 | 0.19171012 | -0.191710121 |  | 56.510658 | 0 |
| 1221 | 0.19160616 | -0.191606161 |  | 56.5569972 | 0 |
| 1222 | 0.19165026 | 0.808349735 |  | 56.6033364 | 0 |
| 1223 | 0.19173217 | -0.191732173 |  | 56.6496756 | 0 |
| 1224 | 0.19188654 | -0.191886538 |  | 56.6960148 | 0 |
| 1225 | 0.19166287 | 0.808337134 |  | 56.742354 | 0 |
| 1226 | 0.19170697 | -0.19170697 |  | 56.7886932 | 0 |
| 1227 | 0.19191489 | -0.191914891 |  | 56.8350324 | 0 |
| 1228 | 0.19438473 | -0.194384734 |  | 56.8813716 | 0 |
| 1229 | 0.19446034 | 0.805539658 |  | 56.9277108 | 0 |
| 1230 | 0.23618935 | 0.763810649 |  | 56.97405 | 0 |
| 1231 | 0.19161246 | -0.191612461 |  | 57.0203892 | 0 |
| 1232 | 0.19160616 | -0.191606161 |  | 57.0667285 | 0 |
| 1233 | 0.19163136 | -0.191631363 |  | 57.1130677 | 0 |
| 1234 | 0.19205665 | -0.192056655 |  | 57.1594069 | 0 |
| 1235 | 0.19188339 | -0.191883388 |  | 57.2057461 | 0 |
| 1236 | 0.19172587 | -0.191725872 |  | 57.2520853 | 0 |
| 1237 | 0.1920346 | -0.192034603 |  | 57.2984245 | 0 |
| 1238 | 0.19161561 | -0.191615611 |  | 57.3447637 | 0 |
| 1239 | 0.19160616 | 0.808393839 |  | 57.3911029 | 0 |
| 1240 | 0.19173217 | -0.191732173 |  | 57.4374421 | 0 |
| 1241 | 0.19160616 | -0.191606161 |  | 57.4837813 | 0 |
| 1242 | 0.21569923 | -0.215699226 |  | 57.5301205 | 0 |
| 1243 | 0.20394882 | -0.203948823 |  | 57.5764597 | 0 |
| 1244 | 0.40807933 | 0.591920668 |  | 57.6227989 | 0 |
| 1245 | 0.19166602 | -0.191666016 |  | 57.6691381 | 0 |
| 1246 | 0.19160616 | 0.808393839 |  | 57.7154773 | 0 |
| 1247 | 0.19160616 | -0.191606161 |  | 57.7618165 | 0 |
| 1248 | 0.19298915 | -0.192989147 |  | 57.8081557 | 0 |
| 1249 | 0.19163136 | 0.808368637 |  | 57.8544949 | 0 |
| 1250 | 0.20363694 | -0.203636942 |  | 57.9008341 | 0 |
| 1251 | 0.19266466 | -0.192664665 |  | 57.9471733 | 0 |
| 1252 | 0.19316556 | -0.193165564 |  | 57.9935125 | 0 |
| 1253 | 0.19160616 | -0.191606161 |  | 58.0398517 | 0 |
| 1254 | 0.19160616 | -0.191606161 |  | 58.0861909 | 0 |
| 1255 | 0.19162506 | -0.191625062 |  | 58.1325301 | 0 |
| 1256 | 0.19160616 | -0.191606161 |  | 58.1788693 | 0 |
| 1257 | 0.19161246 | -0.191612461 |  | 58.2252085 | 0 |
| 1258 | 0.20352353 | -0.203523531 |  | 58.2715477 | 0 |
| 1259 | 0.19160931 | -0.191609311 |  | 58.3178869 | 0 |
| 1260 | 0.19171327 | 0.808286729 |  | 58.3642261 | 0 |
| 1261 | 0.21552911 | -0.21552911 |  | 58.4105653 | 0 |
| 1262 | 0.19161246 | -0.191612461 |  | 58.4569045 | 0 |
| 1263 | 0.19165972 | -0.191659716 |  | 58.5032437 | 0 |
| 1264 | 0.20224161 | 0.797758392 |  | 58.5495829 | 0 |
| 1265 | 0.19161246 | -0.191612461 |  | 58.5959222 | 0 |
| 1266 | 0.19171642 | -0.191716421 |  | 58.6422614 | 0 |
| 1267 | 0.19163136 | -0.191631363 |  | 58.6886006 | 0 |
| 1268 | 0.19164396 | -0.191643964 |  | 58.7349398 | 0 |
| 1269 | 0.2037283 | -0.203728301 |  | 58.781279 | 0 |
| 1270 | 0.19163136 | -0.191631363 |  | 58.8276182 | 0 |
| 1271 | 0.19160616 | -0.191606161 |  | 58.8739574 | 0 |
| 1272 | 0.19165026 | -0.191650265 |  | 58.9202966 | 0 |
| 1273 | 0.19180148 | -0.19180148 |  | 58.9666358 | 0 |
| 1274 | 0.19160931 | -0.191609311 |  | 59.012975 | 0 |
| 1275 | 0.22743388 | -0.227433879 |  | 59.0593142 | 0 |
| 1276 | 0.19161876 | -0.191618762 |  | 59.1056534 | 0 |
| 1277 | 0.19267412 | -0.192674116 |  | 59.1519926 | 0 |
| 1278 | 0.19162191 | -0.191621912 |  | 59.1983318 | 0 |
| 1279 | 0.19160616 | -0.191606161 |  | 59.244671 | 0 |
| 1280 | 0.19161561 | -0.191615611 |  | 59.2910102 | 0 |
| 1281 | 0.19160616 | -0.191606161 |  | 59.3373494 | 0 |
| 1282 | 0.20378816 | -0.203788157 |  | 59.3836886 | 0 |
| 1283 | 0.2037661 | -0.203766105 |  | 59.4300278 | 0 |
| 1284 | 0.19160616 | -0.191606161 |  | 59.476367 | 0 |
| 1285 | 0.19161246 | 0.808387539 |  | 59.5227062 | 0 |
| 1286 | 0.20390472 | -0.203904718 |  | 59.5690454 | 0 |
| 1287 | 0.19195584 | -0.191955845 |  | 59.6153846 | 0 |
| 1288 | 0.19274027 | 0.807259728 |  | 59.6617238 | 0 |
| 1289 | 0.19165342 | 0.808346585 |  | 59.708063 | 0 |
| 1290 | 0.20630841 | -0.206308405 |  | 59.7544022 | 0 |
| 1291 | 0.19187709 | -0.191877087 |  | 59.8007414 | 0 |
| 1292 | 0.19168177 | -0.191681768 |  | 59.8470806 | 0 |
| 1293 | 0.19160616 | -0.191606161 |  | 59.8934198 | 0 |
| 1294 | 0.235679 | 0.764320999 |  | 59.939759 | 0 |
| 1295 | 0.19205035 | -0.192050354 |  | 59.9860982 | 0 |
| 1296 | 0.19179833 | 0.808201671 |  | 60.0324374 | 0 |
| 1297 | 0.19316241 | 0.806837586 |  | 60.0787766 | 0 |
| 1298 | 0.20364324 | -0.203643243 |  | 60.1251158 | 0 |
| 1299 | 0.19164081 | -0.191640814 |  | 60.1714551 | 0 |
| 1300 | 0.19161246 | -0.191612461 |  | 60.2177943 | 0 |
| 1301 | 0.19160616 | -0.191606161 |  | 60.2641335 | 0 |
| 1302 | 0.19160616 | -0.191606161 |  | 60.3104727 | 0 |
| 1303 | 0.20403073 | 0.795969269 |  | 60.3568119 | 0 |
| 1304 | 0.19175423 | -0.191754225 |  | 60.4031511 | 0 |
| 1305 | 0.19169752 | -0.19169752 |  | 60.4494903 | 0 |
| 1306 | 0.20079247 | -0.200792465 |  | 60.4958295 | 0 |
| 1307 | 0.19161246 | -0.191612461 |  | 60.5421687 | 0 |
| 1308 | 0.19188024 | -0.191880238 |  | 60.5885079 | 0 |
| 1309 | 0.21201992 | -0.212019918 |  | 60.6348471 | 0 |
| 1310 | 0.19474072 | 0.805259281 |  | 60.6811863 | 0 |
| 1311 | 0.19239059 | 0.807609412 |  | 60.7275255 | 0 |
| 1312 | 0.19217322 | 0.807826784 |  | 60.7738647 | 0 |
| 1313 | 0.20365269 | -0.203652694 |  | 60.8202039 | 0 |
| 1314 | 0.19481948 | -0.194819477 |  | 60.8665431 | 0 |
| 1315 | 0.19161876 | -0.191618762 |  | 60.9128823 | 0 |
| 1316 | 0.20358654 | -0.203586537 |  | 60.9592215 | 0 |
| 1317 | 0.19160616 | -0.191606161 |  | 61.0055607 | 0 |
| 1318 | 0.19547159 | 0.804528409 |  | 61.0518999 | 0 |
| 1319 | 0.19178258 | -0.191782578 |  | 61.0982391 | 0 |
| 1320 | 0.19880462 | -0.19880462 |  | 61.1445783 | 0 |
| 1321 | 0.19174477 | -0.191744774 |  | 61.1909175 | 0 |
| 1322 | 0.19344594 | 0.806554058 |  | 61.2372567 | 0 |
| 1323 | 0.19160616 | -0.191606161 |  | 61.2835959 | 0 |
| 1324 | 0.19161246 | -0.191612461 |  | 61.3299351 | 0 |
| 1325 | 0.19165026 | -0.191650265 |  | 61.3762743 | 0 |
| 1326 | 0.19164081 | -0.191640814 |  | 61.4226135 | 0 |
| 1327 | 0.19163136 | -0.191631363 |  | 61.4689527 | 0 |
| 1328 | 0.19162191 | 0.808378088 |  | 61.5152919 | 0 |
| 1329 | 0.19236539 | -0.192365385 |  | 61.5616311 | 0 |
| 1330 | 0.20351408 | -0.20351408 |  | 61.6079703 | 0 |
| 1331 | 0.19161246 | -0.191612461 |  | 61.6543095 | 0 |
| 1332 | 0.19333883 | 0.806661169 |  | 61.7006487 | 0 |
| 1333 | 0.19184873 | 0.808151266 |  | 61.746988 | 0 |
| 1334 | 0.19161246 | -0.191612461 |  | 61.7933272 | 0 |
| 1335 | 0.19160616 | -0.191606161 |  | 61.8396664 | 0 |
| 1336 | 0.19161246 | -0.191612461 |  | 61.8860056 | 0 |
| 1337 | 0.20353298 | -0.203532982 |  | 61.9323448 | 0 |
| 1338 | 0.19161561 | -0.191615611 |  | 61.978684 | 0 |
| 1339 | 0.19165657 | -0.191656566 |  | 62.0250232 | 0 |
| 1340 | 0.19167547 | 0.808324533 |  | 62.0713624 | 0 |
| 1341 | 0.1940004 | 0.805999604 |  | 62.1177016 | 0 |
| 1342 | 0.19160616 | -0.191606161 |  | 62.1640408 | 0 |
| 1343 | 0.19164081 | -0.191640814 |  | 62.21038 | 0 |
| 1344 | 0.19161246 | -0.191612461 |  | 62.2567192 | 0 |
| 1345 | 0.19163136 | -0.191631363 |  | 62.3030584 | 0 |
| 1346 | 0.19160616 | -0.191606161 |  | 62.3493976 | 0 |
| 1347 | 0.2154283 | -0.2154283 |  | 62.3957368 | 0 |
| 1348 | 0.19169437 | 0.808305631 |  | 62.442076 | 0 |
| 1349 | 0.19160931 | -0.191609311 |  | 62.4884152 | 0 |
| 1350 | 0.19186134 | -0.191861336 |  | 62.5347544 | 0 |
| 1351 | 0.19160616 | -0.191606161 |  | 62.5810936 | 0 |
| 1352 | 0.19166602 | -0.191666016 |  | 62.6274328 | 0 |
| 1353 | 0.19161246 | 0.808387539 |  | 62.673772 | 0 |
| 1354 | 0.19162191 | -0.191621912 |  | 62.7201112 | 0 |
| 1355 | 0.19170697 | -0.19170697 |  | 62.7664504 | 0 |
| 1356 | 0.19176998 | -0.191769977 |  | 62.8127896 | 0 |
| 1357 | 0.19183928 | -0.191839284 |  | 62.8591288 | 0 |
| 1358 | 0.19261426 | -0.19261426 |  | 62.905468 | 0 |
| 1359 | 0.1920283 | -0.192028302 |  | 62.9518072 | 0 |
| 1360 | 0.19165342 | -0.191653415 |  | 62.9981464 | 0 |
| 1361 | 0.26312613 | -0.263126134 |  | 63.0444856 | 0 |
| 1362 | 0.19160616 | -0.191606161 |  | 63.0908248 | 0 |
| 1363 | 0.25022713 | -0.250227134 |  | 63.137164 | 0 |
| 1364 | 0.19160931 | -0.191609311 |  | 63.1835032 | 0 |
| 1365 | 0.19160931 | 0.808390689 |  | 63.2298424 | 0 |
| 1366 | 0.19160931 | -0.191609311 |  | 63.2761816 | 0 |
| 1367 | 0.20760318 | -0.207603183 |  | 63.3225209 | 0 |
| 1368 | 0.19160616 | -0.191606161 |  | 63.3688601 | 0 |
| 1369 | 0.1920409 | -0.192040903 |  | 63.4151993 | 0 |
| 1370 | 0.19164081 | -0.191640814 |  | 63.4615385 | 0 |
| 1371 | 0.19173532 | -0.191735323 |  | 63.5078777 | 0 |
| 1372 | 0.19165342 | -0.191653415 |  | 63.5542169 | 0 |
| 1373 | 0.19234648 | -0.192346483 |  | 63.6005561 | 0 |
| 1374 | 0.27529553 | 0.724704471 |  | 63.6468953 | 0 |
| 1375 | 0.19201255 | 0.807987449 |  | 63.6932345 | 0 |
| 1376 | 0.19195269 | -0.191952695 |  | 63.7395737 | 0 |
| 1377 | 0.19160616 | -0.191606161 |  | 63.7859129 | 0 |
| 1378 | 0.19259536 | -0.192595358 |  | 63.8322521 | 0 |
| 1379 | 0.19164396 | -0.191643964 |  | 63.8785913 | 0 |
| 1380 | 0.1991354 | -0.199135402 |  | 63.9249305 | 0 |
| 1381 | 0.19345854 | -0.193458543 |  | 63.9712697 | 0 |
| 1382 | 0.19172587 | 0.808274128 |  | 64.0176089 | 0 |
| 1383 | 0.19165026 | -0.191650265 |  | 64.0639481 | 0 |
| 1384 | 0.19163136 | -0.191631363 |  | 64.1102873 | 0 |
| 1385 | 0.19165342 | 0.808346585 |  | 64.1566265 | 0 |
| 1386 | 0.19164396 | -0.191643964 |  | 64.2029657 | 0 |
| 1387 | 0.19162191 | -0.191621912 |  | 64.2493049 | 0 |
| 1388 | 0.19160931 | 0.808390689 |  | 64.2956441 | 0 |
| 1389 | 0.19240004 | -0.192400039 |  | 64.3419833 | 0 |
| 1390 | 0.19160616 | -0.191606161 |  | 64.3883225 | 0 |
| 1391 | 0.20356133 | 0.796438665 |  | 64.4346617 | 0 |
| 1392 | 0.19161246 | -0.191612461 |  | 64.4810009 | 0 |
| 1393 | 0.20392047 | -0.20392047 |  | 64.5273401 | 0 |
| 1394 | 0.19163766 | 0.808362336 |  | 64.5736793 | 0 |
| 1395 | 0.19162821 | -0.191628213 |  | 64.6200185 | 0 |
| 1396 | 0.19259851 | 0.807401492 |  | 64.6663577 | 0 |
| 1397 | 0.19176998 | 0.808230023 |  | 64.7126969 | 0 |
| 1398 | 0.19160616 | -0.191606161 |  | 64.7590361 | 0 |
| 1399 | 0.19161246 | -0.191612461 |  | 64.8053753 | 0 |
| 1400 | 0.19842658 | -0.198426582 |  | 64.8517146 | 0 |
| 1401 | 0.19165026 | -0.191650265 |  | 64.8980538 | 0 |
| 1402 | 0.46337398 | -0.463373976 |  | 64.944393 | 0 |
| 1403 | 0.20340407 | 0.796595928 |  | 64.9907322 | 0 |
| 1404 | 0.20411289 | 0.795887108 |  | 65.0370714 | 0 |
| 1405 | 0.2190165 | 0.780983497 |  | 65.0834106 | 0 |
| 1406 | 0.19160616 | -0.191606161 |  | 65.1297498 | 0 |
| 1407 | 0.21461918 | -0.214619177 |  | 65.176089 | 0 |
| 1408 | 0.19435323 | -0.194353231 |  | 65.2224282 | 0 |
| 1409 | 0.19166602 | -0.191666016 |  | 65.2687674 | 0 |
| 1410 | 0.22743073 | -0.227430728 |  | 65.3151066 | 0 |
| 1411 | 0.19160616 | -0.191606161 |  | 65.3614458 | 0 |
| 1412 | 0.19160616 | -0.191606161 |  | 65.407785 | 0 |
| 1413 | 0.19167232 | 0.808327683 |  | 65.4541242 | 0 |
| 1414 | 0.19160616 | -0.191606161 |  | 65.5004634 | 0 |
| 1415 | 0.19166287 | -0.191662866 |  | 65.5468026 | 0 |
| 1416 | 0.19617096 | -0.19617096 |  | 65.5931418 | 0 |
| 1417 | 0.24805266 | 0.751947341 |  | 65.639481 | 0 |
| 1418 | 0.19168807 | -0.191688069 |  | 65.6858202 | 0 |
| 1419 | 0.19161246 | -0.191612461 |  | 65.7321594 | 0 |
| 1420 | 0.19305845 | 0.806941546 |  | 65.7784986 | 0 |
| 1421 | 0.22737402 | -0.227374023 |  | 65.8248378 | 0 |
| 1422 | 0.19160616 | -0.191606161 |  | 65.871177 | 0 |
| 1423 | 0.19161876 | -0.191618762 |  | 65.9175162 | 0 |
| 1424 | 0.34025355 | 0.65974645 |  | 65.9638554 | 0 |
| 1425 | 0.19446034 | 0.805539658 |  | 66.0101946 | 0 |
| 1426 | 0.20427961 | -0.204279605 |  | 66.0565338 | 0 |
| 1427 | 0.19163136 | -0.191631363 |  | 66.102873 | 0 |
| 1428 | 0.19168807 | -0.191688069 |  | 66.1492122 | 0 |
| 1429 | 0.19160616 | -0.191606161 |  | 66.1955514 | 0 |
| 1430 | 0.19243784 | -0.192437842 |  | 66.2418906 | 0 |
| 1431 | 0.19160616 | -0.191606161 |  | 66.2882298 | 0 |
| 1432 | 0.19191489 | -0.191914891 |  | 66.334569 | 0 |
| 1433 | 0.19160616 | -0.191606161 |  | 66.3809082 | 0 |
| 1434 | 0.1924977 | -0.192497698 |  | 66.4272475 | 0 |
| 1435 | 0.19173847 | -0.191738474 |  | 66.4735867 | 0 |
| 1436 | 0.19167862 | -0.191678618 |  | 66.5199259 | 0 |
| 1437 | 0.19161246 | -0.191612461 |  | 66.5662651 | 0 |
| 1438 | 0.19172902 | -0.191729023 |  | 66.6126043 | 0 |
| 1439 | 0.19160616 | -0.191606161 |  | 66.6589435 | 0 |
| 1440 | 0.19162506 | -0.191625062 |  | 66.7052827 | 0 |
| 1441 | 0.19165342 | -0.191653415 |  | 66.7516219 | 0 |
| 1442 | 0.19186134 | -0.191861336 |  | 66.7979611 | 0 |
| 1443 | 0.19178888 | 0.808211121 |  | 66.8443003 | 0 |
| 1444 | 0.20357709 | -0.203577086 |  | 66.8906395 | 0 |
| 1445 | 0.19161246 | -0.191612461 |  | 66.9369787 | 0 |
| 1446 | 0.19160616 | -0.191606161 |  | 66.9833179 | 0 |
| 1447 | 0.1919716 | -0.191971597 |  | 67.0296571 | 0 |
| 1448 | 0.20361489 | -0.20361489 |  | 67.0759963 | 0 |
| 1449 | 0.19163766 | -0.191637664 |  | 67.1223355 | 0 |
| 1450 | 0.19165026 | -0.191650265 |  | 67.1686747 | 0 |
| 1451 | 0.20680011 | 0.793199893 |  | 67.2150139 | 0 |
| 1452 | 0.19167232 | -0.191672317 |  | 67.2613531 | 0 |
| 1453 | 0.19166287 | -0.191662866 |  | 67.3076923 | 0 |
| 1454 | 0.53276821 | 0.467231787 |  | 67.3540315 | 0 |
| 1455 | 0.19369167 | 0.806308334 |  | 67.4003707 | 0 |
| 1456 | 0.19163136 | -0.191631363 |  | 67.4467099 | 0 |
| 1457 | 0.22743703 | -0.227437029 |  | 67.4930491 | 0 |
| 1458 | 0.19160616 | 0.808393839 |  | 67.5393883 | 0 |
| 1459 | 0.19240004 | 0.807599961 |  | 67.5857275 | 0 |
| 1460 | 0.19167862 | 0.808321382 |  | 67.6320667 | 0 |
| 1461 | 0.19161246 | -0.191612461 |  | 67.6784059 | 0 |
| 1462 | 0.19161246 | 0.808387539 |  | 67.7247451 | 0 |
| 1463 | 0.20292208 | 0.797077925 |  | 67.7710843 | 0 |
| 1464 | 0.19160616 | -0.191606161 |  | 67.8174235 | 0 |
| 1465 | 0.19163136 | -0.191631363 |  | 67.8637627 | 0 |
| 1466 | 0.19160616 | -0.191606161 |  | 67.9101019 | 0 |
| 1467 | 0.19254495 | 0.807455047 |  | 67.9564411 | 0 |
| 1468 | 0.21581894 | -0.215818938 |  | 68.0027804 | 0 |
| 1469 | 0.19226143 | -0.192261425 |  | 68.0491196 | 0 |
| 1470 | 0.19161876 | -0.191618762 |  | 68.0954588 | 0 |
| 1471 | 0.19314036 | -0.193140362 |  | 68.141798 | 0 |
| 1472 | 0.19246304 | -0.192463045 |  | 68.1881372 | 0 |
| 1473 | 0.19160616 | -0.191606161 |  | 68.2344764 | 0 |
| 1474 | 0.19160616 | -0.191606161 |  | 68.2808156 | 0 |
| 1475 | 0.19165972 | 0.808340284 |  | 68.3271548 | 0 |
| 1476 | 0.19187394 | -0.191873937 |  | 68.373494 | 0 |
| 1477 | 0.19194954 | -0.191949544 |  | 68.4198332 | 0 |
| 1478 | 0.19161246 | 0.808387539 |  | 68.4661724 | 0 |
| 1479 | 0.19161246 | -0.191612461 |  | 68.5125116 | 0 |
| 1480 | 0.19160616 | -0.191606161 |  | 68.5588508 | 0 |
| 1481 | 0.19163136 | 0.808368637 |  | 68.60519 | 0 |
| 1482 | 0.19160616 | -0.191606161 |  | 68.6515292 | 0 |
| 1483 | 0.20471435 | -0.204714348 |  | 68.6978684 | 0 |
| 1484 | 0.20357079 | -0.203570785 |  | 68.7442076 | 0 |
| 1485 | 0.19161561 | 0.808384389 |  | 68.7905468 | 0 |
| 1486 | 0.19160616 | -0.191606161 |  | 68.836886 | 0 |
| 1487 | 0.19175423 | 0.808245775 |  | 68.8832252 | 0 |
| 1488 | 0.19162191 | -0.191621912 |  | 68.9295644 | 0 |
| 1489 | 0.19187709 | -0.191877087 |  | 68.9759036 | 0 |
| 1490 | 0.19208501 | -0.192085008 |  | 69.0222428 | 0 |
| 1491 | 0.19165026 | -0.191650265 |  | 69.068582 | 0 |
| 1492 | 0.19195269 | -0.191952695 |  | 69.1149212 | 0 |
| 1493 | 0.19180778 | -0.19180778 |  | 69.1612604 | 0 |
| 1494 | 0.20958158 | -0.209581577 |  | 69.2075996 | 0 |
| 1495 | 0.19226458 | -0.192264575 |  | 69.2539388 | 0 |
| 1496 | 0.19173532 | 0.808264677 |  | 69.300278 | 0 |
| 1497 | 0.19160616 | -0.191606161 |  | 69.3466172 | 0 |
| 1498 | 0.20491912 | -0.204919118 |  | 69.3929564 | 0 |
| 1499 | 0.1919842 | -0.191984198 |  | 69.4392956 | 0 |
| 1500 | 0.21551021 | -0.215510208 |  | 69.4856348 | 0 |
| 1501 | 0.33378546 | 0.666214544 |  | 69.5319741 | 0 |
| 1502 | 0.19233388 | 0.807666118 |  | 69.5783133 | 0 |
| 1503 | 0.19191489 | -0.191914891 |  | 69.6246525 | 0 |
| 1504 | 0.19346484 | -0.193464844 |  | 69.6709917 | 0 |
| 1505 | 0.19161246 | -0.191612461 |  | 69.7173309 | 0 |
| 1506 | 0.19224882 | -0.192248824 |  | 69.7636701 | 0 |
| 1507 | 0.19161246 | -0.191612461 |  | 69.8100093 | 0 |
| 1508 | 0.19166287 | -0.191662866 |  | 69.8563485 | 0 |
| 1509 | 0.19161246 | -0.191612461 |  | 69.9026877 | 0 |
| 1510 | 0.19974656 | -0.199746562 |  | 69.9490269 | 0 |
| 1511 | 0.19161876 | -0.191618762 |  | 69.9953661 | 0 |
| 1512 | 0.19176683 | -0.191766826 |  | 70.0417053 | 0 |
| 1513 | 0.19310256 | 0.806897442 |  | 70.0880445 | 0 |
| 1514 | 0.19162506 | -0.191625062 |  | 70.1343837 | 0 |
| 1515 | 0.19163136 | 0.808368637 |  | 70.1807229 | 0 |
| 1516 | 0.19164081 | -0.191640814 |  | 70.2270621 | 0 |
| 1517 | 0.19167547 | -0.191675467 |  | 70.2734013 | 0 |
| 1518 | 0.20364009 | -0.203640092 |  | 70.3197405 | 0 |
| 1519 | 0.65909645 | -0.659096452 |  | 70.3660797 | 0 |
| 1520 | 0.19163136 | -0.191631363 |  | 70.4124189 | 0 |
| 1521 | 0.20950622 | -0.209506223 |  | 70.4587581 | 0 |
| 1522 | 0.19161246 | -0.191612461 |  | 70.5050973 | 0 |
| 1523 | 0.19160931 | -0.191609311 |  | 70.5514365 | 0 |
| 1524 | 0.19160616 | -0.191606161 |  | 70.5977757 | 0 |
| 1525 | 0.19167547 | -0.191675467 |  | 70.6441149 | 0 |
| 1526 | 0.19161876 | -0.191618762 |  | 70.6904541 | 0 |
| 1527 | 0.2037031 | -0.203703098 |  | 70.7367933 | 0 |
| 1528 | 0.19160616 | -0.191606161 |  | 70.7831325 | 0 |
| 1529 | 0.19183613 | -0.191836133 |  | 70.8294717 | 0 |
| 1530 | 0.19186764 | -0.191867636 |  | 70.8758109 | 0 |
| 1531 | 0.19160616 | 0.808393839 |  | 70.9221501 | 0 |
| 1532 | 0.19160616 | -0.191606161 |  | 70.9684893 | 0 |
| 1533 | 0.19160616 | -0.191606161 |  | 71.0148285 | 0 |
| 1534 | 0.19161246 | -0.191612461 |  | 71.0611677 | 0 |
| 1535 | 0.19532038 | 0.804679624 |  | 71.107507 | 0 |
| 1536 | 0.19383343 | 0.80616657 |  | 71.1538462 | 0 |
| 1537 | 0.19163766 | -0.191637664 |  | 71.2001854 | 0 |
| 1538 | 0.19222047 | -0.192220471 |  | 71.2465246 | 0 |
| 1539 | 0.20362434 | -0.203624341 |  | 71.2928638 | 0 |
| 1540 | 0.19276863 | -0.192768625 |  | 71.339203 | 0 |
| 1541 | 0.19160616 | -0.191606161 |  | 71.3855422 | 0 |
| 1542 | 0.19268042 | -0.192680416 |  | 71.4318814 | 0 |
| 1543 | 0.19163136 | -0.191631363 |  | 71.4782206 | 0 |
| 1544 | 0.19229923 | 0.807700771 |  | 71.5245598 | 0 |
| 1545 | 0.19293874 | -0.192938742 |  | 71.570899 | 0 |
| 1546 | 0.19371372 | -0.193713718 |  | 71.6172382 | 0 |
| 1547 | 0.21380955 | -0.213809547 |  | 71.6635774 | 0 |
| 1548 | 0.20649453 | 0.793505473 |  | 71.7099166 | 0 |
| 1549 | 0.19172902 | 0.808270977 |  | 71.7562558 | 0 |
| 1550 | 0.19223622 | 0.807763777 |  | 71.802595 | 0 |
| 1551 | 0.19228348 | 0.807716523 |  | 71.8489342 | 0 |
| 1552 | 0.19229923 | -0.192299229 |  | 71.8952734 | 0 |
| 1553 | 0.19162821 | -0.191628213 |  | 71.9416126 | 0 |
| 1554 | 0.19161246 | -0.191612461 |  | 71.9879518 | 0 |
| 1555 | 0.19714441 | 0.802855594 |  | 72.034291 | 0 |
| 1556 | 0.19160616 | -0.191606161 |  | 72.0806302 | 0 |
| 1557 | 0.20056879 | 0.799431207 |  | 72.1269694 | 0 |
| 1558 | 0.19162506 | -0.191625062 |  | 72.1733086 | 0 |
| 1559 | 0.19165657 | -0.191656566 |  | 72.2196478 | 0 |
| 1560 | 0.19230238 | 0.807697621 |  | 72.265987 | 0 |
| 1561 | 0.19164081 | -0.191640814 |  | 72.3123262 | 0 |
| 1562 | 0.19321912 | -0.193219119 |  | 72.3586654 | 0 |
| 1563 | 0.19177943 | -0.191779428 |  | 72.4050046 | 0 |
| 1564 | 0.19227403 | -0.192274026 |  | 72.4513438 | 0 |
| 1565 | 0.19169437 | -0.191694369 |  | 72.497683 | 0 |
| 1566 | 0.23935755 | -0.23935755 |  | 72.5440222 | 0 |
| 1567 | 0.191959 | 0.808041005 |  | 72.5903614 | 0 |
| 1568 | 0.19182353 | -0.191823532 |  | 72.6367006 | 0 |
| 1569 | 0.19178573 | -0.191785728 |  | 72.6830399 | 0 |
| 1570 | 0.19174162 | -0.191741624 |  | 72.7293791 | 0 |
| 1571 | 0.19181093 | 0.808189069 |  | 72.7757183 | 0 |
| 1572 | 0.19183298 | -0.191832983 |  | 72.8220575 | 0 |
| 1573 | 0.19202515 | 0.807974848 |  | 72.8683967 | 0 |
| 1574 | 0.20414414 | 0.795855858 |  | 72.9147359 | 0 |
| 1575 | 0.19253235 | 0.807467648 |  | 72.9610751 | 0 |
| 1576 | 0.19162506 | -0.191625062 |  | 73.0074143 | 0 |
| 1577 | 0.19176998 | -0.191769977 |  | 73.0537535 | 0 |
| 1578 | 0.19173217 | -0.191732173 |  | 73.1000927 | 0 |
| 1579 | 0.25127807 | -0.25127807 |  | 73.1464319 | 0 |
| 1580 | 0.19160616 | -0.191606161 |  | 73.1927711 | 0 |
| 1581 | 0.19162191 | -0.191621912 |  | 73.2391103 | 0 |
| 1582 | 0.19186764 | 0.808132364 |  | 73.2854495 | 0 |
| 1583 | 0.19193694 | -0.191936943 |  | 73.3317887 | 0 |
| 1584 | 0.2399057 | 0.760094296 |  | 73.3781279 | 0 |
| 1585 | 0.27849487 | -0.278494868 |  | 73.4244671 | 0 |
| 1586 | 0.26331515 | -0.263315152 |  | 73.4708063 | 0 |
| 1587 | 0.31614509 | -0.316145095 |  | 73.5171455 | 0 |
| 1588 | 0.1919716 | -0.191971597 |  | 73.5634847 | 0 |
| 1589 | 0.19201255 | 0.807987449 |  | 73.6098239 | 0 |
| 1590 | 0.19183928 | -0.191839284 |  | 73.6561631 | 0 |
| 1591 | 0.20351408 | -0.20351408 |  | 73.7025023 | 0 |
| 1592 | 0.19161876 | -0.191618762 |  | 73.7488415 | 0 |
| 1593 | 0.19160616 | -0.191606161 |  | 73.7951807 | 0 |
| 1594 | 0.19161246 | -0.191612461 |  | 73.8415199 | 0 |
| 1595 | 0.19185819 | -0.191858185 |  | 73.8878591 | 0 |
| 1596 | 0.19165342 | -0.191653415 |  | 73.9341983 | 0 |
| 1597 | 0.19942838 | 0.800571619 |  | 73.9805375 | 0 |
| 1598 | 0.19175738 | -0.191757375 |  | 74.0268767 | 0 |
| 1599 | 0.19186134 | -0.191861336 |  | 74.0732159 | 0 |
| 1600 | 0.1920535 | -0.192053505 |  | 74.1195551 | 0 |
| 1601 | 0.19161876 | -0.191618762 |  | 74.1658943 | 0 |
| 1602 | 0.19221417 | -0.19221417 |  | 74.2122335 | 0 |
| 1603 | 0.21689055 | 0.783109449 |  | 74.2585728 | 0 |
| 1604 | 0.19214801 | -0.192148014 |  | 74.304912 | 0 |
| 1605 | 0.19172587 | -0.191725872 |  | 74.3512512 | 0 |
| 1606 | 0.19161246 | -0.191612461 |  | 74.3975904 | 0 |
| 1607 | 0.19165026 | -0.191650265 |  | 74.4439296 | 0 |
| 1608 | 0.19160616 | -0.191606161 |  | 74.4902688 | 0 |
| 1609 | 0.19169122 | -0.191691219 |  | 74.536608 | 0 |
| 1610 | 0.20438042 | -0.204380415 |  | 74.5829472 | 0 |
| 1611 | 0.19161246 | -0.191612461 |  | 74.6292864 | 0 |
| 1612 | 0.19161246 | -0.191612461 |  | 74.6756256 | 0 |
| 1613 | 0.19213541 | -0.192135413 |  | 74.7219648 | 0 |
| 1614 | 0.19161876 | -0.191618762 |  | 74.768304 | 0 |
| 1615 | 0.19161246 | -0.191612461 |  | 74.8146432 | 0 |
| 1616 | 0.19160616 | -0.191606161 |  | 74.8609824 | 0 |
| 1617 | 0.19171642 | 0.808283579 |  | 74.9073216 | 0 |
| 1618 | 0.19176683 | -0.191766826 |  | 74.9536608 | 0 |
| 1619 | 0.19161246 | -0.191612461 |  | 75 | 0 |
| 1620 | 0.20553973 | -0.205539729 |  | 75.0463392 | 0 |
| 1621 | 0.19222047 | -0.192220471 |  | 75.0926784 | 0 |
| 1622 | 0.19162821 | -0.191628213 |  | 75.1390176 | 0 |
| 1623 | 0.19169752 | -0.19169752 |  | 75.1853568 | 0 |
| 1624 | 0.19161876 | -0.191618762 |  | 75.231696 | 0 |
| 1625 | 0.19160931 | -0.191609311 |  | 75.2780352 | 0 |
| 1626 | 0.19161246 | 0.808387539 |  | 75.3243744 | 0 |
| 1627 | 0.19164081 | -0.191640814 |  | 75.3707136 | 0 |
| 1628 | 0.19161246 | 0.808387539 |  | 75.4170528 | 0 |
| 1629 | 0.19163766 | -0.191637664 |  | 75.463392 | 0 |
| 1630 | 0.19170067 | 0.80829933 |  | 75.5097312 | 0 |
| 1631 | 0.19161876 | 0.808381238 |  | 75.5560704 | 0 |
| 1632 | 0.19180778 | -0.19180778 |  | 75.6024096 | 0 |
| 1633 | 0.19433118 | -0.194331179 |  | 75.6487488 | 0 |
| 1634 | 0.2037283 | -0.203728301 |  | 75.695088 | 0 |
| 1635 | 0.19166287 | -0.191662866 |  | 75.7414272 | 0 |
| 1636 | 0.19173847 | -0.191738474 |  | 75.7877665 | 0 |
| 1637 | 0.19176998 | -0.191769977 |  | 75.8341057 | 0 |
| 1638 | 0.19180148 | -0.19180148 |  | 75.8804449 | 0 |
| 1639 | 0.19160616 | 0.808393839 |  | 75.9267841 | 0 |
| 1640 | 0.19949454 | 0.800505463 |  | 75.9731233 | 0 |
| 1641 | 0.19175738 | 0.808242625 |  | 76.0194625 | 0 |
| 1642 | 0.19165657 | -0.191656566 |  | 76.0658017 | 0 |
| 1643 | 0.19160616 | -0.191606161 |  | 76.1121409 | 0 |
| 1644 | 0.19217952 | -0.192179517 |  | 76.1584801 | 0 |
| 1645 | 0.19160616 | -0.191606161 |  | 76.2048193 | 0 |
| 1646 | 0.19169122 | -0.191691219 |  | 76.2511585 | 0 |
| 1647 | 0.19160616 | -0.191606161 |  | 76.2974977 | 0 |
| 1648 | 0.19172902 | -0.191729023 |  | 76.3438369 | 0 |
| 1649 | 0.2154661 | -0.215466104 |  | 76.3901761 | 0 |
| 1650 | 0.1930301 | -0.193030101 |  | 76.4365153 | 0 |
| 1651 | 0.22781822 | 0.772181783 |  | 76.4828545 | 0 |
| 1652 | 0.19161246 | -0.191612461 |  | 76.5291937 | 0 |
| 1653 | 0.19173217 | -0.191732173 |  | 76.5755329 | 0 |
| 1654 | 0.19160616 | -0.191606161 |  | 76.6218721 | 0 |
| 1655 | 0.2037157 | 0.7962843 |  | 76.6682113 | 0 |
| 1656 | 0.19163136 | -0.191631363 |  | 76.7145505 | 0 |
| 1657 | 0.19160616 | -0.191606161 |  | 76.7608897 | 0 |
| 1658 | 0.19164081 | -0.191640814 |  | 76.8072289 | 0 |
| 1659 | 0.23942371 | -0.239423706 |  | 76.8535681 | 0 |
| 1660 | 0.32671037 | -0.326710367 |  | 76.8999073 | 0 |
| 1661 | 0.19174792 | -0.191747925 |  | 76.9462465 | 0 |
| 1662 | 0.19186134 | -0.191861336 |  | 76.9925857 | 0 |
| 1663 | 0.19163451 | -0.191634513 |  | 77.0389249 | 0 |
| 1664 | 0.19173217 | -0.191732173 |  | 77.0852641 | 0 |
| 1665 | 0.19160616 | -0.191606161 |  | 77.1316033 | 0 |
| 1666 | 0.19518491 | 0.804815087 |  | 77.1779425 | 0 |
| 1667 | 0.19177628 | 0.808223723 |  | 77.2242817 | 0 |
| 1668 | 0.19168492 | -0.191684918 |  | 77.2706209 | 0 |
| 1669 | 0.20355188 | -0.203551884 |  | 77.3169601 | 0 |
| 1670 | 0.19265206 | -0.192652064 |  | 77.3632994 | 0 |
| 1671 | 0.19161246 | -0.191612461 |  | 77.4096386 | 0 |
| 1672 | 0.19234018 | -0.192340183 |  | 77.4559778 | 0 |
| 1673 | 0.19160616 | -0.191606161 |  | 77.502317 | 0 |
| 1674 | 0.20351408 | -0.20351408 |  | 77.5486562 | 0 |
| 1675 | 0.19160616 | -0.191606161 |  | 77.5949954 | 0 |
| 1676 | 0.19168177 | -0.191681768 |  | 77.6413346 | 0 |
| 1677 | 0.19699949 | 0.803000508 |  | 77.6876738 | 0 |
| 1678 | 0.19179833 | -0.191798329 |  | 77.734013 | 0 |
| 1679 | 0.19161246 | -0.191612461 |  | 77.7803522 | 0 |
| 1680 | 0.19216377 | -0.192163765 |  | 77.8266914 | 0 |
| 1681 | 0.19171642 | -0.191716421 |  | 77.8730306 | 0 |
| 1682 | 0.19165657 | 0.808343434 |  | 77.9193698 | 0 |
| 1683 | 0.19162821 | -0.191628213 |  | 77.965709 | 0 |
| 1684 | 0.19160616 | -0.191606161 |  | 78.0120482 | 0 |
| 1685 | 0.19163451 | -0.191634513 |  | 78.0583874 | 0 |
| 1686 | 0.19160616 | -0.191606161 |  | 78.1047266 | 0 |
| 1687 | 0.19186449 | -0.191864486 |  | 78.1510658 | 0 |
| 1688 | 0.19165026 | -0.191650265 |  | 78.197405 | 0 |
| 1689 | 0.19160616 | -0.191606161 |  | 78.2437442 | 0 |
| 1690 | 0.19273082 | -0.192730821 |  | 78.2900834 | 0 |
| 1691 | 0.20354243 | -0.203542433 |  | 78.3364226 | 0 |
| 1692 | 0.19214486 | -0.192144864 |  | 78.3827618 | 0 |
| 1693 | 0.19162506 | -0.191625062 |  | 78.429101 | 0 |
| 1694 | 0.19248825 | -0.192488247 |  | 78.4754402 | 0 |
| 1695 | 0.19269302 | 0.807306982 |  | 78.5217794 | 0 |
| 1696 | 0.19175107 | -0.191751075 |  | 78.5681186 | 0 |
| 1697 | 0.23943316 | -0.239433157 |  | 78.6144578 | 0 |
| 1698 | 0.19237799 | 0.807622013 |  | 78.660797 | 0 |
| 1699 | 0.19172902 | -0.191729023 |  | 78.7071362 | 0 |
| 1700 | 0.19358456 | -0.193584555 |  | 78.7534754 | 0 |
| 1701 | 0.1919716 | -0.191971597 |  | 78.7998146 | 0 |
| 1702 | 0.19162506 | -0.191625062 |  | 78.8461538 | 0 |
| 1703 | 0.19162191 | -0.191621912 |  | 78.892493 | 0 |
| 1704 | 0.19189914 | 0.808100861 |  | 78.9388323 | 0 |
| 1705 | 0.19160616 | -0.191606161 |  | 78.9851715 | 0 |
| 1706 | 0.19161246 | -0.191612461 |  | 79.0315107 | 0 |
| 1707 | 0.19162821 | -0.191628213 |  | 79.0778499 | 0 |
| 1708 | 0.19171642 | -0.191716421 |  | 79.1241891 | 0 |
| 1709 | 0.19161246 | -0.191612461 |  | 79.1705283 | 0 |
| 1710 | 0.19165026 | 0.808349735 |  | 79.2168675 | 0 |
| 1711 | 0.2159229 | 0.784077102 |  | 79.2632067 | 0 |
| 1712 | 0.19160616 | -0.191606161 |  | 79.3095459 | 0 |
| 1713 | 0.19173847 | -0.191738474 |  | 79.3558851 | 0 |
| 1714 | 0.19166287 | -0.191662866 |  | 79.4022243 | 0 |
| 1715 | 0.19161876 | -0.191618762 |  | 79.4485635 | 0 |
| 1716 | 0.19182038 | 0.808179618 |  | 79.4949027 | 0 |
| 1717 | 0.19160616 | -0.191606161 |  | 79.5412419 | 0 |
| 1718 | 0.19160301 | -0.19160301 |  | 79.5875811 | 0 |
| 1719 | 0.19358141 | -0.193581405 |  | 79.6339203 | 0 |
| 1720 | 0.19161246 | -0.191612461 |  | 79.6802595 | 0 |
| 1721 | 0.20765989 | 0.792340112 |  | 79.7265987 | 0 |
| 1722 | 0.45067341 | 0.549326591 |  | 79.7729379 | 0 |
| 1723 | 0.1919779 | 0.808022103 |  | 79.8192771 | 1 |
| 1724 | 0.19161246 | -0.191612461 |  | 79.8656163 | 1 |
| 1725 | 0.23954657 | -0.239546568 |  | 79.9119555 | 1 |
| 1726 | 0.19186449 | -0.191864486 |  | 79.9582947 | 1 |
| 1727 | 0.1919968 | 0.808003201 |  | 80.0046339 | 1 |
| 1728 | 0.26322379 | -0.263223793 |  | 80.0509731 | 1 |
| 1729 | 0.19166287 | -0.191662866 |  | 80.0973123 | 1 |
| 1730 | 0.19491399 | -0.194913986 |  | 80.1436515 | 1 |
| 1731 | 0.19161246 | -0.191612461 |  | 80.1899907 | 1 |
| 1732 | 0.21574963 | -0.215749631 |  | 80.2363299 | 1 |
| 1733 | 0.19169437 | -0.191694369 |  | 80.2826691 | 1 |
| 1734 | 0.19163136 | -0.191631363 |  | 80.3290083 | 1 |
| 1735 | 0.19165657 | -0.191656566 |  | 80.3753475 | 1 |
| 1736 | 0.23948356 | -0.239483562 |  | 80.4216867 | 1 |
| 1737 | 0.19160616 | -0.191606161 |  | 80.4680259 | 1 |
| 1738 | 0.19251975 | -0.192519751 |  | 80.5143652 | 1 |
| 1739 | 0.26449022 | 0.735509782 |  | 80.5607044 | 1 |
| 1740 | 0.19170697 | -0.19170697 |  | 80.6070436 | 1 |
| 1741 | 0.19165026 | -0.191650265 |  | 80.6533828 | 1 |
| 1742 | 0.19223937 | 0.807760627 |  | 80.699722 | 1 |
| 1743 | 0.19160931 | -0.191609311 |  | 80.7460612 | 1 |
| 1744 | 0.19163136 | -0.191631363 |  | 80.7924004 | 1 |
| 1745 | 0.19215431 | -0.192154315 |  | 80.8387396 | 1 |
| 1746 | 0.19185819 | -0.191858185 |  | 80.8850788 | 1 |
| 1747 | 0.19168177 | -0.191681768 |  | 80.931418 | 1 |
| 1748 | 0.19163136 | -0.191631363 |  | 80.9777572 | 1 |
| 1749 | 0.19163136 | 0.808368637 |  | 81.0240964 | 1 |
| 1750 | 0.19182353 | -0.191823532 |  | 81.0704356 | 1 |
| 1751 | 0.19167232 | -0.191672317 |  | 81.1167748 | 1 |
| 1752 | 0.19175423 | -0.191754225 |  | 81.163114 | 1 |
| 1753 | 0.21737204 | -0.217372041 |  | 81.2094532 | 1 |
| 1754 | 0.19160616 | -0.191606161 |  | 81.2557924 | 1 |
| 1755 | 0.31100669 | -0.311006685 |  | 81.3021316 | 1 |
| 1756 | 0.19181408 | 0.808185919 |  | 81.3484708 | 1 |
| 1757 | 0.21545665 | -0.215456653 |  | 81.39481 | 1 |
| 1758 | 0.19193694 | -0.191936943 |  | 81.4411492 | 1 |
| 1759 | 0.22805134 | -0.22805134 |  | 81.4874884 | 1 |
| 1760 | 0.19160616 | -0.191606161 |  | 81.5338276 | 1 |
| 1761 | 0.19329473 | 0.806705273 |  | 81.5801668 | 1 |
| 1762 | 0.22747483 | -0.227474833 |  | 81.626506 | 1 |
| 1763 | 1.33702117 | -0.337021169 |  | 81.6728452 | 1 |
| 1764 | 0.19160616 | -0.191606161 |  | 81.7191844 | 1 |
| 1765 | 0.19162506 | -0.191625062 |  | 81.7655236 | 1 |
| 1766 | 0.19160616 | 0.808393839 |  | 81.8118628 | 1 |
| 1767 | 0.20354873 | -0.203548733 |  | 81.858202 | 1 |
| 1768 | 0.23937645 | -0.239376451 |  | 81.9045412 | 1 |
| 1769 | 0.19317502 | -0.193175015 |  | 81.9508804 | 1 |
| 1770 | 0.21574963 | -0.215749631 |  | 81.9972196 | 1 |
| 1771 | 0.19160616 | -0.191606161 |  | 82.0435589 | 1 |
| 1772 | 0.20626745 | -0.206267451 |  | 82.0898981 | 1 |
| 1773 | 0.19160616 | -0.191606161 |  | 82.1362373 | 1 |
| 1774 | 0.19234018 | 0.807659817 |  | 82.1825765 | 1 |
| 1775 | 0.19177628 | -0.191776277 |  | 82.2289157 | 1 |
| 1776 | 0.19161246 | -0.191612461 |  | 82.2752549 | 1 |
| 1777 | 0.19188339 | 0.808116612 |  | 82.3215941 | 1 |
| 1778 | 0.1940067 | -0.194006697 |  | 82.3679333 | 1 |
| 1779 | 0.19160931 | -0.191609311 |  | 82.4142725 | 1 |
| 1780 | 0.24107447 | -0.241074469 |  | 82.4606117 | 1 |
| 1781 | 0.30267803 | 0.697321975 |  | 82.5069509 | 1 |
| 1782 | 0.19161561 | -0.191615611 |  | 82.5532901 | 1 |
| 1783 | 0.19160616 | -0.191606161 |  | 82.5996293 | 1 |
| 1784 | 0.19165342 | -0.191653415 |  | 82.6459685 | 1 |
| 1785 | 0.19276547 | -0.192765475 |  | 82.6923077 | 1 |
| 1786 | 0.22092244 | 0.779077559 |  | 82.7386469 | 1 |
| 1787 | 0.19922361 | -0.199223611 |  | 82.7849861 | 1 |
| 1788 | 0.19166917 | -0.191669167 |  | 82.8313253 | 1 |
| 1789 | 0.19160616 | -0.191606161 |  | 82.8776645 | 1 |
| 1790 | 0.2154409 | 0.784559099 |  | 82.9240037 | 1 |
| 1791 | 0.19194009 | 0.808059907 |  | 82.9703429 | 1 |
| 1792 | 0.23943631 | -0.239436307 |  | 83.0166821 | 1 |
| 1793 | 0.19172902 | -0.191729023 |  | 83.0630213 | 1 |
| 1794 | 0.19167547 | -0.191675467 |  | 83.1093605 | 1 |
| 1795 | 0.25231264 | 0.747687361 |  | 83.1556997 | 1 |
| 1796 | 0.19257016 | -0.192570155 |  | 83.2020389 | 1 |
| 1797 | 0.19164711 | -0.191647115 |  | 83.2483781 | 1 |
| 1798 | 0.19198105 | -0.191981047 |  | 83.2947173 | 1 |
| 1799 | 0.19163766 | -0.191637664 |  | 83.3410565 | 1 |
| 1800 | 0.19163136 | -0.191631363 |  | 83.3873957 | 1 |
| 1801 | 0.19181723 | -0.191817231 |  | 83.4337349 | 1 |
| 1802 | 0.19188969 | -0.191889688 |  | 83.4800741 | 1 |
| 1803 | 0.19171642 | -0.191716421 |  | 83.5264133 | 1 |
| 1804 | 0.19161246 | -0.191612461 |  | 83.5727525 | 1 |
| 1805 | 0.19163136 | -0.191631363 |  | 83.6190918 | 1 |
| 1806 | 0.19238114 | 0.807618863 |  | 83.665431 | 1 |
| 1807 | 0.19190859 | -0.19190859 |  | 83.7117702 | 1 |
| 1808 | 0.19162506 | -0.191625062 |  | 83.7581094 | 1 |
| 1809 | 0.19162506 | -0.191625062 |  | 83.8044486 | 1 |
| 1810 | 0.2255539 | -0.225553904 |  | 83.8507878 | 1 |
| 1811 | 0.19293874 | -0.192938742 |  | 83.897127 | 1 |
| 1812 | 0.19166602 | -0.191666016 |  | 83.9434662 | 1 |
| 1813 | 0.20355818 | -0.203558184 |  | 83.9898054 | 1 |
| 1814 | 0.19166917 | -0.191669167 |  | 84.0361446 | 1 |
| 1815 | 0.20422315 | -0.204223153 |  | 84.0824838 | 1 |
| 1816 | 0.19172587 | -0.191725872 |  | 84.128823 | 1 |
| 1817 | 0.201621 | 0.798379003 |  | 84.1751622 | 1 |
| 1818 | 0.1920535 | -0.192053505 |  | 84.2215014 | 1 |
| 1819 | 0.19163451 | -0.191634513 |  | 84.2678406 | 1 |
| 1820 | 0.19400355 | 0.805996453 |  | 84.3141798 | 1 |
| 1821 | 0.227604 | 0.772396005 |  | 84.360519 | 1 |
| 1822 | 0.19160616 | -0.191606161 |  | 84.4068582 | 1 |
| 1823 | 0.19161876 | -0.191618762 |  | 84.4531974 | 1 |
| 1824 | 0.2042607 | -0.204260703 |  | 84.4995366 | 1 |
| 1825 | 0.19167862 | -0.191678618 |  | 84.5458758 | 1 |
| 1826 | 0.19166917 | -0.191669167 |  | 84.592215 | 1 |
| 1827 | 0.19161246 | 0.808387539 |  | 84.6385542 | 1 |
| 1828 | 0.19160931 | -0.191609311 |  | 84.6848934 | 1 |
| 1829 | 0.19183298 | -0.191832983 |  | 84.7312326 | 1 |
| 1830 | 0.20707418 | 0.792925816 |  | 84.7775718 | 1 |
| 1831 | 0.19171012 | -0.191710121 |  | 84.823911 | 1 |
| 1832 | 0.19162191 | -0.191621912 |  | 84.8702502 | 1 |
| 1833 | 0.19184558 | -0.191845584 |  | 84.9165894 | 1 |
| 1834 | 0.2393418 | -0.239341798 |  | 84.9629286 | 1 |
| 1835 | 0.19166602 | -0.191666016 |  | 85.0092678 | 1 |
| 1836 | 0.19164081 | -0.191640814 |  | 85.055607 | 1 |
| 1837 | 0.19183298 | 0.808167017 |  | 85.1019462 | 1 |
| 1838 | 0.19237484 | -0.192374836 |  | 85.1482854 | 1 |
| 1839 | 0.19163136 | -0.191631363 |  | 85.1946247 | 1 |
| 1840 | 0.19160616 | 0.808393839 |  | 85.2409639 | 1 |
| 1841 | 0.19161246 | -0.191612461 |  | 85.2873031 | 1 |
| 1842 | 0.19163136 | -0.191631363 |  | 85.3336423 | 1 |
| 1843 | 0.19175738 | -0.191757375 |  | 85.3799815 | 1 |
| 1844 | 0.26338156 | -0.263381562 |  | 85.4263207 | 1 |
| 1845 | 0.19216062 | -0.192160615 |  | 85.4726599 | 1 |
| 1846 | 0.20352983 | -0.203529831 |  | 85.5189991 | 1 |
| 1847 | 0.19160616 | -0.191606161 |  | 85.5653383 | 1 |
| 1848 | 0.20097833 | 0.799021666 |  | 85.6116775 | 1 |
| 1849 | 0.19162821 | -0.191628213 |  | 85.6580167 | 1 |
| 1850 | 0.19171327 | -0.191713271 |  | 85.7043559 | 1 |
| 1851 | 0.19160616 | -0.191606161 |  | 85.7506951 | 1 |
| 1852 | 0.19197475 | -0.191974747 |  | 85.7970343 | 1 |
| 1853 | 0.19310256 | 0.806897442 |  | 85.8433735 | 1 |
| 1854 | 0.19170067 | 0.80829933 |  | 85.8897127 | 1 |
| 1855 | 0.29475159 | -0.294751591 |  | 85.9360519 | 1 |
| 1856 | 0.19186449 | -0.191864486 |  | 85.9823911 | 1 |
| 1857 | 0.19164396 | -0.191643964 |  | 86.0287303 | 1 |
| 1858 | 0.19182353 | -0.191823532 |  | 86.0750695 | 1 |
| 1859 | 0.19162506 | 0.808374938 |  | 86.1214087 | 1 |
| 1860 | 0.192986 | -0.192985996 |  | 86.1677479 | 1 |
| 1861 | 0.1930049 | -0.193004898 |  | 86.2140871 | 1 |
| 1862 | 0.19173847 | 0.808261526 |  | 86.2604263 | 1 |
| 1863 | 0.19161876 | -0.191618762 |  | 86.3067655 | 1 |
| 1864 | 0.20353298 | -0.203532982 |  | 86.3531047 | 1 |
| 1865 | 0.22726767 | -0.227267673 |  | 86.3994439 | 1 |
| 1866 | 0.19174477 | 0.808255226 |  | 86.4457831 | 1 |
| 1867 | 0.19173217 | -0.191732173 |  | 86.4921223 | 1 |
| 1868 | 0.19163136 | -0.191631363 |  | 86.5384615 | 1 |
| 1869 | 0.21619698 | -0.216196975 |  | 86.5848007 | 1 |
| 1870 | 0.19168492 | -0.191684918 |  | 86.6311399 | 1 |
| 1871 | 0.19176998 | -0.191769977 |  | 86.6774791 | 1 |
| 1872 | 0.19544009 | -0.195440088 |  | 86.7238184 | 1 |
| 1873 | 0.19361921 | -0.193619209 |  | 86.7701576 | 1 |
| 1874 | 0.19163766 | -0.191637664 |  | 86.8164968 | 1 |
| 1875 | 0.19161246 | -0.191612461 |  | 86.862836 | 1 |
| 1876 | 0.19160931 | -0.191609311 |  | 86.9091752 | 1 |
| 1877 | 0.19161246 | -0.191612461 |  | 86.9555144 | 1 |
| 1878 | 0.19160616 | -0.191606161 |  | 87.0018536 | 1 |
| 1879 | 0.19160616 | -0.191606161 |  | 87.0481928 | 1 |
| 1880 | 0.19160616 | -0.191606161 |  | 87.094532 | 1 |
| 1881 | 0.19165026 | -0.191650265 |  | 87.1408712 | 1 |
| 1882 | 0.19160616 | -0.191606161 |  | 87.1872104 | 1 |
| 1883 | 0.19170697 | -0.19170697 |  | 87.2335496 | 1 |
| 1884 | 0.19186764 | -0.191867636 |  | 87.2798888 | 1 |
| 1885 | 0.19170697 | -0.19170697 |  | 87.326228 | 1 |
| 1886 | 0.19220787 | 0.80779213 |  | 87.3725672 | 1 |
| 1887 | 0.23962533 | -0.239625326 |  | 87.4189064 | 1 |
| 1888 | 0.19160616 | -0.191606161 |  | 87.4652456 | 1 |
| 1889 | 0.19172272 | -0.191722722 |  | 87.5115848 | 1 |
| 1890 | 0.19186134 | -0.191861336 |  | 87.557924 | 1 |
| 1891 | 0.19161876 | -0.191618762 |  | 87.6042632 | 1 |
| 1892 | 0.19160616 | -0.191606161 |  | 87.6506024 | 1 |
| 1893 | 0.19579607 | -0.195796073 |  | 87.6969416 | 1 |
| 1894 | 0.19160616 | -0.191606161 |  | 87.7432808 | 1 |
| 1895 | 0.19167547 | -0.191675467 |  | 87.78962 | 1 |
| 1896 | 1.16668704 | -0.166687043 |  | 87.8359592 | 1 |
| 1897 | 0.19160301 | -0.19160301 |  | 87.8822984 | 1 |
| 1898 | 0.19164081 | 0.808359186 |  | 87.9286376 | 1 |
| 1899 | 0.20103504 | 0.798964961 |  | 87.9749768 | 1 |
| 1900 | 0.19160931 | -0.191609311 |  | 88.021316 | 1 |
| 1901 | 0.19169752 | 0.80830248 |  | 88.0676552 | 1 |
| 1902 | 0.20361804 | -0.20361804 |  | 88.1139944 | 1 |
| 1903 | 0.19163136 | -0.191631363 |  | 88.1603336 | 1 |
| 1904 | 0.19163136 | -0.191631363 |  | 88.2066728 | 1 |
| 1905 | 0.19160616 | -0.191606161 |  | 88.253012 | 1 |
| 1906 | 0.19163766 | -0.191637664 |  | 88.2993513 | 1 |
| 1907 | 0.19161876 | 0.808381238 |  | 88.3456905 | 1 |
| 1908 | 0.21553541 | 0.78446459 |  | 88.3920297 | 1 |
| 1909 | 0.19228978 | -0.192289778 |  | 88.4383689 | 1 |
| 1910 | 0.19527942 | 0.804720578 |  | 88.4847081 | 1 |
| 1911 | 0.19198105 | 0.808018953 |  | 88.5310473 | 1 |
| 1912 | 0.19211021 | 0.80788979 |  | 88.5773865 | 1 |
| 1913 | 0.23921365 | -0.239213649 |  | 88.6237257 | 1 |
| 1914 | 0.19165026 | -0.191650265 |  | 88.6700649 | 1 |
| 1915 | 0.21982979 | -0.21982979 |  | 88.7164041 | 1 |
| 1916 | 0.20460119 | -0.20460119 |  | 88.7627433 | 1 |
| 1917 | 0.19174477 | -0.191744774 |  | 88.8090825 | 1 |
| 1918 | 0.19681362 | -0.196813623 |  | 88.8554217 | 1 |
| 1919 | 0.19166287 | -0.191662866 |  | 88.9017609 | 1 |
| 1920 | 0.31308212 | 0.686917876 |  | 88.9481001 | 1 |
| 1921 | 0.19214171 | 0.807858287 |  | 88.9944393 | 1 |
| 1922 | 0.2037598 | -0.203759804 |  | 89.0407785 | 1 |
| 1923 | 0.19162191 | -0.191621912 |  | 89.0871177 | 1 |
| 1924 | 0.19166917 | -0.191669167 |  | 89.1334569 | 1 |
| 1925 | 0.19163136 | -0.191631363 |  | 89.1797961 | 1 |
| 1926 | 0.19161876 | -0.191618762 |  | 89.2261353 | 1 |
| 1927 | 0.21556376 | -0.215563763 |  | 89.2724745 | 1 |
| 1928 | 0.19162506 | -0.191625062 |  | 89.3188137 | 1 |
| 1929 | 0.19161246 | -0.191612461 |  | 89.3651529 | 1 |
| 1930 | 0.19404765 | 0.805952349 |  | 89.4114921 | 1 |
| 1931 | 0.19286628 | -0.192866285 |  | 89.4578313 | 1 |
| 1932 | 0.19161246 | -0.191612461 |  | 89.5041705 | 1 |
| 1933 | 0.19160616 | -0.191606161 |  | 89.5505097 | 1 |
| 1934 | 0.19161246 | -0.191612461 |  | 89.5968489 | 1 |
| 1935 | 0.19163136 | -0.191631363 |  | 89.6431881 | 1 |
| 1936 | 0.19176368 | -0.191763676 |  | 89.6895273 | 1 |
| 1937 | 0.19165026 | 0.808349735 |  | 89.7358665 | 1 |
| 1938 | 0.19160616 | -0.191606161 |  | 89.7822057 | 1 |
| 1939 | 0.19160616 | -0.191606161 |  | 89.8285449 | 1 |
| 1940 | 0.19177313 | -0.191773127 |  | 89.8748842 | 1 |
| 1941 | 0.19161246 | -0.191612461 |  | 89.9212234 | 1 |
| 1942 | 0.19191174 | -0.191911741 |  | 89.9675626 | 1 |
| 1943 | 0.19165972 | -0.191659716 |  | 90.0139018 | 1 |
| 1944 | 0.19160616 | 0.808393839 |  | 90.060241 | 1 |
| 1945 | 0.19179833 | 0.808201671 |  | 90.1065802 | 1 |
| 1946 | 0.19293244 | 0.807067559 |  | 90.1529194 | 1 |
| 1947 | 0.19160616 | -0.191606161 |  | 90.1992586 | 1 |
| 1948 | 0.19161246 | -0.191612461 |  | 90.2455978 | 1 |
| 1949 | 0.19160616 | -0.191606161 |  | 90.291937 | 1 |
| 1950 | 0.19213226 | -0.192132262 |  | 90.3382762 | 1 |
| 1951 | 0.46590052 | -0.465900525 |  | 90.3846154 | 1 |
| 1952 | 0.19171327 | -0.191713271 |  | 90.4309546 | 1 |
| 1953 | 0.19168177 | -0.191681768 |  | 90.4772938 | 1 |
| 1954 | 0.19182983 | -0.191829833 |  | 90.523633 | 1 |
| 1955 | 0.19160616 | -0.191606161 |  | 90.5699722 | 1 |
| 1956 | 0.19171012 | 0.808289879 |  | 90.6163114 | 1 |
| 1957 | 0.19161246 | -0.191612461 |  | 90.6626506 | 1 |
| 1958 | 0.19216062 | 0.807839385 |  | 90.7089898 | 1 |
| 1959 | 0.19169122 | -0.191691219 |  | 90.755329 | 1 |
| 1960 | 0.20784261 | 0.792157394 |  | 90.8016682 | 1 |
| 1961 | 0.19160616 | -0.191606161 |  | 90.8480074 | 1 |
| 1962 | 0.19163766 | -0.191637664 |  | 90.8943466 | 1 |
| 1963 | 0.19161876 | -0.191618762 |  | 90.9406858 | 1 |
| 1964 | 0.19168177 | -0.191681768 |  | 90.987025 | 1 |
| 1965 | 0.19163766 | -0.191637664 |  | 91.0333642 | 1 |
| 1966 | 0.34027875 | -0.340278753 |  | 91.0797034 | 1 |
| 1967 | 0.19161246 | -0.191612461 |  | 91.1260426 | 1 |
| 1968 | 0.19172272 | -0.191722722 |  | 91.1723818 | 1 |
| 1969 | 0.19181408 | -0.191814081 |  | 91.218721 | 1 |
| 1970 | 0.19171642 | -0.191716421 |  | 91.2650602 | 1 |
| 1971 | 0.19161876 | -0.191618762 |  | 91.3113994 | 1 |
| 1972 | 0.19161246 | -0.191612461 |  | 91.3577386 | 1 |
| 1973 | 0.20351093 | -0.20351093 |  | 91.4040778 | 1 |
| 1974 | 0.19160616 | -0.191606161 |  | 91.4504171 | 1 |
| 1975 | 0.48969772 | 0.510302285 |  | 91.4967563 | 1 |
| 1976 | 0.19179833 | -0.191798329 |  | 91.5430955 | 1 |
| 1977 | 0.23949931 | -0.239499314 |  | 91.5894347 | 1 |
| 1978 | 0.19169437 | -0.191694369 |  | 91.6357739 | 1 |
| 1979 | 0.2154661 | -0.215466104 |  | 91.6821131 | 1 |
| 1980 | 0.19287574 | -0.192875736 |  | 91.7284523 | 1 |
| 1981 | 0.19161876 | -0.191618762 |  | 91.7747915 | 1 |
| 1982 | 0.19205665 | -0.192056655 |  | 91.8211307 | 1 |
| 1983 | 0.19161561 | -0.191615611 |  | 91.8674699 | 1 |
| 1984 | 0.19161246 | -0.191612461 |  | 91.9138091 | 1 |
| 1985 | 0.20033882 | -0.200338821 |  | 91.9601483 | 1 |
| 1986 | 0.22722672 | -0.227226719 |  | 92.0064875 | 1 |
| 1987 | 0.19192119 | -0.191921192 |  | 92.0528267 | 1 |
| 1988 | 0.20357709 | -0.203577086 |  | 92.0991659 | 1 |
| 1989 | 0.19167232 | -0.191672317 |  | 92.1455051 | 1 |
| 1990 | 0.19160616 | -0.191606161 |  | 92.1918443 | 1 |
| 1991 | 0.22361016 | -0.223610163 |  | 92.2381835 | 1 |
| 1992 | 0.19165657 | -0.191656566 |  | 92.2845227 | 1 |
| 1993 | 0.19162821 | -0.191628213 |  | 92.3308619 | 1 |
| 1994 | 0.19160616 | -0.191606161 |  | 92.3772011 | 1 |
| 1995 | 0.19161246 | -0.191612461 |  | 92.4235403 | 1 |
| 1996 | 0.19160616 | 0.808393839 |  | 92.4698795 | 1 |
| 1997 | 0.19354045 | -0.193540451 |  | 92.5162187 | 1 |
| 1998 | 0.19229608 | -0.192296079 |  | 92.5625579 | 1 |
| 1999 | 0.20352353 | -0.203523531 |  | 92.6088971 | 1 |
| 2000 | 0.19160616 | -0.191606161 |  | 92.6552363 | 1 |
| 2001 | 0.19181093 | -0.191810931 |  | 92.7015755 | 1 |
| 2002 | 0.19179833 | -0.191798329 |  | 92.7479147 | 1 |
| 2003 | 0.19182353 | 0.808176468 |  | 92.7942539 | 1 |
| 2004 | 0.19738698 | 0.80261302 |  | 92.8405931 | 1 |
| 2005 | 0.19175423 | -0.191754225 |  | 92.8869323 | 1 |
| 2006 | 0.21727174 | -0.217271738 |  | 92.9332715 | 1 |
| 2007 | 0.19377042 | 0.806229576 |  | 92.9796108 | 1 |
| 2008 | 0.19160616 | -0.191606161 |  | 93.02595 | 1 |
| 2009 | 0.19160616 | -0.191606161 |  | 93.0722892 | 1 |
| 2010 | 0.19250715 | -0.192507149 |  | 93.1186284 | 1 |
| 2011 | 0.19161246 | -0.191612461 |  | 93.1649676 | 1 |
| 2012 | 0.19160616 | -0.191606161 |  | 93.2113068 | 1 |
| 2013 | 0.19263316 | 0.807366838 |  | 93.257646 | 1 |
| 2014 | 0.20396142 | -0.203961424 |  | 93.3039852 | 1 |
| 2015 | 0.20948732 | 0.790512678 |  | 93.3503244 | 1 |
| 2016 | 0.19181723 | -0.191817231 |  | 93.3966636 | 1 |
| 2017 | 0.19307736 | 0.806922645 |  | 93.4430028 | 1 |
| 2018 | 0.19160616 | -0.191606161 |  | 93.489342 | 1 |
| 2019 | 0.19160616 | -0.191606161 |  | 93.5356812 | 1 |
| 2020 | 0.19216692 | -0.192166916 |  | 93.5820204 | 1 |
| 2021 | 0.19193379 | 0.808066207 |  | 93.6283596 | 1 |
| 2022 | 0.19167547 | -0.191675467 |  | 93.6746988 | 1 |
| 2023 | 0.19227403 | 0.807725974 |  | 93.721038 | 1 |
| 2024 | 0.19161561 | -0.191615611 |  | 93.7673772 | 1 |
| 2025 | 0.19179518 | -0.191795179 |  | 93.8137164 | 1 |
| 2026 | 0.19228348 | -0.192283477 |  | 93.8600556 | 1 |
| 2027 | 0.19170067 | -0.19170067 |  | 93.9063948 | 1 |
| 2028 | 0.19160616 | -0.191606161 |  | 93.952734 | 1 |
| 2029 | 0.1919779 | -0.191977897 |  | 93.9990732 | 1 |
| 2030 | 0.19161246 | -0.191612461 |  | 94.0454124 | 1 |
| 2031 | 0.19163136 | 0.808368637 |  | 94.0917516 | 1 |
| 2032 | 0.19160616 | 0.808393839 |  | 94.1380908 | 1 |
| 2033 | 0.19160931 | -0.191609311 |  | 94.18443 | 1 |
| 2034 | 0.19170697 | -0.19170697 |  | 94.2307692 | 1 |
| 2035 | 0.19175107 | 0.808248925 |  | 94.2771084 | 1 |
| 2036 | 0.19160931 | -0.191609311 |  | 94.3234476 | 1 |
| 2037 | 0.19160616 | 0.808393839 |  | 94.3697868 | 1 |
| 2038 | 0.19161561 | 0.808384389 |  | 94.416126 | 1 |
| 2039 | 0.19160616 | -0.191606161 |  | 94.4624652 | 1 |
| 2040 | 0.19160616 | -0.191606161 |  | 94.5088044 | 1 |
| 2041 | 0.19163766 | -0.191637664 |  | 94.5551437 | 1 |
| 2042 | 0.19160616 | -0.191606161 |  | 94.6014829 | 1 |
| 2043 | 0.20003009 | -0.20003009 |  | 94.6478221 | 1 |
| 2044 | 0.19178573 | -0.191785728 |  | 94.6941613 | 1 |
| 2045 | 0.19160931 | -0.191609311 |  | 94.7405005 | 1 |
| 2046 | 0.19255755 | 0.807442446 |  | 94.7868397 | 1 |
| 2047 | 0.19183928 | 0.808160716 |  | 94.8331789 | 1 |
| 2048 | 0.20367475 | -0.203674746 |  | 94.8795181 | 1 |
| 2049 | 0.1919968 | -0.191996799 |  | 94.9258573 | 1 |
| 2050 | 0.19160616 | -0.191606161 |  | 94.9721965 | 1 |
| 2051 | 0.19160616 | -0.191606161 |  | 95.0185357 | 1 |
| 2052 | 0.20357394 | -0.203573936 |  | 95.0648749 | 1 |
| 2053 | 0.19211021 | 0.80788979 |  | 95.1112141 | 1 |
| 2054 | 0.19178888 | -0.191788879 |  | 95.1575533 | 1 |
| 2055 | 0.19212281 | -0.192122811 |  | 95.2038925 | 1 |
| 2056 | 0.19162506 | -0.191625062 |  | 95.2502317 | 1 |
| 2057 | 0.19224252 | 0.807757477 |  | 95.2965709 | 1 |
| 2058 | 0.19242209 | -0.192422091 |  | 95.3429101 | 1 |
| 2059 | 0.19190229 | -0.19190229 |  | 95.3892493 | 1 |
| 2060 | 0.19181723 | -0.191817231 |  | 95.4355885 | 1 |
| 2061 | 0.19179833 | 0.808201671 |  | 95.4819277 | 1 |
| 2062 | 0.19181093 | -0.191810931 |  | 95.5282669 | 1 |
| 2063 | 0.26338446 | -0.263384459 |  | 95.5746061 | 1 |
| 2064 | 0.19160616 | -0.191606161 |  | 95.6209453 | 1 |
| 2065 | 1.18509405 | -0.185094052 |  | 95.6672845 | 1 |
| 2066 | 0.19171327 | -0.191713271 |  | 95.7136237 | 1 |
| 2067 | 0.19192749 | -0.191927492 |  | 95.7599629 | 1 |
| 2068 | 0.19165657 | -0.191656566 |  | 95.8063021 | 1 |
| 2069 | 0.19163136 | -0.191631363 |  | 95.8526413 | 1 |
| 2070 | 0.19182038 | -0.191820382 |  | 95.8989805 | 1 |
| 2071 | 0.19161561 | -0.191615611 |  | 95.9453197 | 1 |
| 2072 | 0.2041851 | 0.795814904 |  | 95.9916589 | 1 |
| 2073 | 0.19181723 | 0.808182769 |  | 96.0379981 | 1 |
| 2074 | 0.19164396 | -0.191643964 |  | 96.0843373 | 1 |
| 2075 | 0.21550391 | -0.215503907 |  | 96.1306766 | 1 |
| 2076 | 0.19161246 | -0.191612461 |  | 96.1770158 | 1 |
| 2077 | 0.19160301 | -0.19160301 |  | 96.223355 | 1 |
| 2078 | 0.19350895 | 0.806491052 |  | 96.2696942 | 1 |
| 2079 | 0.19160301 | -0.19160301 |  | 96.3160334 | 1 |
| 2080 | 0.19161246 | -0.191612461 |  | 96.3623726 | 1 |
| 2081 | 0.19171957 | -0.191719572 |  | 96.4087118 | 1 |
| 2082 | 0.19160616 | -0.191606161 |  | 96.455051 | 1 |
| 2083 | 0.21543145 | -0.21543145 |  | 96.5013902 | 1 |
| 2084 | 0.19160616 | -0.191606161 |  | 96.5477294 | 1 |
| 2085 | 0.19165026 | -0.191650265 |  | 96.5940686 | 1 |
| 2086 | 0.19166287 | -0.191662866 |  | 96.6404078 | 1 |
| 2087 | 0.19206296 | 0.807937044 |  | 96.686747 | 1 |
| 2088 | 0.21575908 | -0.215759082 |  | 96.7330862 | 1 |
| 2089 | 0.19276547 | -0.192765475 |  | 96.7794254 | 1 |
| 2090 | 0.19168492 | -0.191684918 |  | 96.8257646 | 1 |
| 2091 | 0.19167232 | -0.191672317 |  | 96.8721038 | 1 |
| 2092 | 0.20368105 | 0.796318954 |  | 96.918443 | 1 |
| 2093 | 0.19161876 | -0.191618762 |  | 96.9647822 | 1 |
| 2094 | 0.19162506 | -0.191625062 |  | 97.0111214 | 1 |
| 2095 | 0.19205035 | 0.807949646 |  | 97.0574606 | 1 |
| 2096 | 0.23952452 | -0.239524516 |  | 97.1037998 | 1 |
| 2097 | 0.19892748 | 0.801072518 |  | 97.150139 | 1 |
| 2098 | 0.19160616 | -0.191606161 |  | 97.1964782 | 1 |
| 2099 | 0.19160931 | -0.191609311 |  | 97.2428174 | 1 |
| 2100 | 0.19207241 | -0.192072406 |  | 97.2891566 | 1 |
| 2101 | 0.19161876 | -0.191618762 |  | 97.3354958 | 1 |
| 2102 | 0.20353613 | -0.203536132 |  | 97.381835 | 1 |
| 2103 | 0.19160616 | -0.191606161 |  | 97.4281742 | 1 |
| 2104 | 0.19161876 | -0.191618762 |  | 97.4745134 | 1 |
| 2105 | 0.19162506 | -0.191625062 |  | 97.5208526 | 1 |
| 2106 | 0.19160616 | -0.191606161 |  | 97.5671918 | 1 |
| 2107 | 0.21553541 | -0.21553541 |  | 97.613531 | 1 |
| 2108 | 0.19164396 | -0.191643964 |  | 97.6598703 | 1 |
| 2109 | 0.19160616 | -0.191606161 |  | 97.7062095 | 1 |
| 2110 | 0.19179518 | -0.191795179 |  | 97.7525487 | 1 |
| 2111 | 0.22792218 | -0.227922177 |  | 97.7988879 | 1 |
| 2112 | 0.19185819 | -0.191858185 |  | 97.8452271 | 1 |
| 2113 | 0.19167547 | -0.191675467 |  | 97.8915663 | 1 |
| 2114 | 0.19161246 | -0.191612461 |  | 97.9379055 | 1 |
| 2115 | 0.19160616 | 0.808393839 |  | 97.9842447 | 1 |
| 2116 | 0.19161876 | -0.191618762 |  | 98.0305839 | 1 |
| 2117 | 0.20351408 | 0.79648592 |  | 98.0769231 | 1 |
| 2118 | 0.19161876 | -0.191618762 |  | 98.1232623 | 1 |
| 2119 | 0.1920409 | -0.192040903 |  | 98.1696015 | 1 |
| 2120 | 0.25130012 | -0.251300122 |  | 98.2159407 | 1 |
| 2121 | 0.1935373 | -0.193537301 |  | 98.2622799 | 1 |
| 2122 | 0.2154724 | -0.215472404 |  | 98.3086191 | 1 |
| 2123 | 0.19164081 | -0.191640814 |  | 98.3549583 | 1 |
| 2124 | 0.19221732 | -0.192217321 |  | 98.4012975 | 1 |
| 2125 | 0.19165657 | -0.191656566 |  | 98.4476367 | 1 |
| 2126 | 0.19162191 | 0.808378088 |  | 98.4939759 | 1 |
| 2127 | 0.23966313 | -0.23966313 |  | 98.5403151 | 1 |
| 2128 | 0.19161246 | -0.191612461 |  | 98.5866543 | 1 |
| 2129 | 0.19171012 | -0.191710121 |  | 98.6329935 | 1 |
| 2130 | 0.19192119 | -0.191921192 |  | 98.6793327 | 1 |
| 2131 | 0.19160931 | -0.191609311 |  | 98.7256719 | 1 |
| 2132 | 0.20542002 | 0.794579982 |  | 98.7720111 | 1 |
| 2133 | 0.2042607 | -0.204260703 |  | 98.8183503 | 1 |
| 2134 | 0.20038608 | 0.799613925 |  | 98.8646895 | 1 |
| 2135 | 0.19163136 | -0.191631363 |  | 98.9110287 | 1 |
| 2136 | 0.19160616 | -0.191606161 |  | 98.9573679 | 1 |
| 2137 | 0.19160616 | -0.191606161 |  | 99.0037071 | 1 |
| 2138 | 0.19223307 | -0.192233072 |  | 99.0500463 | 1 |
| 2139 | 0.19165657 | -0.191656566 |  | 99.0963855 | 1 |
| 2140 | 0.192504 | -0.192503999 |  | 99.1427247 | 1 |
| 2141 | 0.19161246 | -0.191612461 |  | 99.1890639 | 1 |
| 2142 | 0.19161246 | -0.191612461 |  | 99.2354032 | 1 |
| 2143 | 0.19161246 | -0.191612461 |  | 99.2817424 | 1 |
| 2144 | 0.19171642 | 0.808283579 |  | 99.3280816 | 1 |
| 2145 | 0.19160301 | -0.19160301 |  | 99.3744208 | 1 |
| 2146 | 0.19320967 | -0.193209668 |  | 99.42076 | 1 |
| 2147 | 0.21553541 | -0.21553541 |  | 99.4670992 | 1 |
| 2148 | 0.33992277 | -0.339922768 |  | 99.5134384 | 1 |
| 2149 | 0.19161876 | -0.191618762 |  | 99.5597776 | 1 |
| 2150 | 0.22674157 | -0.226741571 |  | 99.6061168 | 1 |
| 2151 | 0.19169752 | -0.19169752 |  | 99.652456 | 1 |
| 2152 | 0.19166917 | -0.191669167 |  | 99.6987952 | 1 |
| 2153 | 0.251549 | -0.251548997 |  | 99.7451344 | 1 |
| 2154 | 0.19160616 | -0.191606161 |  | 99.7914736 | 1 |
| 2155 | 0.19162821 | -0.191628213 |  | 99.8378128 | 1 |
| 2156 | 0.19160616 | -0.191606161 |  | 99.884152 | 1 |
| 2157 | 0.19160616 | -0.191606161 |  | 99.9304912 | 1 |
| 2158 | 0.19168807 | -0.191688069 |  | 99.9768304 | 1 |

Once you reach the 79.8192771 percentile you are predicted to “survive” in the environment.