Spotify Dataset Clustering

2022-12-23

# Clustering

Will clustering help us identify patterns between the different songs of the Spotify dataset?

This report includes in two parts: - K-means clustering - Hierarchical clustering - Visual Partition of the n-classes - Gower’s Distance metrics / Dissimilarity matrix

## Setup

We setup the working directory and load the pre-cleaned Spotify dataset (refer to pre-processing / descriptive statistics):

# Replace with your own working directory if needed  
WD <- "C:/Users/Joseph/Documents/Codes/2022/mvtec-2022/finalproject/spotify-statistics-final/clustering"  
setwd(WD)  
dd <- read.csv("data/cleaneddata.csv", sep=",");  
head(dd, 10)

## popularity duration\_ms explicit danceability energy key loudness mode  
## 1 38 153039 False 0.522 0.854 A -5.274 minor  
## 2 20 212840 False 0.544 0.855 C -3.464 major  
## 3 71 235779 False 0.856 0.617 A#/Bb -5.308 minor  
## 4 12 142759 False 0.478 0.235 D -13.106 major  
## 5 9 292217 False 0.786 0.714 A -10.344 minor  
## 6 38 194506 False 0.650 0.771 D -6.901 major  
## 7 68 231146 False 0.581 0.992 G -2.976 major  
## 8 20 337200 False 0.457 0.573 F -13.509 minor  
## 9 0 237733 False 0.179 0.445 A#/Bb -9.089 minor  
## 10 28 153720 False 0.364 0.397 C -7.280 major  
## speechiness acousticness instrumentalness liveness valence tempo  
## 1 0.0431 0.049800 2.53e-04 0.2650 0.699 136.087  
## 2 0.0282 0.003410 4.28e-02 0.2600 0.609 139.432  
## 3 0.0840 0.171000 0.00e+00 0.0857 0.759 136.081  
## 4 0.0278 0.917000 2.64e-01 0.0836 0.382 93.226  
## 5 0.0595 0.000726 9.08e-01 0.1010 0.269 119.956  
## 6 0.0269 0.001190 2.61e-02 0.1600 0.743 112.710  
## 7 0.1090 0.004000 2.73e-05 0.3530 0.200 99.974  
## 8 0.0292 0.906000 8.60e-01 0.1750 0.650 147.283  
## 9 0.0474 0.990000 5.38e-01 0.1110 0.192 70.396  
## 10 0.0332 0.556000 0.00e+00 0.1220 0.307 184.721  
## time\_signature track\_genre multiple\_artists tempo\_cat  
## 1 4 electronic FALSE Allegro  
## 2 4 power-pop FALSE Allegro  
## 3 4 k-pop FALSE Allegro  
## 4 3 honky-tonk FALSE Andante  
## 5 4 detroit-techno FALSE Moderato  
## 6 4 punk-rock FALSE Moderato  
## 7 4 metal FALSE Andante  
## 8 4 new-age FALSE Allegro  
## 9 4 romance FALSE Adagio  
## 10 3 rockabilly FALSE Presto

Let’s list all of the variables of the Spotify dataset

names(dd)

## [1] "popularity" "duration\_ms" "explicit" "danceability"   
## [5] "energy" "key" "loudness" "mode"   
## [9] "speechiness" "acousticness" "instrumentalness" "liveness"   
## [13] "valence" "tempo" "time\_signature" "track\_genre"   
## [17] "multiple\_artists" "tempo\_cat"

The dataset has 3000 rows and 18 columns

dim(dd)

## [1] 3000 18

Summary statistics of every variables where some were categorical and some were numerical

summary(dd)

## popularity duration\_ms explicit danceability   
## Min. : 0.00 Min. : 28946 Length:3000 Min. :0.0000   
## 1st Qu.:19.00 1st Qu.:167156 Class :character 1st Qu.:0.4270   
## Median :30.00 Median :215889 Mode :character Median :0.5480   
## Mean :32.78 Mean :224103 Mean :0.5410   
## 3rd Qu.:46.00 3rd Qu.:268796 3rd Qu.:0.6653   
## Max. :97.00 Max. :594533 Max. :0.9750   
## energy key loudness mode   
## Min. :0.000242 Length:3000 Min. :-42.631 Length:3000   
## 1st Qu.:0.423000 Class :character 1st Qu.:-11.155 Class :character   
## Median :0.666500 Mode :character Median : -7.498 Mode :character   
## Mean :0.624997 Mean : -8.888   
## 3rd Qu.:0.861250 3rd Qu.: -5.181   
## Max. :0.999000 Max. : 0.377   
## speechiness acousticness instrumentalness liveness   
## Min. :0.00000 Min. :0.000001 Min. :0.0000000 Min. :0.0112   
## 1st Qu.:0.03470 1st Qu.:0.013300 1st Qu.:0.0000000 1st Qu.:0.1010   
## Median :0.04690 Median :0.217000 Median :0.0000889 Median :0.1410   
## Mean :0.07862 Mean :0.348478 Mean :0.1887061 Mean :0.2379   
## 3rd Qu.:0.07490 3rd Qu.:0.678250 3rd Qu.:0.1462500 3rd Qu.:0.3070   
## Max. :0.96200 Max. :0.996000 Max. :1.0000000 Max. :0.9920   
## valence tempo time\_signature track\_genre   
## Min. :0.0000 Min. : 0.0 Min. :0.000 Length:3000   
## 1st Qu.:0.2500 1st Qu.:100.0 1st Qu.:4.000 Class :character   
## Median :0.4730 Median :121.9 Median :4.000 Mode :character   
## Mean :0.4771 Mean :121.9 Mean :3.894   
## 3rd Qu.:0.6933 3rd Qu.:139.7 3rd Qu.:4.000   
## Max. :0.9850 Max. :220.0 Max. :5.000   
## multiple\_artists tempo\_cat   
## Mode :logical Length:3000   
## FALSE:2927 Class :character   
## TRUE :73 Mode :character   
##   
##   
##

## Set a list of numerical variables

Based from the dataset and earlier PCA analysis, we were interested and preselected 5 numerical variables to focus on: - loudness - energy - acousticness - instrumentalness - valence

attach(dd)  
  
numeric\_vars <- c("loudness", "energy", "acousticness", "instrumentalness", "valence")  
dcon <- dd %>% select(all\_of(numeric\_vars))  
dcon

## loudness energy acousticness instrumentalness valence  
## 1 -5.274 0.854000 4.98e-02 2.53e-04 0.69900  
## 2 -3.464 0.855000 3.41e-03 4.28e-02 0.60900  
## 3 -5.308 0.617000 1.71e-01 0.00e+00 0.75900  
## 4 -13.106 0.235000 9.17e-01 2.64e-01 0.38200  
## 5 -10.344 0.714000 7.26e-04 9.08e-01 0.26900  
## 6 -6.901 0.771000 1.19e-03 2.61e-02 0.74300  
## 7 -2.976 0.992000 4.00e-03 2.73e-05 0.20000  
## 8 -13.509 0.573000 9.06e-01 8.60e-01 0.65000  
## 9 -9.089 0.445000 9.90e-01 5.38e-01 0.19200  
## 10 -7.280 0.397000 5.56e-01 0.00e+00 0.30700  
## 11 -5.300 0.866000 3.61e-02 8.03e-02 0.64000  
## 12 -11.888 0.200000 9.21e-01 0.00e+00 0.34300  
## 13 -6.837 0.601000 2.68e-01 2.78e-04 0.52600  
## 14 -6.127 0.810000 1.04e-05 1.34e-06 0.63800  
## 15 -21.734 0.175000 9.49e-01 1.31e-01 0.06390  
## 16 -10.101 0.702000 1.09e-02 0.00e+00 0.60200  
## 17 -9.253 0.983000 7.75e-03 2.95e-02 0.19500  
## 18 -3.793 0.769000 4.80e-01 0.00e+00 0.80900  
## 19 -7.252 0.394000 1.17e-01 0.00e+00 0.41900  
## 20 -6.852 0.822000 7.41e-01 0.00e+00 0.33400  
## 21 -9.599 0.470000 2.10e-01 0.00e+00 0.69800  
## 22 -9.590 0.496000 2.39e-01 4.83e-06 0.67900  
## 23 -4.592 0.903000 1.58e-02 3.33e-04 0.95000  
## 24 -5.931 0.838000 5.76e-01 0.00e+00 0.50100  
## 25 -6.400 0.583000 5.44e-01 0.00e+00 0.52300  
## 26 -12.585 0.343000 5.52e-01 1.20e-06 0.37100  
## 27 -5.739 0.784000 1.53e-02 9.12e-03 0.21400  
## 28 -11.576 0.535000 5.89e-01 2.38e-02 0.66300  
## 29 -5.556 0.475000 1.48e-01 0.00e+00 0.33500  
## 30 -3.711 0.890000 1.43e-01 0.00e+00 0.57900  
## 31 -4.580 0.742000 2.80e-02 0.00e+00 0.68200  
## 32 -5.141 0.902000 1.30e-01 3.50e-04 0.77400  
## 33 -6.279 0.637000 4.43e-02 0.00e+00 0.12100  
## 34 -22.646 0.081100 8.79e-01 3.13e-03 0.05030  
## 35 -4.354 0.697000 7.88e-01 0.00e+00 0.97400  
## 36 -5.868 0.951000 5.90e-05 3.18e-03 0.13200  
## 37 -7.162 0.945000 5.14e-03 2.24e-02 0.57100  
## 38 -15.861 0.571000 4.08e-01 1.09e-03 0.14300  
## 39 -8.379 0.446000 9.49e-01 9.78e-02 0.08940  
## 40 -5.150 0.956000 7.61e-05 3.78e-02 0.11500  
## 41 -20.476 0.157000 6.91e-01 9.41e-01 0.03790  
## 42 -5.602 0.488000 8.96e-01 4.84e-05 0.55700  
## 43 -2.394 0.901000 4.37e-02 2.74e-03 0.61700  
## 44 -20.092 0.343000 9.59e-01 9.30e-01 0.45000  
## 45 -10.019 0.625000 7.76e-01 3.27e-04 0.96100  
## 46 -14.273 0.464000 7.82e-01 2.62e-06 0.82800  
## 47 -4.159 0.935000 1.71e-02 3.01e-03 0.33900  
## 48 -4.047 0.986000 2.09e-01 4.48e-02 0.19400  
## 49 -2.680 0.902000 5.66e-01 0.00e+00 0.65200  
## 50 -4.338 0.795000 2.58e-03 0.00e+00 0.68500  
## 51 -17.550 0.179000 9.04e-01 1.88e-03 0.11700  
## 52 -11.534 0.191000 9.00e-01 0.00e+00 0.39600  
## 53 -4.833 0.945000 2.34e-03 1.58e-04 0.40900  
## 54 -6.358 0.552000 8.93e-01 6.39e-06 0.77100  
## 55 -5.794 0.874000 2.41e-03 0.00e+00 0.16000  
## 56 -34.243 0.008210 9.93e-01 9.41e-01 0.20900  
## 57 -8.769 0.768000 1.20e-01 6.15e-05 0.85300  
## 58 -7.753 0.505000 5.06e-01 1.80e-06 0.13600  
## 59 -4.723 0.981000 3.57e-06 1.04e-02 0.27400  
## 60 -4.229 0.939000 1.36e-02 8.68e-06 0.14700  
## 61 -10.934 0.413000 2.61e-01 1.93e-05 0.59000  
## 62 -5.610 0.803000 1.98e-01 1.02e-02 0.78600  
## 63 -2.189 0.990000 1.51e-04 1.61e-04 0.44300  
## 64 -4.004 0.977000 1.74e-05 5.28e-01 0.10800  
## 65 -8.035 0.795000 4.35e-05 9.00e-01 0.31700  
## 66 -4.514 0.897000 1.26e-02 1.87e-01 0.33100  
## 67 -6.674 0.873000 8.22e-03 4.53e-03 0.86800  
## 68 -15.002 0.223000 9.43e-01 7.98e-01 0.10300  
## 69 -3.024 0.977000 1.37e-03 1.77e-05 0.74600  
## 70 -13.035 0.155000 4.27e-01 6.37e-02 0.68200  
## 71 -8.610 0.355000 7.33e-01 1.22e-05 0.22000  
## 72 -7.943 0.711000 6.32e-01 3.12e-03 0.50700  
## 73 -5.281 0.510000 9.15e-01 0.00e+00 0.47800  
## 74 -6.167 0.451000 2.83e-01 0.00e+00 0.59000  
## 75 -3.625 0.908000 7.20e-03 6.84e-05 0.42000  
## 76 -8.130 0.659000 3.34e-01 0.00e+00 0.35000  
## 77 -3.720 0.674000 1.69e-01 0.00e+00 0.92000  
## 78 -9.273 0.511000 3.66e-02 6.31e-03 0.09580  
## 79 -7.631 0.314000 9.16e-01 0.00e+00 0.83600  
## 80 -5.139 0.966000 3.62e-03 0.00e+00 0.55000  
## 81 -9.544 0.445000 7.34e-01 5.87e-06 0.35100  
## 82 -13.449 0.534000 1.72e-02 9.25e-01 0.82600  
## 83 -4.279 0.859000 3.03e-01 1.34e-06 0.66400  
## 84 -9.090 0.345000 7.49e-01 0.00e+00 0.80100  
## 85 -26.199 0.031200 9.91e-01 9.38e-01 0.24000  
## 86 -9.028 0.301000 9.31e-01 4.44e-01 0.16700  
## 87 -2.706 0.967000 1.04e-03 1.49e-02 0.36400  
## 88 -7.572 0.817000 6.18e-01 7.71e-06 0.96000  
## 89 -7.015 0.755000 5.64e-01 2.67e-03 0.59700  
## 90 -6.572 0.769000 4.12e-01 0.00e+00 0.86000  
## 91 -5.717 0.827000 2.20e-01 0.00e+00 0.45400  
## 92 -12.544 0.503000 7.63e-03 1.42e-03 0.80200  
## 93 -9.978 0.532000 2.88e-01 8.19e-05 0.44600  
## 94 -3.277 0.967000 2.48e-04 2.64e-06 0.22600  
## 95 -5.380 0.873000 1.27e-04 7.78e-04 0.38600  
## 96 -3.066 0.976000 2.06e-02 1.02e-06 0.32600  
## 97 -9.251 0.317000 9.56e-01 0.00e+00 0.53500  
## 98 -6.373 0.891000 7.80e-06 8.49e-01 0.17900  
## 99 -6.870 0.728000 7.36e-01 0.00e+00 0.77600  
## 100 -9.774 0.302000 5.93e-01 1.62e-03 0.18700  
## 101 -7.707 0.767000 2.45e-04 8.40e-01 0.67600  
## 102 -13.763 0.334000 7.35e-01 1.02e-05 0.39300  
## 103 -5.573 0.853000 4.56e-03 0.00e+00 0.48800  
## 104 -9.756 0.644000 8.98e-01 0.00e+00 0.80400  
## 105 -3.971 0.927000 1.67e-01 9.27e-03 0.36900  
## 106 -0.958 0.968000 5.68e-05 5.51e-02 0.55900  
## 107 -15.938 0.330000 5.68e-01 0.00e+00 0.70500  
## 108 -8.389 0.465000 3.43e-01 8.84e-01 0.17300  
## 109 -7.519 0.532000 8.97e-01 1.44e-01 0.12100  
## 110 -8.994 0.290000 8.52e-01 0.00e+00 0.79200  
## 111 -14.062 0.493000 7.70e-01 0.00e+00 0.89500  
## 112 -12.026 0.259000 9.76e-01 0.00e+00 0.48600  
## 113 -8.440 0.600000 6.86e-01 0.00e+00 0.53200  
## 114 -5.683 0.667000 6.91e-01 0.00e+00 0.59000  
## 115 -4.341 0.953000 7.82e-01 0.00e+00 0.21200  
## 116 -4.871 0.666000 4.04e-01 0.00e+00 0.78300  
## 117 -19.232 0.298000 8.58e-01 7.93e-01 0.05000  
## 118 -17.375 0.196000 8.04e-01 8.95e-06 0.33300  
## 119 -12.457 0.762000 2.06e-01 7.69e-01 0.03600  
## 120 -3.724 0.664000 6.15e-01 0.00e+00 0.92000  
## 121 -9.447 0.695000 1.11e-03 8.57e-02 0.41300  
## 122 -14.097 0.402000 8.68e-01 5.66e-06 0.71700  
## 123 -4.996 0.917000 7.53e-03 6.52e-04 0.64500  
## 124 -13.681 0.560000 2.52e-01 3.22e-02 0.47500  
## 125 -13.711 0.287000 9.72e-01 0.00e+00 0.51600  
## 126 -14.970 0.727000 1.50e-01 9.30e-01 0.64300  
## 127 -8.138 0.458000 5.76e-02 0.00e+00 0.11400  
## 128 -6.274 0.957000 7.06e-06 1.39e-01 0.25100  
## 129 -9.846 0.377000 7.25e-01 1.83e-06 0.83500  
## 130 -11.679 0.551000 4.89e-03 1.14e-01 0.55800  
## 131 -4.768 0.873000 5.32e-03 5.50e-03 0.30300  
## 132 -4.447 0.809000 1.16e-02 3.08e-05 0.87200  
## 133 -6.669 0.765000 4.53e-01 0.00e+00 0.90600  
## 134 -6.576 0.807000 6.60e-01 0.00e+00 0.84300  
## 135 -5.790 0.591000 4.53e-01 6.95e-04 0.22800  
## 136 -11.876 0.369000 1.83e-01 1.26e-03 0.65000  
## 137 -5.979 0.971000 4.67e-02 0.00e+00 0.64700  
## 138 -5.118 0.820000 6.94e-03 4.57e-03 0.77900  
## 139 -2.113 0.966000 2.12e-01 1.43e-06 0.84400  
## 140 -8.016 0.462000 4.21e-02 1.40e-05 0.16500  
## 141 -8.837 0.660000 7.66e-01 0.00e+00 0.48300  
## 142 -8.109 0.737000 6.42e-01 0.00e+00 0.66300  
## 143 -13.982 0.154000 8.84e-01 0.00e+00 0.29500  
## 144 -3.453 0.871000 5.53e-02 5.10e-01 0.37400  
## 145 -19.184 0.088500 9.91e-01 9.45e-01 0.19500  
## 146 -5.475 0.918000 2.28e-03 0.00e+00 0.67400  
## 147 -4.539 0.976000 1.64e-05 3.95e-01 0.41700  
## 148 -20.967 0.136000 9.80e-01 8.98e-01 0.18800  
## 149 -7.993 0.887000 9.08e-02 3.41e-06 0.18200  
## 150 -3.600 0.958000 1.56e-04 2.80e-01 0.05730  
## 151 -3.480 0.869000 3.06e-02 0.00e+00 0.52200  
## 152 -23.103 0.149000 9.75e-01 8.72e-01 0.97300  
## 153 -21.597 0.087700 6.62e-01 9.61e-01 0.02600  
## 154 -10.463 0.462000 2.71e-01 0.00e+00 0.67700  
## 155 -8.207 0.517000 6.53e-01 0.00e+00 0.49700  
## 156 -9.682 0.569000 3.65e-01 6.11e-01 0.53000  
## 157 -16.867 0.109000 8.47e-01 0.00e+00 0.67700  
## 158 -4.887 0.924000 4.84e-02 0.00e+00 0.58000  
## 159 -7.564 0.699000 3.49e-01 2.41e-04 0.15600  
## 160 -5.604 0.976000 3.98e-02 7.84e-05 0.42100  
## 161 -5.611 0.953000 2.34e-02 1.26e-03 0.74000  
## 162 -3.407 0.924000 4.02e-05 4.62e-03 0.21900  
## 163 -14.338 0.388000 1.81e-01 8.38e-01 0.76700  
## 164 -9.274 0.585000 3.75e-01 1.01e-02 0.72100  
## 165 -7.535 0.386000 7.73e-01 2.53e-04 0.59200  
## 166 -5.857 0.807000 2.70e-01 0.00e+00 0.45000  
## 167 -5.618 0.694000 4.50e-04 0.00e+00 0.16600  
## 168 -4.787 0.757000 7.77e-03 1.54e-04 0.87800  
## 169 -9.692 0.488000 2.74e-01 1.10e-03 0.15600  
## 170 -4.013 0.746000 3.52e-01 0.00e+00 0.47800  
## 171 -3.228 0.979000 5.65e-05 8.79e-01 0.20200  
## 172 -7.465 0.661000 5.33e-03 1.45e-05 0.95300  
## 173 -8.079 0.488000 5.89e-01 0.00e+00 0.53900  
## 174 -21.055 0.250000 2.09e-03 9.11e-01 0.30600  
## 175 -8.590 0.824000 4.38e-01 2.34e-05 0.96600  
## 176 -8.438 0.582000 6.46e-01 0.00e+00 0.71300  
## 177 -8.686 0.563000 3.05e-02 0.00e+00 0.52100  
## 178 -13.646 0.941000 8.61e-06 9.30e-01 0.21900  
## 179 -5.065 0.875000 3.34e-02 2.89e-03 0.80200  
## 180 -5.680 0.830000 2.01e-01 0.00e+00 0.59900  
## 181 -6.314 0.535000 1.43e-01 8.88e-01 0.56600  
## 182 -6.430 0.690000 4.43e-04 0.00e+00 0.45100  
## 183 -8.038 0.657000 5.89e-01 0.00e+00 0.79700  
## 184 -18.039 0.351000 8.91e-01 7.69e-01 0.07340  
## 185 -5.653 0.573000 1.07e-01 0.00e+00 0.07650  
## 186 -4.507 0.888000 5.45e-04 2.04e-05 0.51200  
## 187 -7.801 0.742000 2.19e-01 2.25e-05 0.53700  
## 188 -3.259 0.939000 3.38e-01 0.00e+00 0.48600  
## 189 -7.687 0.669000 3.19e-03 6.24e-06 0.36200  
## 190 -20.849 0.037800 9.73e-01 8.69e-01 0.03980  
## 191 -5.375 0.489000 7.26e-01 0.00e+00 0.53100  
## 192 -12.584 0.228000 9.66e-01 3.81e-05 0.25800  
## 193 -7.777 0.415000 6.16e-01 0.00e+00 0.42500  
## 194 -5.579 0.924000 1.21e-01 0.00e+00 0.91800  
## 195 -5.379 0.464000 1.02e-02 0.00e+00 0.45700  
## 196 -3.687 0.800000 4.42e-02 0.00e+00 0.56000  
## 197 -6.556 0.529000 7.30e-01 0.00e+00 0.57500  
## 198 -27.208 0.009830 9.91e-01 9.19e-01 0.27000  
## 199 -1.502 0.998000 6.65e-02 0.00e+00 0.54000  
## 200 -4.359 0.828000 3.70e-02 2.10e-05 0.93200  
## 201 -1.859 0.992000 2.42e-04 1.62e-01 0.30300  
## 202 -28.262 0.001530 9.69e-01 9.95e-01 0.06710  
## 203 -7.313 0.644000 3.51e-02 8.79e-01 0.49800  
## 204 -4.353 0.990000 1.40e-01 6.54e-05 0.69400  
## 205 -7.239 0.672000 8.17e-01 1.08e-06 0.74200  
## 206 -5.529 0.713000 5.55e-02 0.00e+00 0.36100  
## 207 -6.083 0.868000 1.40e-02 0.00e+00 0.56100  
## 208 -9.665 0.309000 8.07e-01 2.44e-05 0.82400  
## 209 -13.640 0.323000 8.12e-01 9.41e-01 0.37800  
## 210 -7.734 0.597000 7.47e-01 0.00e+00 0.83700  
## 211 -6.563 0.552000 8.41e-01 0.00e+00 0.63500  
## 212 -10.818 0.627000 1.13e-01 3.30e-04 0.85500  
## 213 -8.362 0.543000 4.19e-01 4.05e-05 0.56100  
## 214 -4.055 0.638000 7.58e-01 6.57e-03 0.51100  
## 215 -17.026 0.811000 1.04e-03 9.64e-01 0.32700  
## 216 -6.195 0.906000 3.41e-02 7.83e-05 0.68000  
## 217 -6.358 0.814000 2.43e-01 1.02e-02 0.91400  
## 218 -11.581 0.328000 8.67e-01 0.00e+00 0.19800  
## 219 -15.618 0.348000 1.52e-01 0.00e+00 0.66400  
## 220 -6.612 0.624000 6.37e-01 0.00e+00 0.78800  
## 221 -3.577 0.703000 3.32e-01 0.00e+00 0.64600  
## 222 -13.054 0.604000 1.22e-04 7.06e-01 0.25900  
## 223 -16.022 0.337000 8.12e-01 9.57e-01 0.55100  
## 224 -6.508 0.838000 7.07e-01 0.00e+00 0.82100  
## 225 -3.001 0.824000 3.07e-01 0.00e+00 0.31100  
## 226 -12.742 0.719000 6.52e-03 1.10e-02 0.16000  
## 227 -5.237 0.867000 1.29e-01 1.76e-03 0.35800  
## 228 -6.847 0.807000 6.32e-01 0.00e+00 0.74500  
## 229 -6.480 0.881000 8.05e-03 0.00e+00 0.17300  
## 230 -11.797 0.901000 1.03e-01 8.92e-01 0.74000  
## 231 -4.932 0.828000 2.78e-01 0.00e+00 0.55500  
## 232 -7.066 0.602000 2.75e-01 0.00e+00 0.68200  
## 233 -3.826 0.971000 2.55e-06 5.94e-01 0.14000  
## 234 -22.909 0.198000 8.18e-01 0.00e+00 0.58500  
## 235 -7.451 0.729000 8.70e-01 0.00e+00 0.44500  
## 236 -8.271 0.510000 8.49e-01 1.69e-02 0.43400  
## 237 -4.830 0.945000 5.98e-03 1.51e-04 0.55700  
## 238 -5.333 0.668000 6.17e-02 1.05e-03 0.85100  
## 239 -9.457 0.503000 3.32e-02 1.11e-01 0.46900  
## 240 -5.185 0.878000 2.63e-02 0.00e+00 0.83300  
## 241 -7.674 0.457000 2.22e-01 0.00e+00 0.16600  
## 242 -14.099 0.139000 9.93e-01 0.00e+00 0.20100  
## 243 -12.162 0.136000 6.73e-01 1.57e-04 0.09810  
## 244 -15.605 0.511000 1.39e-01 0.00e+00 0.72000  
## 245 -15.804 0.139000 9.26e-01 3.00e-03 0.79600  
## 246 -5.463 0.954000 8.60e-03 6.24e-01 0.66500  
## 247 -6.514 0.551000 5.34e-01 0.00e+00 0.87400  
## 248 -11.028 0.327000 6.87e-01 0.00e+00 0.74200  
## 249 -5.286 0.951000 1.59e-02 7.18e-01 0.68200  
## 250 -9.873 0.549000 5.31e-01 0.00e+00 0.69600  
## 251 -7.193 0.943000 2.65e-05 5.04e-02 0.82800  
## 252 -7.651 0.398000 9.62e-01 1.12e-02 0.80100  
## 253 -7.161 0.490000 6.71e-01 4.17e-04 0.12600  
## 254 -7.349 0.983000 3.85e-04 3.54e-01 0.50700  
## 255 -4.897 0.814000 2.86e-01 4.04e-01 0.43800  
## 256 -6.451 0.704000 7.88e-03 8.88e-06 0.25000  
## 257 -4.597 0.956000 2.04e-04 2.27e-06 0.61400  
## 258 -12.591 0.733000 2.42e-03 8.52e-01 0.03990  
## 259 -4.493 0.982000 4.09e-01 2.11e-04 0.22500  
## 260 -6.237 0.387000 9.09e-01 0.00e+00 0.48500  
## 261 -33.070 0.007080 9.85e-01 9.61e-01 0.16000  
## 262 -3.395 0.978000 5.08e-06 8.94e-01 0.14900  
## 263 -19.716 0.175000 9.74e-01 8.53e-01 0.81600  
## 264 -1.259 0.940000 1.38e-02 1.01e-02 0.69100  
## 265 -20.188 0.219000 9.28e-01 7.13e-01 0.11000  
## 266 -4.789 0.773000 7.60e-01 2.28e-06 0.86300  
## 267 -5.206 0.967000 7.71e-02 0.00e+00 0.89500  
## 268 -8.417 0.587000 1.57e-01 8.77e-01 0.87800  
## 269 -3.346 0.978000 5.53e-06 1.55e-03 0.32400  
## 270 -4.781 0.723000 5.01e-03 0.00e+00 0.23900  
## 271 -7.424 0.626000 2.32e-01 6.24e-05 0.51800  
## 272 -15.304 0.521000 5.52e-06 9.12e-01 0.03780  
## 273 -12.172 0.766000 2.07e-01 3.52e-01 0.89900  
## 274 -16.516 0.225000 6.79e-01 0.00e+00 0.65800  
## 275 -6.808 0.500000 2.25e-02 5.67e-01 0.04630  
## 276 -8.078 0.627000 1.30e-01 0.00e+00 0.33000  
## 277 -7.964 0.469000 5.80e-01 0.00e+00 0.71900  
## 278 -7.209 0.526000 9.98e-02 0.00e+00 0.29000  
## 279 -11.771 0.277000 8.92e-01 5.42e-02 0.43500  
## 280 -12.126 0.152000 3.26e-01 3.40e-03 0.23900  
## 281 -6.727 0.776000 4.12e-01 0.00e+00 0.92500  
## 282 -7.703 0.717000 8.15e-01 0.00e+00 0.40800  
## 283 -11.341 0.354000 7.89e-01 2.95e-01 0.36300  
## 284 -3.304 0.936000 2.54e-03 6.03e-04 0.66900  
## 285 -3.443 0.868000 2.04e-01 0.00e+00 0.79100  
## 286 -8.247 0.686000 3.06e-02 0.00e+00 0.27400  
## 287 -5.367 0.939000 6.07e-04 9.28e-01 0.03980  
## 288 -6.468 0.920000 2.69e-01 7.98e-01 0.07390  
## 289 -7.286 0.410000 6.31e-01 0.00e+00 0.38300  
## 290 -15.936 0.361000 7.18e-03 8.37e-01 0.34200  
## 291 -11.586 0.356000 3.47e-01 1.59e-02 0.25900  
## 292 -4.121 0.888000 9.75e-03 0.00e+00 0.59800  
## 293 -11.589 0.192000 5.43e-01 0.00e+00 0.81400  
## 294 -5.219 0.808000 4.73e-01 0.00e+00 0.78400  
## 295 -5.552 0.788000 5.48e-01 0.00e+00 0.86400  
## 296 -6.586 0.827000 1.30e-01 2.21e-05 0.40900  
## 297 -6.283 0.910000 4.87e-01 0.00e+00 0.52000  
## 298 -7.017 0.769000 1.16e-03 9.56e-03 0.24100  
## 299 -25.702 0.091000 4.17e-01 9.73e-01 0.03510  
## 300 -4.885 0.701000 1.19e-01 0.00e+00 0.29500  
## 301 -7.444 0.906000 1.24e-04 9.15e-01 0.47300  
## 302 -7.534 0.709000 6.23e-01 0.00e+00 0.94600  
## 303 -4.887 0.647000 3.21e-01 0.00e+00 0.36800  
## 304 -6.113 0.953000 1.36e-03 1.97e-03 0.12000  
## 305 -7.155 0.483000 4.81e-01 0.00e+00 0.30600  
## 306 -2.832 0.916000 5.94e-03 0.00e+00 0.84100  
## 307 -23.966 0.034900 9.92e-01 9.49e-01 0.11700  
## 308 -3.771 0.919000 2.34e-03 3.13e-04 0.25900  
## 309 -26.660 0.026800 9.95e-01 8.09e-01 0.36200  
## 310 -9.619 0.862000 1.11e-06 9.42e-01 0.13500  
## 311 -6.291 0.886000 6.89e-03 7.21e-05 0.96800  
## 312 -10.729 0.465000 5.81e-01 1.84e-01 0.41200  
## 313 -7.411 0.525000 1.73e-01 1.25e-02 0.40200  
## 314 -8.622 0.870000 7.63e-02 9.17e-01 0.10900  
## 315 -14.605 0.232000 7.85e-01 5.48e-04 0.39800  
## 316 -3.633 0.889000 1.90e-01 0.00e+00 0.62500  
## 317 -14.937 0.207000 8.62e-01 3.46e-02 0.28800  
## 318 -3.437 0.419000 8.04e-01 0.00e+00 0.40400  
## 319 -8.561 0.429000 5.10e-01 7.85e-06 0.14800  
## 320 -6.092 0.470000 2.91e-01 0.00e+00 0.32500  
## 321 -12.572 0.545000 3.83e-01 2.90e-06 0.47000  
## 322 -8.538 0.421000 8.11e-01 0.00e+00 0.39600  
## 323 -20.130 0.280000 9.73e-01 9.17e-01 0.03340  
## 324 -5.757 0.651000 1.40e-01 0.00e+00 0.55200  
## 325 -6.275 0.466000 3.00e-01 0.00e+00 0.57100  
## 326 -5.846 0.824000 1.60e-04 1.61e-03 0.53900  
## 327 -18.011 0.190000 9.87e-01 9.11e-01 0.17400  
## 328 -3.661 0.919000 2.03e-01 3.05e-04 0.73900  
## 329 -10.325 0.596000 2.26e-01 1.17e-05 0.79400  
## 330 -11.893 0.327000 8.55e-01 0.00e+00 0.15400  
## 331 -12.876 0.783000 1.72e-01 3.46e-02 0.95200  
## 332 -4.696 0.960000 3.39e-02 0.00e+00 0.91600  
## 333 -9.224 0.625000 7.58e-02 6.45e-01 0.14800  
## 334 -2.270 0.997000 2.32e-03 1.59e-03 0.07020  
## 335 -2.407 0.916000 1.91e-02 6.96e-04 0.75400  
## 336 -6.153 0.898000 1.53e-02 5.35e-04 0.83100  
## 337 -9.601 0.429000 1.78e-01 6.01e-05 0.08890  
## 338 -10.397 0.588000 6.61e-02 7.65e-03 0.69300  
## 339 -7.299 0.435000 2.62e-01 0.00e+00 0.31200  
## 340 -11.569 0.832000 1.75e-04 1.51e-02 0.34300  
## 341 -9.091 0.280000 9.36e-01 1.56e-05 0.81300  
## 342 -9.236 0.549000 2.57e-01 3.39e-06 0.19300  
## 343 -12.379 0.590000 8.20e-01 8.34e-01 0.72200  
## 344 -16.848 0.145000 9.54e-01 9.34e-01 0.61100  
## 345 -4.236 0.909000 1.75e-02 0.00e+00 0.81400  
## 346 -3.988 0.933000 2.22e-01 2.51e-06 0.63000  
## 347 -6.162 0.904000 8.72e-02 3.96e-05 0.86600  
## 348 -5.744 0.823000 1.78e-02 0.00e+00 0.96200  
## 349 -7.383 0.584000 1.64e-01 0.00e+00 0.61600  
## 350 -5.577 0.929000 3.18e-02 4.08e-02 0.47600  
## 351 -18.677 0.143000 9.75e-01 8.52e-01 0.70800  
## 352 -10.174 0.556000 9.36e-01 1.20e-03 0.84200  
## 353 -5.019 0.641000 3.68e-01 0.00e+00 0.25300  
## 354 -5.167 0.609000 7.74e-01 0.00e+00 0.58100  
## 355 -9.251 0.434000 8.43e-01 0.00e+00 0.54200  
## 356 -12.670 0.858000 5.27e-03 2.44e-04 0.81200  
## 357 -6.354 0.740000 5.45e-02 1.05e-04 0.62200  
## 358 -3.971 0.968000 3.50e-06 4.61e-05 0.47600  
## 359 -3.720 0.888000 4.55e-04 0.00e+00 0.38700  
## 360 -4.660 0.839000 3.64e-02 0.00e+00 0.82700  
## 361 -12.913 0.280000 8.52e-01 1.47e-06 0.37300  
## 362 -6.363 0.697000 3.85e-01 0.00e+00 0.81400  
## 363 -5.934 0.745000 6.94e-01 0.00e+00 0.36700  
## 364 -9.000 0.573000 2.01e-01 2.07e-04 0.53900  
## 365 -10.035 0.561000 7.63e-02 3.23e-03 0.74900  
## 366 -2.884 0.906000 3.68e-05 1.10e-04 0.48000  
## 367 -8.699 0.628000 7.22e-02 0.00e+00 0.94800  
## 368 -10.425 0.675000 8.50e-03 8.83e-01 0.21000  
## 369 -4.547 0.930000 2.11e-01 2.91e-06 0.75400  
## 370 -16.253 0.052900 8.81e-01 0.00e+00 0.31400  
## 371 -4.302 0.992000 5.93e-06 3.78e-03 0.17600  
## 372 -11.376 0.915000 1.90e-01 9.04e-01 0.23900  
## 373 -3.199 0.916000 2.60e-01 0.00e+00 0.91200  
## 374 -8.156 0.567000 3.44e-01 0.00e+00 0.63200  
## 375 -5.524 0.833000 7.74e-02 7.82e-05 0.96300  
## 376 -4.197 0.868000 2.58e-01 1.08e-06 0.71400  
## 377 -8.271 0.665000 1.05e-01 0.00e+00 0.84100  
## 378 -6.053 0.961000 6.73e-05 7.07e-01 0.29600  
## 379 -6.908 0.441000 1.98e-01 0.00e+00 0.95200  
## 380 -3.437 0.983000 2.63e-04 0.00e+00 0.51300  
## 381 -3.839 0.984000 1.30e-05 4.12e-05 0.12900  
## 382 -9.010 0.705000 9.74e-02 9.69e-01 0.76600  
## 383 -14.994 0.268000 7.03e-01 2.26e-01 0.47100  
## 384 -6.253 0.826000 2.87e-02 2.64e-06 0.03990  
## 385 -12.885 0.348000 9.55e-01 9.37e-01 0.36400  
## 386 -10.640 0.488000 2.58e-01 0.00e+00 0.35400  
## 387 -6.676 0.723000 9.02e-02 1.83e-03 0.30600  
## 388 -4.759 0.938000 3.01e-03 1.53e-04 0.35700  
## 389 -10.174 0.536000 1.99e-03 4.19e-01 0.74800  
## 390 -5.615 0.744000 7.44e-01 0.00e+00 0.90500  
## 391 -6.758 0.439000 1.45e-02 6.84e-01 0.40000  
## 392 -13.074 0.196000 8.87e-01 3.97e-04 0.11600  
## 393 -8.999 0.343000 6.78e-01 0.00e+00 0.40600  
## 394 -6.378 0.428000 2.10e-01 1.93e-01 0.18700  
## 395 -11.246 0.628000 3.14e-02 1.37e-06 0.78800  
## 396 -4.146 0.907000 5.24e-01 2.53e-05 0.60000  
## 397 -10.530 0.488000 7.33e-01 0.00e+00 0.50500  
## 398 -10.590 0.875000 3.58e-02 0.00e+00 0.49700  
## 399 -16.804 0.402000 7.31e-01 1.53e-01 0.63300  
## 400 -3.936 0.949000 4.16e-04 0.00e+00 0.60100  
## 401 -5.071 0.682000 2.67e-02 6.69e-04 0.35100  
## 402 -17.092 0.142000 9.87e-01 9.64e-01 0.03790  
## 403 -13.587 0.334000 9.75e-02 8.25e-01 0.65400  
## 404 -7.689 0.827000 4.65e-04 1.85e-02 0.96300  
## 405 -23.067 0.128000 8.49e-01 1.34e-05 0.06300  
## 406 -6.221 0.495000 4.52e-01 0.00e+00 0.38600  
## 407 -10.832 0.840000 1.92e-01 8.68e-01 0.09510  
## 408 -25.941 0.110000 9.91e-01 8.48e-01 0.89000  
## 409 -10.173 0.238000 9.90e-01 2.61e-01 0.71000  
## 410 -7.142 0.933000 1.21e-04 7.71e-01 0.70200  
## 411 -15.177 0.446000 4.49e-01 0.00e+00 0.87800  
## 412 -11.469 0.605000 9.44e-01 2.40e-02 0.70600  
## 413 -42.631 0.076500 9.89e-01 9.54e-01 0.33600  
## 414 -17.741 0.074000 8.53e-01 7.28e-06 0.24400  
## 415 -8.096 0.921000 3.85e-01 0.00e+00 0.67800  
## 416 -12.927 0.322000 4.74e-01 4.06e-03 0.27000  
## 417 -5.202 0.766000 4.65e-04 7.25e-06 0.19000  
## 418 -16.101 0.205000 6.98e-01 0.00e+00 0.30900  
## 419 -5.819 0.817000 3.37e-01 0.00e+00 0.90300  
## 420 -9.146 0.518000 6.53e-01 5.31e-01 0.37400  
## 421 -3.386 0.952000 2.06e-01 0.00e+00 0.91400  
## 422 -23.609 0.071300 9.87e-01 9.29e-01 0.14800  
## 423 -10.426 0.397000 1.32e-01 9.48e-01 0.29600  
## 424 -5.420 0.884000 4.04e-01 1.74e-01 0.05840  
## 425 -10.919 0.514000 4.11e-01 0.00e+00 0.79000  
## 426 -6.807 0.678000 8.97e-03 0.00e+00 0.63000  
## 427 -9.155 0.961000 8.48e-04 7.71e-01 0.08900  
## 428 -14.398 0.284000 2.88e-01 8.97e-01 0.04360  
## 429 -6.549 0.691000 3.05e-02 2.98e-04 0.22000  
## 430 -8.438 0.882000 2.35e-01 0.00e+00 0.52300  
## 431 -4.260 0.998000 1.34e-05 1.14e-02 0.03680  
## 432 -8.041 0.918000 1.46e-04 8.45e-01 0.51000  
## 433 -4.487 0.852000 7.74e-03 2.60e-06 0.42800  
## 434 -9.582 0.697000 1.30e-01 0.00e+00 0.55100  
## 435 -5.648 0.558000 8.60e-01 1.01e-04 0.37000  
## 436 -4.898 0.754000 5.68e-01 0.00e+00 0.69600  
## 437 -9.724 0.864000 1.78e-04 8.01e-01 0.56700  
## 438 -11.000 0.697000 3.35e-05 8.21e-01 0.65400  
## 439 -5.102 0.872000 1.52e-01 0.00e+00 0.59600  
## 440 -14.860 0.411000 3.23e-01 3.93e-05 0.26100  
## 441 -9.391 0.429000 4.12e-01 2.49e-06 0.89700  
## 442 -8.423 0.571000 6.92e-01 2.01e-06 0.39900  
## 443 -5.008 0.882000 1.82e-02 0.00e+00 0.59400  
## 444 -10.911 0.716000 1.82e-02 1.70e-01 0.96300  
## 445 -11.164 0.496000 3.09e-02 8.36e-05 0.71700  
## 446 -7.791 0.623000 7.32e-01 3.17e-03 0.55600  
## 447 -16.740 0.156000 9.63e-01 0.00e+00 0.12800  
## 448 -8.363 0.645000 5.43e-01 0.00e+00 0.90100  
## 449 -8.470 0.521000 7.99e-03 2.94e-01 0.70700  
## 450 -4.240 0.867000 1.36e-01 3.06e-06 0.91300  
## 451 -10.537 0.609000 3.75e-03 1.91e-02 0.91300  
## 452 -8.328 0.749000 2.65e-01 1.18e-06 0.84800  
## 453 -6.392 0.539000 3.84e-02 0.00e+00 0.23500  
## 454 -22.375 0.998000 1.26e-01 9.89e-01 0.00001  
## 455 -12.935 0.430000 3.95e-01 1.01e-06 0.53700  
## 456 -7.844 0.351000 7.13e-01 0.00e+00 0.45700  
## 457 -11.214 0.414000 1.45e-01 1.23e-04 0.40100  
## 458 -3.600 0.994000 6.36e-06 7.48e-01 0.03180  
## 459 -3.157 0.849000 2.23e-05 2.12e-04 0.26600  
## 460 -27.259 0.104000 6.07e-01 9.56e-01 0.07010  
## 461 -10.264 0.761000 2.62e-06 9.69e-01 0.50600  
## 462 -10.497 0.414000 9.36e-01 3.34e-04 0.35800  
## 463 -12.474 0.298000 7.54e-01 4.60e-01 0.23200  
## 464 -12.716 0.298000 9.34e-01 0.00e+00 0.37300  
## 465 -13.308 0.197000 9.50e-01 7.39e-06 0.68900  
## 466 -6.024 0.693000 2.08e-01 0.00e+00 0.24500  
## 467 -9.514 0.578000 4.69e-02 1.93e-03 0.48500  
## 468 -7.956 0.684000 6.22e-02 2.58e-03 0.39300  
## 469 -2.441 0.829000 6.01e-02 3.42e-06 0.69800  
## 470 -7.179 0.826000 3.22e-02 6.29e-03 0.94500  
## 471 -6.183 0.808000 1.21e-02 8.78e-01 0.30300  
## 472 -3.155 0.995000 4.06e-02 1.01e-06 0.68600  
## 473 -7.950 0.673000 2.59e-01 7.62e-06 0.77900  
## 474 -1.134 0.874000 1.50e-01 1.54e-06 0.67100  
## 475 -4.515 0.719000 2.67e-03 0.00e+00 0.34500  
## 476 -5.631 0.505000 4.75e-01 1.68e-05 0.23900  
## 477 -12.831 0.358000 1.32e-01 7.24e-05 0.78100  
## 478 -11.529 0.387000 7.42e-01 4.06e-04 0.83200  
## 479 -7.074 0.754000 5.09e-03 8.69e-01 0.12800  
## 480 -14.474 0.268000 7.56e-04 5.44e-02 0.06150  
## 481 -16.001 0.324000 2.04e-01 0.00e+00 0.57000  
## 482 -14.366 0.295000 2.44e-01 9.13e-01 0.08190  
## 483 -11.573 0.595000 3.74e-01 8.05e-01 0.64400  
## 484 -10.022 0.531000 1.06e-02 0.00e+00 0.13900  
## 485 -10.574 0.217000 8.81e-01 0.00e+00 0.47900  
## 486 -23.347 0.187000 9.78e-01 1.59e-01 0.22500  
## 487 -3.033 0.983000 6.66e-03 0.00e+00 0.58900  
## 488 -8.985 0.526000 6.17e-04 1.68e-01 0.51900  
## 489 -7.845 0.632000 6.08e-01 3.64e-03 0.79200  
## 490 -5.670 0.872000 5.90e-01 0.00e+00 0.94200  
## 491 -4.418 0.833000 1.78e-01 4.79e-06 0.33900  
## 492 -24.807 0.435000 6.33e-01 1.93e-01 0.64400  
## 493 -19.495 0.190000 6.80e-01 9.24e-01 0.03800  
## 494 -10.465 0.524000 9.43e-01 9.70e-01 0.95400  
## 495 -7.724 0.609000 3.59e-01 0.00e+00 0.09880  
## 496 -8.552 0.481000 2.46e-01 0.00e+00 0.44300  
## 497 -18.774 0.109000 8.20e-01 0.00e+00 0.55800  
## 498 -13.787 0.466000 6.36e-01 6.12e-01 0.70600  
## 499 -12.196 0.730000 3.07e-01 2.46e-05 0.51900  
## 500 -3.288 0.953000 2.69e-06 7.67e-01 0.28500  
## 501 -4.431 0.620000 1.74e-02 5.00e-05 0.47400  
## 502 -12.878 0.647000 1.08e-01 1.39e-03 0.80400  
## 503 -1.730 0.900000 1.92e-02 0.00e+00 0.70600  
## 504 -4.209 0.912000 2.66e-01 0.00e+00 0.41700  
## 505 -4.683 0.697000 1.21e-01 0.00e+00 0.24000  
## 506 -4.671 0.572000 6.87e-01 0.00e+00 0.69700  
## 507 -14.443 0.336000 7.06e-03 6.66e-01 0.12700  
## 508 -4.436 0.834000 1.72e-02 2.29e-04 0.90400  
## 509 -13.359 0.262000 9.04e-01 7.94e-03 0.06490  
## 510 -5.579 0.810000 6.37e-04 7.48e-02 0.28800  
## 511 -8.577 0.511000 2.98e-01 0.00e+00 0.11300  
## 512 -14.460 0.212000 9.19e-01 1.11e-03 0.56100  
## 513 -6.802 0.625000 5.06e-01 0.00e+00 0.85500  
## 514 -8.113 0.603000 4.64e-01 0.00e+00 0.28500  
## 515 -3.488 0.919000 7.37e-02 3.39e-04 0.80400  
## 516 -2.684 0.890000 1.19e-02 5.97e-05 0.39400  
## 517 -8.506 0.750000 2.20e-01 0.00e+00 0.52500  
## 518 -14.207 0.346000 6.01e-01 1.31e-02 0.45900  
## 519 -5.342 0.660000 3.67e-02 6.40e-05 0.61700  
## 520 -9.460 0.574000 4.04e-01 0.00e+00 0.37400  
## 521 -6.177 0.728000 1.78e-01 0.00e+00 0.59400  
## 522 -4.030 0.932000 9.29e-03 1.34e-06 0.24800  
## 523 -5.693 0.701000 8.92e-03 3.09e-01 0.35600  
## 524 -8.004 0.624000 5.01e-01 0.00e+00 0.72500  
## 525 -7.576 0.725000 1.88e-01 0.00e+00 0.76300  
## 526 -5.220 0.889000 4.30e-05 9.07e-03 0.14100  
## 527 -10.702 0.326000 9.02e-01 1.39e-05 0.25100  
## 528 -7.897 0.467000 9.54e-03 0.00e+00 0.14200  
## 529 -5.253 0.890000 3.19e-02 1.08e-03 0.73000  
## 530 -6.884 0.564000 9.98e-02 3.28e-05 0.27100  
## 531 -9.373 0.650000 7.33e-01 2.84e-02 0.96100  
## 532 -10.417 0.429000 8.26e-01 8.17e-01 0.11200  
## 533 -7.442 0.583000 5.24e-01 4.05e-06 0.23200  
## 534 -19.658 0.374000 7.54e-01 8.75e-01 0.64100  
## 535 -4.402 0.878000 3.56e-01 0.00e+00 0.83900  
## 536 -10.390 0.334000 6.95e-01 5.42e-05 0.25600  
## 537 -6.558 0.802000 3.67e-01 0.00e+00 0.83300  
## 538 -4.726 0.738000 2.25e-01 0.00e+00 0.62400  
## 539 -15.552 0.226000 9.30e-01 1.03e-05 0.65700  
## 540 -6.923 0.662000 5.10e-01 1.98e-04 0.54200  
## 541 -12.285 0.541000 7.69e-01 0.00e+00 0.84400  
## 542 -8.167 0.671000 6.94e-01 0.00e+00 0.86000  
## 543 -9.073 0.511000 3.53e-01 7.66e-01 0.11500  
## 544 -17.342 0.134000 9.93e-01 9.21e-01 0.06800  
## 545 -9.654 0.530000 3.15e-02 1.23e-04 0.75100  
## 546 -8.845 0.567000 3.15e-01 0.00e+00 0.18600  
## 547 -4.454 0.913000 2.80e-03 2.08e-02 0.34100  
## 548 -12.501 0.342000 6.17e-01 1.61e-04 0.49700  
## 549 -5.835 0.615000 1.02e-01 2.56e-01 0.53500  
## 550 -5.253 0.844000 1.81e-05 1.96e-03 0.65800  
## 551 -5.119 0.940000 7.69e-04 9.42e-05 0.36900  
## 552 -2.734 0.906000 3.44e-01 0.00e+00 0.85100  
## 553 -21.549 0.165000 7.35e-02 7.78e-01 0.03740  
## 554 -5.565 0.703000 1.92e-02 0.00e+00 0.66200  
## 555 -7.771 0.414000 1.82e-03 2.10e-03 0.18000  
## 556 -7.745 0.804000 7.06e-03 4.34e-04 0.59900  
## 557 -5.951 0.782000 4.71e-02 6.70e-05 0.80500  
## 558 -2.897 0.991000 5.26e-03 0.00e+00 0.75400  
## 559 -2.843 0.979000 1.74e-01 2.88e-04 0.78300  
## 560 -1.449 0.945000 3.13e-02 1.61e-04 0.55500  
## 561 -23.672 0.208000 9.22e-01 6.13e-01 0.14500  
## 562 -3.153 0.960000 7.79e-04 0.00e+00 0.26300  
## 563 -5.076 0.680000 1.10e-01 0.00e+00 0.43800  
## 564 -15.143 0.181000 8.88e-01 4.99e-04 0.10600  
## 565 -13.445 0.818000 2.52e-03 8.19e-01 0.19300  
## 566 -12.578 0.337000 8.55e-01 0.00e+00 0.48600  
## 567 -4.141 0.861000 3.18e-01 1.82e-03 0.58000  
## 568 -9.760 0.674000 1.00e-04 8.62e-01 0.26700  
## 569 -6.363 0.499000 5.78e-01 0.00e+00 0.28800  
## 570 -4.919 0.884000 2.37e-01 0.00e+00 0.78100  
## 571 -5.749 0.802000 6.47e-03 7.78e-02 0.38300  
## 572 -5.079 0.810000 7.25e-02 3.69e-01 0.21000  
## 573 -12.989 0.210000 8.84e-01 0.00e+00 0.30500  
## 574 -7.558 0.844000 1.56e-02 7.04e-01 0.03840  
## 575 -11.218 0.177000 9.38e-01 8.49e-05 0.44900  
## 576 -11.566 0.137000 9.51e-01 1.35e-05 0.36300  
## 577 -7.110 0.800000 7.69e-02 2.67e-02 0.38100  
## 578 -4.002 0.709000 6.46e-01 0.00e+00 0.81700  
## 579 -16.685 0.272000 9.68e-01 9.06e-02 0.13800  
## 580 -4.436 0.976000 9.17e-04 7.07e-06 0.61700  
## 581 -9.513 0.387000 7.48e-01 5.59e-04 0.15300  
## 582 -10.341 0.294000 8.59e-01 6.22e-05 0.53000  
## 583 -5.208 0.990000 1.57e-01 8.02e-01 0.25200  
## 584 -5.985 0.715000 4.30e-01 0.00e+00 0.46500  
## 585 -4.808 0.953000 3.11e-03 3.02e-04 0.24100  
## 586 -8.689 0.538000 1.83e-01 9.99e-01 0.24100  
## 587 -5.898 0.620000 4.24e-02 0.00e+00 0.52800  
## 588 -10.077 0.473000 8.01e-01 8.39e-04 0.20900  
## 589 -5.575 0.701000 9.21e-02 5.58e-01 0.26500  
## 590 -4.911 0.827000 2.12e-01 0.00e+00 0.69000  
## 591 -5.666 0.913000 4.80e-01 0.00e+00 0.83300  
## 592 -8.913 0.492000 5.99e-01 7.06e-06 0.61300  
## 593 -8.647 0.644000 7.76e-01 0.00e+00 0.45100  
## 594 -8.545 0.552000 3.74e-01 0.00e+00 0.64700  
## 595 -23.408 0.076800 9.60e-01 8.24e-01 0.07000  
## 596 -9.384 0.370000 8.29e-01 9.76e-04 0.27400  
## 597 -16.943 0.519000 1.00e-03 2.57e-01 0.87400  
## 598 -11.148 0.181000 9.40e-01 0.00e+00 0.25900  
## 599 -8.603 0.502000 3.76e-01 5.16e-06 0.19600  
## 600 -3.214 0.929000 2.59e-04 2.26e-06 0.59000  
## 601 -13.587 0.768000 7.95e-03 4.35e-03 0.86000  
## 602 -4.086 0.663000 2.16e-02 3.56e-04 0.52500  
## 603 -6.492 0.670000 3.94e-01 0.00e+00 0.87200  
## 604 -7.258 0.905000 1.99e-04 9.41e-01 0.47300  
## 605 -3.572 0.799000 3.62e-01 0.00e+00 0.66100  
## 606 -13.208 0.343000 7.13e-01 1.23e-05 0.98100  
## 607 -20.484 0.224000 9.87e-01 8.78e-01 0.15600  
## 608 -4.835 0.917000 3.10e-06 5.08e-01 0.47400  
## 609 -4.869 0.907000 2.29e-02 0.00e+00 0.66000  
## 610 -9.797 0.564000 7.07e-01 0.00e+00 0.61600  
## 611 -10.163 0.636000 6.97e-03 2.32e-03 0.72600  
## 612 -5.905 0.641000 5.34e-01 0.00e+00 0.25200  
## 613 -4.693 0.784000 7.81e-03 0.00e+00 0.84600  
## 614 -13.686 0.752000 1.03e-02 6.53e-03 0.39000  
## 615 -6.568 0.962000 1.11e-06 8.98e-01 0.29400  
## 616 -12.735 0.687000 4.17e-03 4.32e-01 0.43900  
## 617 -15.900 0.461000 6.75e-01 8.96e-01 0.15000  
## 618 -26.015 0.091200 9.44e-01 9.34e-01 0.11700  
## 619 -6.743 0.698000 4.09e-01 1.60e-04 0.68700  
## 620 -5.318 0.790000 1.20e-05 9.01e-01 0.15000  
## 621 -6.096 0.850000 5.47e-01 2.56e-06 0.96600  
## 622 -5.137 0.891000 8.79e-02 3.04e-04 0.64000  
## 623 -12.484 0.340000 8.29e-01 5.45e-03 0.31500  
## 624 -7.574 0.387000 4.63e-01 8.33e-01 0.11900  
## 625 -7.775 0.786000 7.13e-01 0.00e+00 0.83600  
## 626 -9.869 0.527000 4.65e-01 0.00e+00 0.96700  
## 627 -3.847 0.892000 3.17e-05 5.39e-05 0.45400  
## 628 -7.165 0.531000 1.88e-01 3.58e-01 0.38800  
## 629 -19.777 0.029800 9.86e-01 8.93e-01 0.18300  
## 630 -9.084 0.411000 5.12e-01 3.26e-02 0.19100  
## 631 -12.225 0.557000 2.27e-01 1.11e-03 0.79600  
## 632 -6.669 0.939000 4.03e-01 0.00e+00 0.62000  
## 633 -3.307 0.980000 1.18e-03 5.06e-06 0.32700  
## 634 -5.181 0.773000 2.80e-02 0.00e+00 0.27400  
## 635 -5.634 0.919000 4.20e-03 0.00e+00 0.85600  
## 636 -4.679 0.966000 3.29e-04 6.10e-05 0.21500  
## 637 -11.092 0.405000 6.56e-01 0.00e+00 0.49700  
## 638 -27.093 0.005350 9.55e-01 1.00e+00 0.00001  
## 639 -14.760 0.290000 6.11e-01 9.11e-01 0.03940  
## 640 -3.865 0.880000 4.04e-01 1.91e-04 0.75800  
## 641 -6.466 0.687000 1.55e-01 9.28e-05 0.65100  
## 642 -6.244 0.741000 6.17e-01 0.00e+00 0.63600  
## 643 -3.982 0.915000 4.82e-01 0.00e+00 0.50100  
## 644 -8.743 0.880000 2.41e-02 9.31e-01 0.05310  
## 645 -6.510 0.724000 1.27e-01 1.40e-03 0.50700  
## 646 -5.772 0.781000 1.03e-01 0.00e+00 0.49400  
## 647 -7.238 0.593000 2.57e-02 9.47e-01 0.47500  
## 648 -2.214 0.960000 6.64e-05 4.01e-05 0.46100  
## 649 -9.304 0.344000 6.02e-01 0.00e+00 0.40700  
## 650 -17.024 0.084500 9.92e-01 9.36e-01 0.18300  
## 651 -5.555 0.935000 5.06e-06 1.53e-04 0.30700  
## 652 -12.691 0.633000 7.82e-01 8.41e-01 0.50600  
## 653 -3.468 0.610000 2.17e-01 0.00e+00 0.59600  
## 654 -3.245 0.942000 3.90e-04 6.36e-06 0.24200  
## 655 -9.085 0.616000 8.53e-01 3.86e-05 0.43500  
## 656 -11.224 0.599000 1.83e-02 3.54e-01 0.17100  
## 657 -4.148 0.742000 3.50e-02 0.00e+00 0.60500  
## 658 -14.289 0.468000 3.03e-03 9.14e-01 0.18800  
## 659 -12.631 0.821000 3.67e-01 7.16e-01 0.15000  
## 660 -11.745 0.587000 3.38e-01 3.44e-01 0.57900  
## 661 -13.557 0.337000 1.54e-01 3.97e-01 0.67700  
## 662 -10.594 0.290000 9.01e-01 9.33e-05 0.67100  
## 663 -4.329 0.845000 1.33e-01 1.87e-05 0.83000  
## 664 -3.224 0.806000 3.59e-01 0.00e+00 0.65600  
## 665 -2.495 0.970000 4.60e-02 0.00e+00 0.48300  
## 666 -4.760 0.728000 7.18e-01 0.00e+00 0.67700  
## 667 -2.138 0.960000 2.42e-01 0.00e+00 0.84100  
## 668 -5.877 0.876000 1.94e-01 1.86e-06 0.67600  
## 669 -12.259 0.590000 3.02e-01 8.79e-01 0.87200  
## 670 -5.065 0.828000 1.36e-01 3.28e-02 0.80600  
## 671 -10.079 0.406000 8.45e-01 9.85e-04 0.66400  
## 672 -16.777 0.164000 9.78e-01 3.84e-01 0.09300  
## 673 -7.571 0.472000 2.05e-02 5.07e-06 0.50000  
## 674 -3.741 0.878000 1.83e-01 0.00e+00 0.54200  
## 675 -7.123 0.822000 9.89e-04 1.14e-01 0.60100  
## 676 -15.239 0.277000 5.31e-01 8.43e-01 0.07840  
## 677 -11.722 0.314000 4.68e-01 8.74e-01 0.16700  
## 678 -16.524 0.178000 5.92e-01 0.00e+00 0.26200  
## 679 -9.795 0.315000 9.49e-01 2.02e-01 0.06060  
## 680 -2.243 0.912000 6.12e-02 0.00e+00 0.82400  
## 681 -4.601 0.536000 6.41e-01 0.00e+00 0.40900  
## 682 -23.069 0.144000 9.90e-01 6.98e-01 0.17200  
## 683 -13.521 0.400000 5.38e-01 3.65e-05 0.82300  
## 684 -5.327 0.978000 8.55e-05 1.41e-04 0.55800  
## 685 -3.603 0.918000 3.87e-01 0.00e+00 0.73800  
## 686 -8.514 0.763000 1.50e-02 4.81e-03 0.43100  
## 687 -4.867 0.836000 2.02e-03 0.00e+00 0.30300  
## 688 -3.464 0.854000 1.33e-01 8.09e-06 0.79200  
## 689 -6.259 0.923000 7.71e-01 0.00e+00 0.37100  
## 690 -4.540 0.706000 6.38e-01 0.00e+00 0.79000  
## 691 -3.904 0.974000 3.91e-01 2.78e-05 0.39000  
## 692 -26.860 0.018900 9.67e-01 8.95e-01 0.16700  
## 693 -6.658 0.834000 1.42e-01 1.07e-03 0.83400  
## 694 -6.291 0.830000 7.37e-01 0.00e+00 0.81200  
## 695 -5.111 0.940000 2.45e-03 5.50e-03 0.09960  
## 696 -7.724 0.424000 4.98e-01 0.00e+00 0.25600  
## 697 -8.379 0.446000 7.56e-01 8.16e-01 0.18000  
## 698 -13.388 0.527000 3.83e-01 9.03e-01 0.26400  
## 699 -8.171 0.464000 3.45e-01 9.15e-01 0.43600  
## 700 -7.861 0.731000 1.64e-01 3.83e-04 0.22400  
## 701 -11.080 0.506000 3.19e-01 4.56e-01 0.25200  
## 702 -5.263 0.844000 7.91e-04 9.54e-05 0.14100  
## 703 -8.277 0.696000 8.50e-02 1.60e-05 0.82200  
## 704 -7.265 0.601000 2.50e-01 3.22e-06 0.16700  
## 705 -5.771 0.908000 5.55e-02 1.04e-06 0.41900  
## 706 -3.921 0.983000 2.38e-04 4.89e-06 0.66100  
## 707 -4.275 0.869000 1.42e-02 2.41e-03 0.18500  
## 708 -4.748 0.914000 1.06e-03 0.00e+00 0.34500  
## 709 -4.150 0.977000 5.39e-04 0.00e+00 0.42700  
## 710 -9.291 0.621000 6.89e-01 9.63e-01 0.19300  
## 711 -28.822 0.094900 9.85e-01 8.83e-01 0.02930  
## 712 -12.221 0.076700 9.79e-01 0.00e+00 0.33300  
## 713 -8.796 0.714000 1.27e-02 9.03e-01 0.65600  
## 714 -4.165 0.925000 1.28e-04 2.38e-04 0.24500  
## 715 -16.053 0.967000 8.67e-03 0.00e+00 0.03890  
## 716 -13.358 0.311000 9.80e-01 0.00e+00 0.26900  
## 717 -25.641 0.194000 8.49e-01 0.00e+00 0.33200  
## 718 -7.181 0.532000 6.02e-01 5.74e-06 0.25600  
## 719 -10.564 0.478000 7.36e-02 4.52e-06 0.19200  
## 720 -5.882 0.974000 2.65e-03 1.28e-04 0.94300  
## 721 -10.609 0.408000 2.70e-01 6.53e-06 0.17000  
## 722 -20.259 0.031900 9.89e-01 9.43e-01 0.04300  
## 723 -5.038 0.832000 1.11e-01 0.00e+00 0.34000  
## 724 -2.548 0.862000 2.01e-01 0.00e+00 0.91700  
## 725 -8.160 0.346000 7.86e-01 0.00e+00 0.58000  
## 726 -4.804 0.944000 2.25e-03 2.76e-01 0.45400  
## 727 -3.706 0.786000 2.13e-01 0.00e+00 0.79000  
## 728 -6.553 0.845000 3.24e-02 0.00e+00 0.61300  
## 729 -3.282 0.948000 2.95e-01 0.00e+00 0.88300  
## 730 -10.468 0.294000 9.92e-01 1.47e-01 0.62300  
## 731 -14.911 0.398000 5.49e-01 1.05e-01 0.17400  
## 732 -3.629 0.908000 2.93e-04 5.65e-06 0.33600  
## 733 -4.448 0.774000 1.30e-02 0.00e+00 0.70500  
## 734 -4.662 0.905000 3.67e-02 1.41e-05 0.38300  
## 735 -6.156 0.419000 3.09e-01 0.00e+00 0.37300  
## 736 -11.316 0.602000 3.51e-02 8.19e-01 0.66200  
## 737 -24.504 0.058800 9.92e-01 9.06e-01 0.03440  
## 738 -9.573 0.207000 6.08e-01 0.00e+00 0.26400  
## 739 -5.586 0.771000 9.13e-02 0.00e+00 0.90300  
## 740 -3.500 0.999000 5.42e-02 0.00e+00 0.68000  
## 741 -10.870 0.397000 7.10e-01 0.00e+00 0.21400  
## 742 -4.903 0.953000 4.32e-04 5.47e-02 0.37700  
## 743 -8.455 0.697000 3.16e-01 7.63e-01 0.37700  
## 744 -4.690 0.879000 9.54e-05 7.45e-03 0.48400  
## 745 -5.909 0.821000 1.59e-01 0.00e+00 0.58500  
## 746 -11.234 0.267000 9.27e-01 1.88e-06 0.36800  
## 747 -4.610 0.613000 8.31e-01 2.72e-02 0.66900  
## 748 -28.662 0.053200 5.63e-01 8.89e-01 0.02100  
## 749 -6.221 0.599000 1.55e-02 2.60e-05 0.16200  
## 750 -10.189 0.388000 1.89e-01 1.88e-04 0.28200  
## 751 -5.414 0.793000 1.37e-02 0.00e+00 0.75100  
## 752 -15.561 0.183000 8.62e-01 0.00e+00 0.55600  
## 753 -8.027 0.542000 1.90e-02 6.39e-03 0.15100  
## 754 -13.970 0.967000 2.48e-05 9.32e-01 0.88600  
## 755 -4.638 0.971000 1.60e-05 8.06e-02 0.10800  
## 756 -10.719 0.298000 7.25e-01 0.00e+00 0.88400  
## 757 -10.326 0.530000 4.18e-01 1.58e-04 0.81800  
## 758 -3.894 0.977000 1.77e-01 4.98e-03 0.30100  
## 759 -4.819 0.963000 3.11e-02 1.08e-03 0.74200  
## 760 -5.680 0.932000 3.41e-03 8.23e-02 0.82000  
## 761 -5.690 0.983000 1.68e-02 1.29e-01 0.48800  
## 762 -13.301 0.383000 4.60e-01 9.05e-01 0.03520  
## 763 -4.942 0.712000 2.00e-01 0.00e+00 0.77800  
## 764 -18.743 0.998000 2.48e-01 9.21e-01 0.00001  
## 765 -9.965 0.479000 3.39e-01 3.53e-04 0.35400  
## 766 -16.023 0.177000 8.85e-01 9.82e-05 0.47200  
## 767 -10.366 0.329000 7.25e-01 8.51e-06 0.25500  
## 768 -12.245 0.182000 8.93e-01 0.00e+00 0.44600  
## 769 -16.187 0.196000 7.97e-01 1.61e-06 0.58300  
## 770 -11.319 0.244000 8.48e-01 5.96e-05 0.16700  
## 771 -8.959 0.685000 5.09e-02 1.08e-06 0.43600  
## 772 -6.229 0.501000 8.90e-02 3.18e-06 0.30400  
## 773 -8.682 0.724000 4.77e-01 9.65e-01 0.79300  
## 774 -10.409 0.332000 9.90e-01 1.64e-04 0.33200  
## 775 -12.047 0.356000 4.48e-02 9.21e-01 0.03830  
## 776 -3.627 0.955000 4.80e-03 0.00e+00 0.66500  
## 777 -6.199 0.745000 1.48e-01 1.26e-03 0.30200  
## 778 -2.594 0.851000 6.65e-02 0.00e+00 0.73300  
## 779 -31.641 0.136000 4.11e-01 8.09e-01 0.05490  
## 780 -5.230 0.824000 5.29e-01 0.00e+00 0.84600  
## 781 -4.326 0.931000 3.70e-04 4.87e-01 0.92900  
## 782 -4.992 0.872000 7.93e-04 6.20e-04 0.78800  
## 783 -8.403 0.297000 7.17e-01 6.21e-05 0.07100  
## 784 -7.825 0.625000 1.58e-01 2.23e-04 0.71200  
## 785 -10.709 0.383000 6.31e-02 1.27e-04 0.34800  
## 786 -11.367 0.607000 7.20e-02 8.52e-04 0.88600  
## 787 -6.015 0.752000 2.01e-01 0.00e+00 0.70700  
## 788 -2.922 0.975000 1.71e-04 2.11e-04 0.33100  
## 789 -6.213 0.843000 4.21e-02 0.00e+00 0.61200  
## 790 -18.505 0.262000 2.44e-01 8.79e-01 0.04050  
## 791 -6.914 0.993000 2.26e-01 9.17e-01 0.27900  
## 792 -10.778 0.573000 4.96e-01 0.00e+00 0.54900  
## 793 -30.204 0.001080 9.52e-01 9.91e-01 0.00000  
## 794 -20.006 0.103000 9.79e-01 9.66e-01 0.03520  
## 795 -20.019 0.029600 8.12e-01 9.25e-01 0.02980  
## 796 -4.990 0.752000 1.60e-03 1.78e-05 0.74100  
## 797 -2.329 0.982000 5.26e-05 1.31e-04 0.43900  
## 798 -3.674 0.900000 1.16e-01 1.75e-05 0.59900  
## 799 -12.876 0.146000 9.76e-01 8.99e-01 0.28600  
## 800 -7.329 0.613000 4.40e-01 0.00e+00 0.60500  
## 801 -14.326 0.205000 6.83e-01 9.65e-05 0.19600  
## 802 -6.910 0.776000 6.29e-01 1.20e-06 0.72200  
## 803 -3.075 0.971000 1.07e-02 2.15e-05 0.32000  
## 804 -3.088 0.910000 9.74e-02 4.29e-04 0.55600  
## 805 -12.132 0.800000 6.93e-03 8.87e-04 0.57400  
## 806 -9.601 0.543000 7.10e-01 1.59e-03 0.62100  
## 807 -13.260 0.236000 8.83e-01 1.27e-04 0.44700  
## 808 -4.957 0.809000 2.24e-01 0.00e+00 0.68900  
## 809 -6.879 0.601000 1.23e-02 2.37e-04 0.55200  
## 810 -4.413 0.952000 2.55e-04 4.32e-02 0.09900  
## 811 -2.966 0.811000 6.39e-01 0.00e+00 0.79500  
## 812 -4.400 0.793000 1.52e-01 0.00e+00 0.49400  
## 813 -11.099 0.243000 8.44e-01 4.99e-01 0.34000  
## 814 -4.115 0.973000 4.58e-05 3.26e-03 0.15900  
## 815 -6.942 0.631000 2.07e-01 2.49e-01 0.37400  
## 816 -7.734 0.631000 5.25e-02 8.33e-02 0.18400  
## 817 -4.297 0.679000 1.91e-01 1.75e-03 0.08880  
## 818 -6.708 0.832000 8.68e-04 1.28e-03 0.75000  
## 819 -8.962 0.261000 9.77e-01 2.85e-03 0.17300  
## 820 -10.073 0.313000 7.89e-01 0.00e+00 0.62500  
## 821 -7.615 0.268000 8.03e-01 2.04e-01 0.79100  
## 822 -7.250 0.628000 2.87e-01 4.98e-03 0.35400  
## 823 -18.190 0.282000 5.13e-01 2.47e-05 0.29000  
## 824 -8.517 0.752000 4.97e-01 3.59e-06 0.86100  
## 825 -7.282 0.699000 3.84e-01 8.13e-01 0.06220  
## 826 -2.109 0.926000 4.26e-03 1.59e-05 0.87900  
## 827 -6.098 0.425000 8.20e-01 0.00e+00 0.51800  
## 828 -12.155 0.307000 4.94e-01 0.00e+00 0.61400  
## 829 -5.346 0.805000 4.45e-01 2.84e-05 0.93400  
## 830 -14.771 0.742000 4.33e-03 8.89e-01 0.82100  
## 831 -4.742 0.897000 1.73e-02 5.95e-03 0.92400  
## 832 -13.545 0.144000 9.76e-01 4.65e-01 0.54300  
## 833 -12.769 0.440000 3.40e-01 9.52e-01 0.88400  
## 834 -3.818 0.815000 4.00e-02 0.00e+00 0.38600  
## 835 -3.466 0.971000 3.66e-03 3.75e-03 0.48300  
## 836 -1.844 0.948000 4.06e-02 6.41e-03 0.47700  
## 837 -16.330 0.574000 1.35e-01 4.34e-01 0.41600  
## 838 -13.473 0.804000 7.66e-01 9.39e-01 0.40200  
## 839 -5.070 0.491000 5.79e-01 0.00e+00 0.18400  
## 840 -4.478 0.923000 1.18e-02 0.00e+00 0.88300  
## 841 -14.324 0.624000 5.49e-02 0.00e+00 0.69300  
## 842 -8.920 0.545000 8.38e-01 3.50e-06 0.32500  
## 843 -7.942 0.441000 4.99e-01 0.00e+00 0.46300  
## 844 -10.724 0.632000 1.12e-02 8.68e-01 0.34100  
## 845 -5.509 0.619000 5.33e-01 0.00e+00 0.41200  
## 846 -6.115 0.731000 4.64e-01 0.00e+00 0.72800  
## 847 -2.333 0.988000 1.82e-01 8.16e-06 0.36300  
## 848 -9.482 0.842000 1.33e-02 6.64e-01 0.39000  
## 849 -1.896 0.977000 5.94e-02 4.89e-06 0.60000  
## 850 -6.490 0.683000 3.13e-02 0.00e+00 0.38100  
## 851 -6.107 0.976000 2.25e-03 1.98e-05 0.45300  
## 852 -7.160 0.628000 4.83e-02 0.00e+00 0.70000  
## 853 -3.836 0.996000 4.68e-05 6.51e-05 0.06450  
## 854 -11.648 0.409000 5.07e-01 0.00e+00 0.61700  
## 855 -2.926 0.845000 3.03e-02 8.51e-03 0.50800  
## 856 -12.903 0.404000 3.28e-02 7.18e-05 0.09760  
## 857 -12.138 0.395000 6.40e-01 0.00e+00 0.58900  
## 858 -8.831 0.406000 1.09e-01 5.65e-01 0.03880  
## 859 -2.798 0.962000 6.85e-02 1.17e-03 0.80400  
## 860 -7.872 0.780000 1.21e-01 1.57e-03 0.82900  
## 861 -5.187 0.797000 1.99e-01 0.00e+00 0.38400  
## 862 -8.405 0.777000 2.17e-01 1.46e-02 0.71200  
## 863 -3.941 0.778000 2.23e-01 1.84e-05 0.52000  
## 864 -14.071 0.330000 2.59e-01 1.54e-01 0.10100  
## 865 -12.506 0.267000 8.08e-01 4.05e-05 0.47300  
## 866 -8.226 0.539000 5.26e-01 3.61e-06 0.71800  
## 867 -15.790 0.239000 9.90e-01 4.88e-03 0.07700  
## 868 -18.430 0.199000 9.48e-01 9.81e-01 0.05200  
## 869 -6.951 0.500000 9.88e-02 1.99e-05 0.55700  
## 870 -4.139 0.961000 4.15e-02 1.15e-06 0.32300  
## 871 -10.437 0.200000 9.93e-01 2.19e-04 0.66000  
## 872 -3.912 0.963000 8.97e-03 3.78e-03 0.17900  
## 873 -14.342 0.361000 1.63e-02 2.23e-05 0.20800  
## 874 -9.820 0.650000 8.83e-01 0.00e+00 0.42100  
## 875 -13.258 0.241000 6.25e-01 2.80e-05 0.66100  
## 876 -35.329 0.551000 9.30e-01 7.79e-01 0.03020  
## 877 -11.526 0.664000 3.94e-04 8.82e-01 0.26900  
## 878 -7.872 0.347000 8.70e-01 0.00e+00 0.25700  
## 879 -8.624 0.575000 4.41e-02 0.00e+00 0.13500  
## 880 -10.000 0.826000 1.93e-04 0.00e+00 0.49700  
## 881 -8.100 0.656000 6.89e-01 0.00e+00 0.64400  
## 882 -6.437 0.819000 7.43e-02 5.51e-05 0.68600  
## 883 -6.468 0.916000 6.11e-04 4.22e-01 0.19200  
## 884 -6.341 0.771000 1.46e-02 1.19e-03 0.57900  
## 885 -8.830 0.943000 5.44e-05 8.12e-01 0.53100  
## 886 -4.310 0.947000 1.67e-03 0.00e+00 0.37700  
## 887 -4.162 0.940000 1.24e-01 3.70e-05 0.53800  
## 888 -9.345 0.417000 1.36e-01 2.20e-02 0.47900  
## 889 -3.793 0.732000 4.24e-05 4.48e-01 0.27000  
## 890 -22.841 0.199000 9.95e-01 9.39e-01 0.58100  
## 891 -4.009 0.804000 5.73e-02 0.00e+00 0.35200  
## 892 -9.248 0.967000 2.19e-01 0.00e+00 0.16800  
## 893 -12.392 0.394000 1.22e-01 4.46e-02 0.44500  
## 894 -7.453 0.780000 1.54e-03 6.03e-01 0.48100  
## 895 -8.882 0.548000 9.62e-01 3.36e-06 0.49100  
## 896 -9.024 0.574000 3.29e-01 0.00e+00 0.74300  
## 897 -6.976 0.829000 3.79e-02 9.44e-04 0.54200  
## 898 -2.592 0.878000 1.52e-01 4.73e-06 0.82200  
## 899 -6.468 0.620000 1.76e-01 9.04e-05 0.49800  
## 900 -4.262 0.749000 6.44e-02 6.76e-06 0.82500  
## 901 -14.446 0.811000 2.64e-03 8.31e-01 0.96100  
## 902 -3.925 0.919000 1.70e-03 2.24e-01 0.68100  
## 903 -4.924 0.675000 7.86e-01 0.00e+00 0.53900  
## 904 -12.998 0.138000 9.30e-01 0.00e+00 0.28400  
## 905 -22.484 0.045900 9.95e-01 9.34e-01 0.08090  
## 906 -4.760 0.975000 9.36e-02 3.24e-05 0.66000  
## 907 -5.329 0.929000 5.55e-05 3.65e-02 0.65900  
## 908 -1.497 0.968000 2.33e-04 2.93e-01 0.61300  
## 909 -5.391 0.796000 1.84e-01 2.62e-05 0.73700  
## 910 -3.070 0.854000 2.00e-01 0.00e+00 0.82700  
## 911 -8.555 0.532000 5.40e-01 1.59e-01 0.90400  
## 912 -11.747 0.319000 7.03e-01 0.00e+00 0.53600  
## 913 -6.605 0.718000 8.92e-03 0.00e+00 0.93600  
## 914 -3.912 0.922000 7.61e-04 1.91e-04 0.68400  
## 915 -4.900 0.463000 9.36e-01 0.00e+00 0.89300  
## 916 -6.369 0.769000 5.32e-03 0.00e+00 0.66000  
## 917 -5.703 0.604000 2.18e-04 5.79e-04 0.63700  
## 918 -14.488 0.288000 6.22e-01 2.77e-06 0.52200  
## 919 -11.157 0.295000 7.88e-01 0.00e+00 0.46700  
## 920 -6.553 0.754000 5.45e-02 0.00e+00 0.38600  
## 921 -9.420 0.197000 9.92e-01 5.67e-06 0.60400  
## 922 -14.607 0.473000 4.43e-01 0.00e+00 0.88800  
## 923 -5.359 0.812000 2.60e-01 0.00e+00 0.85200  
## 924 -8.960 0.366000 9.62e-01 1.40e-01 0.24700  
## 925 -9.578 0.739000 2.37e-02 6.07e-01 0.13800  
## 926 -16.044 0.232000 5.18e-01 0.00e+00 0.25900  
## 927 -8.802 0.238000 7.41e-01 1.93e-03 0.30300  
## 928 -9.669 0.276000 8.77e-01 0.00e+00 0.29200  
## 929 -5.072 0.921000 7.27e-02 1.87e-04 0.37500  
## 930 -11.817 0.658000 3.47e-01 8.47e-01 0.02730  
## 931 -4.621 0.875000 1.37e-01 0.00e+00 0.77400  
## 932 -7.064 0.678000 4.74e-02 7.02e-06 0.55800  
## 933 -5.000 0.995000 3.37e-03 0.00e+00 0.29500  
## 934 -6.303 0.720000 6.09e-01 5.32e-01 0.71600  
## 935 -7.236 0.363000 8.22e-01 0.00e+00 0.22900  
## 936 -8.622 0.331000 4.34e-01 0.00e+00 0.25500  
## 937 -9.002 0.768000 1.01e-04 8.16e-02 0.46400  
## 938 -4.502 0.967000 2.71e-05 9.46e-01 0.20000  
## 939 -7.779 0.876000 1.07e-03 1.83e-06 0.53700  
## 940 -12.452 0.423000 6.92e-01 3.74e-06 0.94400  
## 941 -3.598 0.868000 1.17e-01 1.17e-04 0.47400  
## 942 -4.890 0.933000 1.85e-02 0.00e+00 0.78900  
## 943 -6.814 0.772000 4.46e-02 0.00e+00 0.52800  
## 944 -4.501 0.958000 1.65e-03 4.76e-02 0.12900  
## 945 -5.985 0.782000 4.96e-01 8.87e-02 0.96500  
## 946 -3.394 0.915000 1.52e-01 0.00e+00 0.82900  
## 947 -5.342 0.932000 4.99e-06 2.13e-05 0.31900  
## 948 -4.689 0.925000 1.09e-05 1.61e-04 0.77000  
## 949 -18.591 0.193000 5.34e-01 3.16e-06 0.44500  
## 950 -5.992 0.692000 7.62e-02 1.22e-03 0.37900  
## 951 -18.944 0.085800 9.92e-01 9.09e-01 0.15500  
## 952 -4.444 0.592000 2.84e-01 8.10e-05 0.23000  
## 953 -9.827 0.510000 1.23e-02 8.38e-05 0.78900  
## 954 -17.791 0.102000 9.53e-01 1.55e-01 0.51100  
## 955 -3.398 0.956000 1.89e-01 7.47e-02 0.96100  
## 956 -16.137 0.271000 9.30e-01 8.90e-01 0.04520  
## 957 -3.113 0.960000 2.01e-02 6.30e-05 0.66400  
## 958 -11.946 0.545000 3.30e-01 8.28e-01 0.08200  
## 959 -5.386 0.775000 8.47e-01 0.00e+00 0.49200  
## 960 -9.686 0.702000 7.46e-03 4.31e-03 0.73400  
## 961 -6.683 0.722000 7.16e-01 2.20e-03 0.19000  
## 962 -5.218 0.849000 1.08e-01 0.00e+00 0.58100  
## 963 -3.364 0.993000 4.12e-05 9.37e-05 0.43600  
## 964 -5.486 0.948000 5.86e-02 6.94e-01 0.84800  
## 965 -11.176 0.523000 9.50e-01 2.78e-06 0.64900  
## 966 -20.043 0.097100 9.84e-01 9.10e-01 0.15000  
## 967 -6.641 0.905000 2.75e-03 3.36e-02 0.39300  
## 968 -2.761 0.812000 1.87e-01 3.11e-06 0.86600  
## 969 -3.182 0.838000 2.31e-01 0.00e+00 0.46900  
## 970 -3.270 0.758000 8.94e-02 0.00e+00 0.54400  
## 971 -2.661 0.859000 1.65e-01 0.00e+00 0.77600  
## 972 -7.077 0.535000 8.12e-03 0.00e+00 0.23500  
## 973 -10.303 0.447000 8.09e-02 0.00e+00 0.23400  
## 974 -5.060 0.988000 1.10e-06 7.15e-01 0.45100  
## 975 -4.367 0.897000 2.58e-03 0.00e+00 0.58600  
## 976 -7.323 0.362000 3.64e-01 9.40e-01 0.52500  
## 977 -13.854 0.592000 7.21e-01 0.00e+00 0.46500  
## 978 -3.541 0.900000 1.02e-04 1.89e-05 0.88000  
## 979 -5.909 0.795000 1.34e-02 1.30e-04 0.41600  
## 980 -2.873 0.910000 6.06e-01 0.00e+00 0.54700  
## 981 -2.849 0.862000 3.22e-04 0.00e+00 0.61100  
## 982 -10.017 0.225000 9.30e-01 1.00e-03 0.42900  
## 983 -6.197 0.496000 4.86e-01 0.00e+00 0.48800  
## 984 -6.739 0.738000 3.03e-01 7.81e-01 0.62500  
## 985 -4.474 0.726000 1.99e-02 3.10e-06 0.40400  
## 986 -8.478 0.416000 8.21e-01 0.00e+00 0.85500  
## 987 -5.690 0.845000 4.03e-01 5.86e-04 0.81000  
## 988 -19.932 0.079700 9.93e-01 5.94e-01 0.13400  
## 989 -4.203 0.789000 2.38e-01 2.27e-04 0.60100  
## 990 -5.970 0.703000 2.07e-04 7.30e-03 0.40800  
## 991 -16.546 0.649000 9.78e-03 1.33e-04 0.74800  
## 992 -13.494 0.438000 1.37e-01 7.85e-04 0.55800  
## 993 -3.577 0.901000 3.59e-01 0.00e+00 0.96500  
## 994 -2.708 0.961000 2.26e-02 0.00e+00 0.53900  
## 995 -6.497 0.680000 2.42e-02 2.11e-06 0.22100  
## 996 -5.835 0.480000 6.12e-01 2.69e-01 0.67700  
## 997 -9.175 0.601000 3.78e-01 1.21e-04 0.63100  
## 998 -19.478 0.050000 1.17e-06 4.61e-01 0.00000  
## 999 -6.638 0.326000 7.05e-01 0.00e+00 0.62800  
## 1000 -23.234 0.248000 9.92e-01 9.29e-01 0.12200  
## 1001 -11.650 0.500000 8.64e-01 9.80e-02 0.21600  
## 1002 -7.706 0.571000 2.83e-01 1.31e-05 0.22200  
## 1003 -12.340 0.234000 9.91e-01 2.89e-02 0.14300  
## 1004 -6.833 0.602000 1.56e-01 0.00e+00 0.75300  
## 1005 -4.866 0.759000 5.43e-02 0.00e+00 0.86500  
## 1006 -8.609 0.830000 2.47e-01 3.18e-05 0.66100  
## 1007 -25.843 0.062000 9.94e-01 9.75e-01 0.44600  
## 1008 -11.674 0.640000 2.14e-01 2.47e-04 0.73100  
## 1009 -11.079 0.264000 1.64e-01 4.28e-06 0.78100  
## 1010 -5.843 0.832000 7.00e-01 0.00e+00 0.81500  
## 1011 -5.756 0.594000 4.19e-01 1.79e-03 0.52700  
## 1012 -12.584 0.806000 4.51e-03 8.22e-01 0.25500  
## 1013 -6.387 0.739000 1.68e-02 7.11e-04 0.75600  
## 1014 -4.056 0.811000 4.07e-01 0.00e+00 0.54100  
## 1015 -5.936 0.706000 1.71e-02 2.44e-02 0.14300  
## 1016 -4.517 0.970000 5.85e-04 2.29e-05 0.37900  
## 1017 -4.197 0.995000 3.00e-04 5.90e-04 0.27300  
## 1018 -4.386 0.714000 3.74e-03 3.02e-04 0.77000  
## 1019 -10.764 0.450000 9.17e-01 1.04e-03 0.57000  
## 1020 -13.644 0.295000 4.66e-01 2.48e-06 0.66900  
## 1021 -11.512 0.123000 8.51e-01 3.94e-02 0.16900  
## 1022 -8.743 0.861000 2.32e-01 6.63e-01 0.27500  
## 1023 -8.738 0.383000 5.62e-01 7.37e-05 0.76700  
## 1024 -13.530 0.265000 2.39e-01 4.90e-02 0.13300  
## 1025 -8.601 0.599000 4.39e-01 0.00e+00 0.96100  
## 1026 -8.649 0.643000 4.48e-03 9.51e-06 0.27200  
## 1027 -4.800 0.967000 5.11e-04 0.00e+00 0.08360  
## 1028 -7.157 0.927000 1.85e-01 1.08e-01 0.34200  
## 1029 -5.860 0.998000 1.28e-03 4.66e-01 0.37000  
## 1030 -10.369 0.427000 7.34e-01 8.09e-04 0.79700  
## 1031 -13.915 0.504000 1.24e-01 8.82e-01 0.09360  
## 1032 -6.444 0.689000 9.15e-02 0.00e+00 0.34900  
## 1033 -20.231 0.224000 5.45e-02 9.50e-01 0.03880  
## 1034 -5.003 0.971000 3.18e-02 1.18e-06 0.50600  
## 1035 -9.264 0.484000 4.67e-01 0.00e+00 0.39700  
## 1036 -13.008 0.375000 3.67e-01 9.40e-01 0.09950  
## 1037 -6.445 0.948000 5.05e-06 4.95e-01 0.21100  
## 1038 -14.025 0.284000 9.32e-01 4.76e-04 0.20800  
## 1039 -14.401 0.114000 5.08e-01 2.19e-06 0.44500  
## 1040 -25.418 0.139000 9.27e-01 9.03e-01 0.03930  
## 1041 -5.809 0.718000 2.61e-02 1.73e-03 0.18900  
## 1042 -12.102 0.384000 8.12e-01 0.00e+00 0.24100  
## 1043 -9.227 0.685000 1.04e-01 3.57e-01 0.03950  
## 1044 -3.263 0.985000 8.59e-04 1.63e-02 0.11300  
## 1045 -13.894 0.588000 7.46e-01 1.12e-05 0.96600  
## 1046 -6.372 0.858000 7.57e-04 6.04e-03 0.70400  
## 1047 -17.779 0.178000 7.95e-01 8.74e-01 0.20000  
## 1048 -6.647 0.786000 1.05e-02 0.00e+00 0.41200  
## 1049 -10.188 0.448000 6.50e-02 8.11e-01 0.75600  
## 1050 -4.398 0.445000 8.14e-01 0.00e+00 0.39600  
## 1051 -5.189 0.922000 1.29e-02 2.39e-06 0.53200  
## 1052 -4.107 0.819000 3.61e-05 7.85e-02 0.44400  
## 1053 -10.636 0.898000 1.27e-02 8.28e-02 0.53900  
## 1054 -12.761 0.502000 3.00e-01 0.00e+00 0.96600  
## 1055 -6.819 0.887000 2.23e-02 0.00e+00 0.13100  
## 1056 -8.441 0.861000 2.43e-01 0.00e+00 0.93500  
## 1057 -11.941 0.458000 9.61e-01 4.42e-06 0.45300  
## 1058 -17.716 0.102000 9.74e-01 1.27e-02 0.20000  
## 1059 -9.312 0.346000 6.12e-01 1.76e-03 0.50600  
## 1060 -11.697 0.503000 7.53e-01 2.97e-06 0.44600  
## 1061 -5.565 0.702000 4.66e-02 3.20e-06 0.29900  
## 1062 -9.947 0.209000 7.78e-01 6.03e-06 0.17200  
## 1063 -8.440 0.418000 4.34e-01 4.75e-03 0.19800  
## 1064 -11.290 0.843000 4.31e-06 2.87e-04 0.75000  
## 1065 -11.414 0.831000 3.05e-03 9.53e-01 0.14400  
## 1066 -10.294 0.421000 1.71e-01 5.86e-02 0.59400  
## 1067 -10.623 0.310000 9.59e-01 2.29e-01 0.15100  
## 1068 -10.889 0.506000 3.81e-01 0.00e+00 0.41300  
## 1069 -0.983 0.984000 1.87e-01 5.27e-05 0.46600  
## 1070 -4.475 0.967000 1.51e-04 7.69e-01 0.84600  
## 1071 -7.861 0.623000 1.07e-01 3.93e-03 0.80100  
## 1072 -5.023 0.827000 9.22e-03 3.77e-04 0.47200  
## 1073 -6.131 0.669000 3.39e-01 0.00e+00 0.75200  
## 1074 -10.299 0.705000 1.06e-02 8.95e-01 0.82200  
## 1075 -9.360 0.612000 6.76e-01 1.28e-01 0.46700  
## 1076 -3.255 0.831000 7.35e-01 0.00e+00 0.71600  
## 1077 -7.319 0.864000 5.75e-06 7.50e-04 0.64500  
## 1078 -9.301 0.530000 2.33e-01 2.14e-05 0.71800  
## 1079 -12.410 0.491000 3.44e-01 2.47e-04 0.81100  
## 1080 -2.432 0.820000 3.43e-01 0.00e+00 0.74400  
## 1081 -7.604 0.954000 3.44e-01 0.00e+00 0.88300  
## 1082 -5.027 0.626000 2.86e-01 0.00e+00 0.20500  
## 1083 -7.110 0.473000 9.93e-01 3.21e-01 0.66600  
## 1084 -21.056 0.148000 7.13e-01 4.32e-01 0.05690  
## 1085 -6.796 0.983000 2.04e-03 1.04e-03 0.64000  
## 1086 -12.624 0.327000 4.92e-01 0.00e+00 0.96600  
## 1087 -10.604 0.150000 9.34e-01 0.00e+00 0.44400  
## 1088 -10.470 0.433000 8.97e-01 1.73e-01 0.49500  
## 1089 -14.878 0.184000 8.83e-01 8.52e-04 0.33600  
## 1090 -17.030 0.254000 9.94e-01 8.80e-01 0.03780  
## 1091 -7.345 0.680000 2.84e-01 1.05e-02 0.67900  
## 1092 -3.342 0.963000 7.22e-06 2.19e-06 0.34900  
## 1093 -4.573 0.948000 3.86e-04 2.46e-03 0.21700  
## 1094 -10.464 0.513000 1.44e-01 1.42e-02 0.89200  
## 1095 -7.746 0.378000 7.68e-01 0.00e+00 0.57400  
## 1096 -3.930 0.829000 1.07e-02 3.71e-02 0.23800  
## 1097 -7.908 0.397000 4.12e-01 0.00e+00 0.32400  
## 1098 -1.840 0.957000 1.49e-03 2.00e-04 0.37200  
## 1099 -14.083 0.137000 8.82e-01 0.00e+00 0.43700  
## 1100 -9.927 0.305000 8.67e-01 4.60e-01 0.80300  
## 1101 -9.445 0.674000 6.27e-01 8.16e-05 0.82900  
## 1102 -6.261 0.688000 3.64e-01 0.00e+00 0.77000  
## 1103 -3.830 0.992000 4.95e-06 2.02e-03 0.28100  
## 1104 -1.625 0.884000 1.55e-01 0.00e+00 0.59400  
## 1105 -9.349 0.879000 7.67e-02 5.25e-03 0.36900  
## 1106 -4.693 0.763000 8.35e-03 0.00e+00 0.19700  
## 1107 -6.910 0.831000 7.23e-01 6.30e-06 0.87300  
## 1108 -5.646 0.870000 3.82e-02 1.80e-01 0.91700  
## 1109 -2.847 0.952000 4.75e-01 0.00e+00 0.81400  
## 1110 -13.472 0.338000 6.74e-01 3.75e-04 0.46900  
## 1111 -5.467 0.707000 3.57e-02 0.00e+00 0.30400  
## 1112 -6.143 0.968000 2.57e-05 9.44e-01 0.20900  
## 1113 -4.673 0.966000 4.74e-01 1.60e-05 0.55000  
## 1114 -3.474 0.988000 2.02e-02 8.05e-01 0.82900  
## 1115 -5.036 0.905000 5.29e-02 5.21e-02 0.85700  
## 1116 -3.470 0.945000 2.94e-04 1.48e-06 0.48000  
## 1117 -12.917 0.244000 8.31e-01 8.65e-01 0.20300  
## 1118 -7.177 0.435000 7.60e-01 0.00e+00 0.14500  
## 1119 -8.725 0.737000 5.81e-01 1.58e-06 0.83100  
## 1120 -13.084 0.218000 8.74e-01 6.97e-04 0.65200  
## 1121 -5.296 0.726000 5.71e-02 4.11e-05 0.32800  
## 1122 -3.228 0.981000 2.58e-05 0.00e+00 0.20700  
## 1123 -7.227 0.616000 9.17e-02 1.06e-02 0.49200  
## 1124 -9.226 0.754000 2.84e-01 8.30e-01 0.21000  
## 1125 -5.108 0.827000 1.62e-03 9.02e-02 0.85100  
## 1126 -5.306 0.468000 2.95e-01 0.00e+00 0.18500  
## 1127 -11.413 0.431000 5.49e-01 2.28e-04 0.33600  
## 1128 -6.129 0.902000 4.77e-03 1.52e-05 0.63600  
## 1129 -6.035 0.687000 1.92e-01 0.00e+00 0.71900  
## 1130 -10.563 0.218000 9.41e-01 1.45e-06 0.22400  
## 1131 -4.835 0.637000 2.34e-01 5.72e-04 0.47100  
## 1132 -8.365 0.471000 5.87e-01 3.58e-06 0.53000  
## 1133 -10.351 0.955000 1.93e-05 1.41e-02 0.10200  
## 1134 -4.775 0.906000 1.75e-02 0.00e+00 0.37100  
## 1135 -9.401 0.386000 9.85e-01 2.99e-04 0.69400  
## 1136 -4.689 0.875000 4.92e-03 8.35e-06 0.90800  
## 1137 -11.062 0.743000 7.44e-02 7.10e-04 0.38800  
## 1138 -19.865 0.046600 9.84e-01 7.51e-01 0.26400  
## 1139 -8.476 0.331000 7.91e-01 5.16e-06 0.54600  
## 1140 -8.435 0.691000 2.18e-03 0.00e+00 0.75600  
## 1141 -20.493 0.113000 9.55e-01 9.80e-01 0.08760  
## 1142 -12.420 0.399000 7.50e-01 6.82e-05 0.54800  
## 1143 -14.509 0.307000 9.92e-01 1.74e-01 0.53600  
## 1144 -20.062 0.417000 7.22e-01 9.79e-01 0.03860  
## 1145 -5.076 0.813000 1.35e-01 0.00e+00 0.82600  
## 1146 -11.350 0.571000 1.16e-01 1.08e-03 0.94600  
## 1147 -4.878 0.919000 5.64e-03 3.42e-03 0.21000  
## 1148 -7.354 0.469000 3.74e-01 0.00e+00 0.29000  
## 1149 -11.945 0.477000 3.80e-01 4.93e-05 0.89700  
## 1150 -11.110 0.202000 8.21e-01 0.00e+00 0.37400  
## 1151 -7.516 0.916000 2.40e-02 3.81e-04 0.62200  
## 1152 -8.991 0.964000 4.23e-04 6.47e-01 0.06350  
## 1153 -9.606 0.369000 4.53e-01 5.01e-01 0.17000  
## 1154 -9.584 0.751000 2.00e-01 0.00e+00 0.78900  
## 1155 -5.258 0.892000 1.02e-02 8.50e-01 0.87600  
## 1156 -5.397 0.909000 2.02e-01 0.00e+00 0.82800  
## 1157 -10.210 0.295000 4.02e-01 8.87e-01 0.94900  
## 1158 -16.912 0.320000 1.43e-01 2.01e-01 0.09470  
## 1159 -7.074 0.593000 1.53e-01 1.35e-06 0.15800  
## 1160 -6.554 0.807000 3.62e-05 6.33e-01 0.25100  
## 1161 -2.689 0.820000 8.35e-01 0.00e+00 0.73700  
## 1162 -5.646 0.658000 4.73e-01 0.00e+00 0.62700  
## 1163 -25.888 0.023100 9.91e-01 7.38e-02 0.18700  
## 1164 -2.396 0.882000 1.34e-02 5.60e-05 0.64300  
## 1165 -3.213 0.977000 3.21e-03 1.25e-04 0.83400  
## 1166 -8.024 0.416000 1.00e-01 1.79e-01 0.19600  
## 1167 -5.568 0.812000 1.49e-03 0.00e+00 0.12400  
## 1168 -31.024 0.012600 9.66e-01 8.50e-01 0.06800  
## 1169 -15.266 0.244000 9.93e-01 1.48e-02 0.89000  
## 1170 -13.893 0.338000 7.13e-01 8.62e-01 0.58000  
## 1171 -9.932 0.676000 2.75e-05 7.85e-01 0.62700  
## 1172 -15.017 0.172000 7.25e-01 5.10e-01 0.39300  
## 1173 -30.699 0.056500 9.89e-01 5.92e-01 0.09500  
## 1174 -2.486 0.879000 4.33e-02 2.57e-01 0.46100  
## 1175 -3.357 0.960000 5.00e-05 0.00e+00 0.83500  
## 1176 -5.268 0.568000 4.08e-01 0.00e+00 0.31300  
## 1177 -4.157 0.935000 1.08e-03 0.00e+00 0.38600  
## 1178 -5.704 0.606000 7.43e-01 8.95e-02 0.34800  
## 1179 -3.522 0.693000 7.20e-01 0.00e+00 0.69000  
## 1180 -6.515 0.877000 1.20e-02 3.94e-05 0.49900  
## 1181 -12.908 0.202000 7.87e-01 5.75e-03 0.43500  
## 1182 -3.101 0.981000 1.52e-01 3.45e-04 0.90500  
## 1183 -6.695 0.587000 9.45e-02 7.10e-01 0.06780  
## 1184 -5.474 0.767000 2.88e-01 0.00e+00 0.48400  
## 1185 -7.326 0.595000 7.45e-01 4.84e-05 0.66700  
## 1186 -15.969 0.205000 8.73e-01 3.17e-06 0.64400  
## 1187 -6.813 0.594000 6.26e-02 5.14e-05 0.15800  
## 1188 -11.089 0.646000 7.30e-02 0.00e+00 0.95600  
## 1189 -9.792 0.885000 2.20e-03 0.00e+00 0.76400  
## 1190 -7.184 0.841000 6.54e-04 2.36e-05 0.32200  
## 1191 -14.674 0.415000 7.98e-01 4.71e-05 0.28800  
## 1192 -7.396 0.573000 2.14e-03 0.00e+00 0.12900  
## 1193 -8.232 0.374000 7.88e-01 0.00e+00 0.66900  
## 1194 -23.546 0.073600 8.86e-01 1.66e-02 0.24300  
## 1195 -4.971 0.658000 2.44e-02 1.46e-04 0.11300  
## 1196 -9.184 0.556000 6.29e-02 4.10e-02 0.58700  
## 1197 -9.072 0.809000 2.64e-04 1.09e-03 0.39000  
## 1198 -7.607 0.400000 4.52e-01 6.78e-06 0.26200  
## 1199 -8.458 0.719000 5.16e-03 1.03e-02 0.79200  
## 1200 -15.054 0.518000 2.86e-01 2.32e-04 0.72900  
## 1201 -9.079 0.688000 1.03e-01 7.30e-01 0.40000  
## 1202 -24.777 0.021300 9.88e-01 8.43e-01 0.19400  
## 1203 -19.804 0.083300 9.90e-01 8.90e-01 0.21700  
## 1204 -4.140 0.979000 1.25e-03 6.87e-01 0.67400  
## 1205 -4.780 0.790000 2.46e-01 7.33e-01 0.55600  
## 1206 -3.463 0.826000 4.52e-01 0.00e+00 0.86500  
## 1207 -7.937 0.741000 6.73e-06 1.15e-01 0.09940  
## 1208 -6.902 0.495000 8.03e-01 2.50e-05 0.42300  
## 1209 -12.039 0.387000 7.55e-02 8.61e-01 0.13300  
## 1210 -22.430 0.195000 9.94e-01 9.16e-01 0.49600  
## 1211 -10.958 0.670000 5.82e-01 0.00e+00 0.57200  
## 1212 -21.032 0.279000 2.41e-02 8.97e-01 0.29300  
## 1213 -5.894 0.999000 2.17e-03 1.05e-01 0.15600  
## 1214 -15.955 0.204000 8.34e-01 1.02e-01 0.38000  
## 1215 -9.782 0.480000 4.87e-02 3.84e-05 0.13700  
## 1216 -8.582 0.463000 8.42e-01 1.89e-04 0.64100  
## 1217 -28.114 0.167000 3.69e-01 4.81e-01 0.00000  
## 1218 -10.817 0.726000 6.15e-01 1.20e-06 0.75400  
## 1219 -13.186 0.363000 9.57e-01 8.30e-04 0.12100  
## 1220 -6.010 0.866000 2.79e-06 9.66e-02 0.41300  
## 1221 -3.241 0.939000 1.85e-03 0.00e+00 0.87300  
## 1222 -4.852 0.796000 1.47e-01 0.00e+00 0.40500  
## 1223 -24.634 0.044100 9.96e-01 9.56e-01 0.54100  
## 1224 -3.591 0.863000 2.02e-05 6.76e-01 0.12300  
## 1225 -7.077 0.718000 2.87e-01 4.90e-06 0.73600  
## 1226 -3.766 0.670000 4.58e-01 0.00e+00 0.65100  
## 1227 -9.995 0.671000 5.52e-01 3.23e-05 0.92100  
## 1228 -15.873 0.683000 1.18e-05 8.97e-01 0.19200  
## 1229 -7.656 0.865000 2.35e-04 7.26e-02 0.62900  
## 1230 -14.419 0.492000 7.76e-01 9.60e-01 0.24600  
## 1231 -10.432 0.338000 5.02e-01 8.57e-01 0.18300  
## 1232 -7.481 0.531000 3.30e-03 1.51e-06 0.67100  
## 1233 -3.825 0.929000 3.53e-03 2.89e-04 0.77100  
## 1234 -20.854 0.101000 7.62e-01 8.88e-01 0.03850  
## 1235 -12.857 0.664000 1.33e-01 9.25e-01 0.05550  
## 1236 -12.474 0.486000 8.39e-01 1.88e-02 0.13200  
## 1237 -2.917 0.849000 9.53e-02 1.16e-05 0.92600  
## 1238 -11.136 0.275000 6.01e-01 0.00e+00 0.51700  
## 1239 -5.817 0.809000 4.55e-03 7.23e-02 0.52500  
## 1240 -9.134 0.590000 4.51e-01 1.66e-01 0.14200  
## 1241 -8.979 0.782000 3.30e-01 1.27e-06 0.60100  
## 1242 -5.699 0.816000 2.10e-01 4.72e-02 0.77800  
## 1243 -7.469 0.833000 1.22e-01 1.15e-04 0.54900  
## 1244 -5.721 0.761000 2.42e-01 0.00e+00 0.48400  
## 1245 -1.927 0.791000 3.45e-03 0.00e+00 0.48000  
## 1246 -3.485 0.962000 1.80e-02 0.00e+00 0.70300  
## 1247 -5.570 0.477000 6.56e-01 0.00e+00 0.29600  
## 1248 -9.144 0.391000 4.69e-01 4.13e-06 0.43700  
## 1249 -15.580 0.117000 8.78e-01 7.15e-05 0.19600  
## 1250 -4.010 0.925000 8.04e-03 7.67e-01 0.44200  
## 1251 -12.446 0.400000 9.79e-01 2.65e-03 0.92200  
## 1252 -7.565 0.681000 5.03e-01 8.20e-06 0.67700  
## 1253 -9.116 0.885000 1.42e-01 9.18e-01 0.06800  
## 1254 -7.409 0.688000 9.05e-01 1.93e-03 0.97000  
## 1255 -12.521 0.401000 9.42e-01 1.38e-06 0.80000  
## 1256 -6.643 0.614000 7.04e-01 0.00e+00 0.57100  
## 1257 -6.086 0.869000 3.52e-04 5.65e-05 0.46800  
## 1258 -6.981 0.489000 5.00e-01 9.39e-01 0.47000  
## 1259 -8.958 0.609000 1.10e-01 6.72e-01 0.38700  
## 1260 -5.082 0.935000 2.71e-03 6.80e-01 0.04330  
## 1261 -8.510 0.668000 1.77e-01 1.79e-05 0.45400  
## 1262 -7.965 0.363000 6.92e-01 0.00e+00 0.17200  
## 1263 -6.555 0.730000 1.61e-02 2.80e-03 0.12800  
## 1264 -9.753 0.377000 7.49e-01 0.00e+00 0.35300  
## 1265 -11.533 0.876000 1.49e-01 8.20e-01 0.34600  
## 1266 -4.927 0.756000 4.44e-01 0.00e+00 0.52100  
## 1267 -6.302 0.463000 8.80e-01 0.00e+00 0.76100  
## 1268 -9.666 0.758000 3.28e-01 4.89e-06 0.61200  
## 1269 -18.923 0.068300 9.94e-01 9.01e-01 0.31900  
## 1270 -8.615 0.362000 7.94e-01 1.03e-05 0.23300  
## 1271 -8.702 0.523000 1.22e-01 1.89e-02 0.30100  
## 1272 -5.178 0.524000 4.95e-02 8.18e-06 0.47500  
## 1273 -9.695 0.249000 9.04e-01 0.00e+00 0.29300  
## 1274 -5.054 0.951000 3.69e-01 8.95e-01 0.47200  
## 1275 -3.985 0.992000 2.14e-05 0.00e+00 0.60200  
## 1276 -16.785 0.197000 9.30e-01 9.71e-01 0.03950  
## 1277 -7.055 0.636000 2.08e-01 0.00e+00 0.65400  
## 1278 -5.358 0.870000 2.26e-04 2.32e-04 0.40000  
## 1279 -12.183 0.524000 6.22e-02 8.45e-01 0.66100  
## 1280 -8.384 0.313000 7.56e-01 2.83e-04 0.23300  
## 1281 -5.385 0.848000 3.58e-02 0.00e+00 0.92800  
## 1282 -3.859 0.844000 3.61e-01 6.44e-05 0.13100  
## 1283 -4.802 0.580000 4.61e-01 0.00e+00 0.22000  
## 1284 -5.224 0.521000 4.68e-03 1.77e-03 0.49000  
## 1285 -16.737 0.629000 8.10e-01 9.93e-01 0.00001  
## 1286 -19.751 0.386000 1.25e-01 2.13e-01 0.89100  
## 1287 -8.987 0.331000 8.09e-01 0.00e+00 0.08770  
## 1288 -5.984 0.623000 4.47e-01 7.21e-04 0.13900  
## 1289 -7.821 0.700000 2.26e-01 6.98e-04 0.33100  
## 1290 -7.972 0.561000 3.48e-01 1.06e-02 0.66700  
## 1291 -5.368 0.986000 1.39e-05 5.87e-03 0.74200  
## 1292 -2.387 0.888000 2.71e-01 0.00e+00 0.61800  
## 1293 -9.422 0.574000 4.09e-02 1.35e-05 0.77000  
## 1294 -6.398 0.510000 7.82e-01 0.00e+00 0.58600  
## 1295 -7.740 0.457000 6.16e-01 2.80e-05 0.92600  
## 1296 -4.215 0.842000 8.32e-04 8.98e-01 0.30900  
## 1297 -3.087 0.870000 5.22e-03 1.12e-06 0.79000  
## 1298 -4.593 0.970000 1.55e-05 4.43e-03 0.31000  
## 1299 -3.884 0.959000 8.20e-03 7.10e-01 0.89500  
## 1300 -4.263 0.954000 7.00e-04 8.39e-01 0.68900  
## 1301 -12.857 0.393000 1.58e-02 1.89e-04 0.68700  
## 1302 -11.995 0.427000 8.16e-01 1.53e-02 0.83900  
## 1303 -24.421 0.054500 9.67e-01 8.49e-01 0.04280  
## 1304 -12.824 0.232000 8.41e-01 6.14e-05 0.15500  
## 1305 -14.331 0.207000 8.19e-01 3.63e-03 0.05480  
## 1306 -10.215 0.374000 7.95e-01 0.00e+00 0.77900  
## 1307 -10.658 0.652000 8.12e-01 1.43e-02 0.75400  
## 1308 -7.699 0.810000 1.46e-03 5.89e-02 0.28900  
## 1309 -4.445 0.882000 1.92e-02 0.00e+00 0.65500  
## 1310 -4.908 0.935000 8.01e-01 0.00e+00 0.47100  
## 1311 -15.398 0.395000 1.51e-01 8.35e-01 0.02880  
## 1312 -3.902 0.939000 3.32e-05 8.60e-01 0.54900  
## 1313 -4.549 0.982000 7.81e-02 1.55e-05 0.40700  
## 1314 -6.407 0.595000 8.48e-02 1.65e-04 0.26000  
## 1315 -7.602 0.451000 2.53e-01 8.04e-01 0.56400  
## 1316 -10.647 0.351000 5.15e-01 9.25e-01 0.09350  
## 1317 -5.759 0.890000 8.21e-04 0.00e+00 0.52500  
## 1318 -4.351 0.910000 1.69e-02 7.10e-06 0.79400  
## 1319 -4.094 0.833000 1.21e-02 0.00e+00 0.80800  
## 1320 -3.032 0.871000 3.56e-02 0.00e+00 0.63600  
## 1321 -24.309 0.040900 9.91e-01 9.19e-01 0.17500  
## 1322 -6.786 0.757000 1.27e-01 8.92e-01 0.91200  
## 1323 -10.463 0.472000 9.18e-01 8.73e-04 0.67000  
## 1324 -6.158 0.867000 4.15e-01 1.19e-05 0.97500  
## 1325 -7.635 0.549000 4.96e-03 7.93e-02 0.85600  
## 1326 -11.011 0.339000 8.40e-01 1.23e-04 0.46900  
## 1327 -3.662 0.983000 1.23e-04 2.46e-04 0.03780  
## 1328 -10.299 0.424000 1.46e-01 2.09e-03 0.65200  
## 1329 -24.459 0.895000 1.72e-01 9.19e-01 0.00001  
## 1330 -4.495 0.646000 9.77e-02 1.79e-01 0.82400  
## 1331 -30.232 0.012500 9.74e-01 1.85e-02 0.14800  
## 1332 -17.900 0.390000 1.06e-01 8.89e-01 0.12000  
## 1333 -5.162 0.791000 3.43e-02 0.00e+00 0.88100  
## 1334 -12.007 0.407000 7.27e-01 1.26e-06 0.13700  
## 1335 -5.384 0.639000 4.13e-01 0.00e+00 0.29200  
## 1336 -9.334 0.715000 9.22e-01 0.00e+00 0.46600  
## 1337 -8.984 0.807000 5.15e-03 8.63e-01 0.17100  
## 1338 -12.526 0.217000 9.83e-01 1.94e-02 0.19200  
## 1339 -12.165 0.296000 6.17e-01 0.00e+00 0.29900  
## 1340 -8.516 0.753000 1.98e-02 1.28e-03 0.77700  
## 1341 -7.034 0.913000 2.12e-04 4.46e-06 0.38800  
## 1342 -3.905 0.934000 6.69e-02 0.00e+00 0.96200  
## 1343 -7.589 0.842000 1.81e-01 1.85e-04 0.76100  
## 1344 -7.822 0.574000 1.92e-03 7.00e-01 0.45000  
## 1345 -7.401 0.763000 3.40e-05 9.00e-01 0.05420  
## 1346 -3.219 0.667000 6.16e-01 0.00e+00 0.69500  
## 1347 -6.296 0.749000 7.06e-02 9.28e-06 0.20200  
## 1348 -6.486 0.811000 1.16e-02 6.73e-01 0.94400  
## 1349 -4.507 0.766000 1.17e-01 0.00e+00 0.44800  
## 1350 -5.435 0.789000 4.88e-04 9.65e-03 0.33200  
## 1351 -4.858 0.607000 4.99e-01 0.00e+00 0.29400  
## 1352 -13.396 0.351000 9.62e-02 0.00e+00 0.68200  
## 1353 -4.528 0.947000 7.38e-02 5.51e-05 0.42800  
## 1354 -1.620 0.950000 6.10e-01 1.37e-05 0.57600  
## 1355 -19.093 0.998000 4.05e-01 9.91e-01 0.00001  
## 1356 -7.223 0.622000 6.58e-01 0.00e+00 0.74200  
## 1357 -16.110 0.524000 8.79e-04 2.52e-01 0.67200  
## 1358 -6.393 0.620000 6.29e-01 0.00e+00 0.26700  
## 1359 -17.479 0.514000 1.10e-01 4.81e-06 0.60400  
## 1360 -8.567 0.699000 7.50e-03 8.69e-01 0.21900  
## 1361 -11.889 0.396000 8.42e-01 7.80e-04 0.42300  
## 1362 -7.755 0.989000 1.80e-03 0.00e+00 0.07580  
## 1363 -21.658 0.047200 9.93e-01 8.86e-01 0.15300  
## 1364 -11.045 0.426000 6.29e-01 1.19e-04 0.72600  
## 1365 -4.638 0.922000 5.50e-03 3.69e-06 0.53200  
## 1366 -8.908 0.572000 7.51e-04 9.30e-01 0.48500  
## 1367 -13.877 0.455000 2.58e-01 3.17e-05 0.43000  
## 1368 -5.436 0.851000 1.53e-01 3.49e-06 0.12600  
## 1369 -23.472 0.117000 7.04e-01 8.35e-01 0.23200  
## 1370 -3.209 0.977000 1.11e-04 0.00e+00 0.48700  
## 1371 -9.668 0.263000 5.99e-01 2.30e-06 0.22900  
## 1372 -7.789 0.637000 6.08e-01 0.00e+00 0.85400  
## 1373 -6.644 0.624000 2.01e-01 2.57e-05 0.89900  
## 1374 -6.084 0.649000 1.14e-01 0.00e+00 0.95800  
## 1375 -24.271 0.836000 9.96e-01 9.97e-01 0.00000  
## 1376 -5.971 0.628000 3.56e-01 9.77e-05 0.38500  
## 1377 -7.626 0.524000 6.93e-01 2.63e-03 0.73300  
## 1378 -9.633 0.210000 9.11e-01 2.22e-06 0.16300  
## 1379 -5.830 0.603000 3.06e-01 0.00e+00 0.51600  
## 1380 -2.847 0.800000 8.22e-01 0.00e+00 0.65300  
## 1381 -16.308 0.463000 1.03e-03 9.52e-01 0.21900  
## 1382 -2.842 0.895000 7.93e-03 2.04e-04 0.92700  
## 1383 -8.650 0.578000 1.97e-01 3.34e-05 0.40500  
## 1384 -7.804 0.850000 4.94e-03 1.46e-01 0.68600  
## 1385 -5.456 0.851000 6.83e-02 0.00e+00 0.34400  
## 1386 -10.587 0.328000 7.84e-01 2.83e-05 0.16600  
## 1387 -13.493 0.090900 9.74e-01 3.90e-06 0.25700  
## 1388 -16.163 0.219000 2.33e-01 4.64e-02 0.17000  
## 1389 -6.650 0.678000 1.54e-01 2.29e-04 0.66400  
## 1390 -6.262 0.917000 2.19e-04 1.20e-03 0.31200  
## 1391 -14.182 0.184000 6.71e-01 0.00e+00 0.49700  
## 1392 -5.033 0.647000 3.16e-01 0.00e+00 0.58300  
## 1393 -5.319 0.815000 3.65e-01 0.00e+00 0.70200  
## 1394 -3.903 0.971000 2.26e-04 4.37e-01 0.26500  
## 1395 -5.863 0.679000 1.00e-02 0.00e+00 0.14900  
## 1396 -4.003 0.998000 1.89e-04 2.07e-01 0.59800  
## 1397 -16.777 0.056200 9.67e-01 9.34e-01 0.44500  
## 1398 -11.673 0.236000 9.12e-01 2.78e-05 0.30600  
## 1399 -4.635 0.985000 1.35e-04 0.00e+00 0.17100  
## 1400 -15.967 0.265000 9.68e-01 0.00e+00 0.46000  
## 1401 -4.106 0.947000 1.84e-04 1.12e-04 0.62500  
## 1402 -13.782 0.257000 7.86e-01 7.13e-01 0.06300  
## 1403 -5.275 0.501000 5.79e-01 3.80e-06 0.12100  
## 1404 -5.176 0.882000 1.47e-03 0.00e+00 0.65600  
## 1405 -3.913 0.956000 8.56e-02 6.42e-04 0.37000  
## 1406 -11.657 0.414000 6.05e-01 0.00e+00 0.54600  
## 1407 -8.536 0.436000 5.80e-01 2.63e-05 0.48300  
## 1408 -12.140 0.500000 5.97e-01 0.00e+00 0.88900  
## 1409 -8.873 0.484000 2.93e-02 0.00e+00 0.41100  
## 1410 -3.468 0.967000 8.28e-06 1.82e-01 0.26500  
## 1411 -9.356 0.378000 4.82e-01 0.00e+00 0.66900  
## 1412 -3.892 0.948000 1.04e-02 0.00e+00 0.31600  
## 1413 -9.835 0.801000 2.70e-01 0.00e+00 0.97100  
## 1414 -3.347 0.728000 3.56e-01 0.00e+00 0.88500  
## 1415 -2.775 0.977000 9.43e-02 1.62e-05 0.86300  
## 1416 -7.761 0.638000 2.17e-01 1.50e-02 0.52000  
## 1417 -4.687 0.906000 5.48e-06 1.66e-01 0.43300  
## 1418 -6.313 0.913000 3.04e-05 2.36e-04 0.93200  
## 1419 -2.391 0.918000 6.21e-02 0.00e+00 0.88100  
## 1420 -7.186 0.872000 4.34e-03 3.06e-05 0.69900  
## 1421 -7.653 0.706000 7.11e-04 0.00e+00 0.29200  
## 1422 -11.378 0.413000 4.12e-02 3.81e-01 0.34900  
## 1423 -6.861 0.669000 4.25e-02 0.00e+00 0.55900  
## 1424 -8.731 0.904000 6.22e-02 0.00e+00 0.76700  
## 1425 -8.412 0.844000 3.95e-01 9.33e-01 0.36400  
## 1426 -14.319 0.251000 6.63e-01 8.76e-01 0.03690  
## 1427 -6.084 0.869000 9.16e-04 3.46e-03 0.64700  
## 1428 -4.998 0.723000 1.87e-01 6.64e-06 0.96200  
## 1429 -10.527 0.529000 2.90e-01 0.00e+00 0.35200  
## 1430 -8.519 0.782000 2.29e-02 1.61e-03 0.63900  
## 1431 -5.596 0.565000 6.97e-01 0.00e+00 0.30600  
## 1432 -5.490 0.569000 1.23e-01 0.00e+00 0.65300  
## 1433 -2.872 0.989000 3.39e-06 1.52e-01 0.48300  
## 1434 -5.842 0.922000 2.31e-03 1.38e-01 0.71100  
## 1435 -5.576 0.601000 7.96e-01 5.11e-04 0.45300  
## 1436 -5.444 0.954000 4.08e-04 1.94e-02 0.33500  
## 1437 -6.565 0.723000 5.41e-01 1.12e-06 0.54100  
## 1438 -4.822 0.983000 4.32e-02 2.13e-03 0.45600  
## 1439 -7.472 0.797000 4.66e-02 0.00e+00 0.94900  
## 1440 -3.561 0.944000 6.72e-03 1.08e-04 0.47400  
## 1441 -4.387 0.821000 5.07e-01 0.00e+00 0.96800  
## 1442 -8.769 0.872000 1.05e-05 8.93e-01 0.18100  
## 1443 -6.632 0.576000 7.35e-02 8.48e-01 0.39300  
## 1444 -13.118 0.333000 6.89e-01 0.00e+00 0.23900  
## 1445 -5.713 0.400000 2.14e-01 0.00e+00 0.22700  
## 1446 -4.301 0.906000 3.70e-02 3.64e-05 0.60500  
## 1447 -4.619 0.911000 2.33e-05 2.64e-03 0.47100  
## 1448 -14.635 0.458000 1.12e-01 2.77e-02 0.64100  
## 1449 -5.769 0.615000 7.23e-01 8.94e-04 0.81500  
## 1450 -17.782 0.076000 9.38e-01 6.80e-06 0.12200  
## 1451 -7.673 0.695000 4.20e-01 3.11e-03 0.85900  
## 1452 -23.607 0.112000 7.90e-01 8.55e-01 0.14500  
## 1453 -11.700 0.299000 7.94e-01 0.00e+00 0.23300  
## 1454 -11.897 0.959000 4.29e-06 5.10e-01 0.09530  
## 1455 -7.501 0.969000 1.59e-05 8.63e-01 0.37600  
## 1456 -7.185 0.576000 4.34e-01 3.44e-02 0.90700  
## 1457 -20.509 0.160000 6.28e-01 4.91e-06 0.26700  
## 1458 -5.883 0.623000 6.49e-01 0.00e+00 0.94700  
## 1459 -5.888 0.635000 7.66e-01 0.00e+00 0.32100  
## 1460 -7.573 0.713000 7.17e-03 9.05e-01 0.66700  
## 1461 -12.029 0.862000 1.92e-05 9.01e-01 0.35500  
## 1462 -16.241 0.132000 9.66e-01 0.00e+00 0.22700  
## 1463 -7.063 0.782000 1.58e-03 3.18e-04 0.55300  
## 1464 -3.799 0.965000 2.81e-03 0.00e+00 0.50000  
## 1465 -10.047 0.704000 6.66e-05 8.98e-01 0.26900  
## 1466 -9.841 0.925000 1.48e-02 8.15e-01 0.66900  
## 1467 -9.022 0.387000 5.32e-01 5.48e-03 0.03950  
## 1468 -6.686 0.607000 3.97e-01 0.00e+00 0.25500  
## 1469 -7.483 0.523000 8.63e-01 2.29e-05 0.68600  
## 1470 -7.336 0.715000 1.21e-02 1.57e-05 0.63800  
## 1471 -10.269 0.435000 9.88e-03 8.95e-01 0.80200  
## 1472 -3.855 0.980000 4.00e-06 1.69e-01 0.13000  
## 1473 -6.165 0.660000 1.71e-02 0.00e+00 0.29000  
## 1474 -6.772 0.705000 1.89e-04 4.50e-02 0.78700  
## 1475 -10.697 0.768000 7.06e-02 1.15e-03 0.83800  
## 1476 -8.883 0.579000 2.43e-01 0.00e+00 0.63200  
## 1477 -14.150 0.376000 5.96e-01 5.75e-05 0.96500  
## 1478 -2.819 0.977000 8.34e-04 3.98e-06 0.38600  
## 1479 -5.466 0.908000 5.45e-06 8.56e-01 0.31300  
## 1480 -5.278 0.602000 3.27e-01 9.45e-03 0.69800  
## 1481 -7.128 0.416000 5.77e-01 0.00e+00 0.52500  
## 1482 -6.861 0.793000 6.41e-04 2.93e-05 0.45700  
## 1483 -5.098 0.589000 2.93e-02 0.00e+00 0.27000  
## 1484 -7.700 0.936000 1.61e-01 0.00e+00 0.83600  
## 1485 -7.188 0.476000 5.68e-01 2.08e-01 0.55900  
## 1486 -19.179 0.443000 2.84e-02 2.88e-02 0.12900  
## 1487 -5.273 0.813000 1.35e-03 0.00e+00 0.71300  
## 1488 -9.711 0.429000 4.46e-01 0.00e+00 0.55800  
## 1489 -14.555 0.269000 6.88e-01 3.59e-03 0.25500  
## 1490 -3.734 0.930000 1.94e-02 8.44e-04 0.36100  
## 1491 -4.405 0.946000 1.12e-04 1.64e-04 0.20100  
## 1492 -22.399 0.082400 9.80e-01 9.03e-01 0.03890  
## 1493 -6.456 0.408000 6.68e-01 0.00e+00 0.79900  
## 1494 -10.177 0.942000 3.01e-02 8.51e-01 0.28500  
## 1495 -5.441 0.977000 2.56e-04 3.50e-06 0.62300  
## 1496 -7.273 0.970000 1.64e-06 5.33e-02 0.06640  
## 1497 -10.671 0.590000 2.70e-02 2.69e-05 0.41800  
## 1498 -5.119 0.914000 1.45e-02 3.01e-05 0.32200  
## 1499 -5.151 0.985000 6.32e-04 9.55e-01 0.20100  
## 1500 -3.256 0.934000 1.13e-01 6.06e-05 0.84900  
## 1501 -37.822 0.368000 8.99e-01 7.49e-01 0.03160  
## 1502 -3.792 0.953000 2.28e-01 0.00e+00 0.68900  
## 1503 -15.692 0.531000 3.38e-01 8.52e-01 0.10300  
## 1504 -14.551 0.245000 9.45e-01 5.83e-01 0.17800  
## 1505 -11.389 0.495000 7.04e-01 8.70e-01 0.67800  
## 1506 -9.273 0.416000 1.37e-02 4.79e-01 0.35100  
## 1507 -4.877 0.892000 2.56e-04 1.37e-02 0.28000  
## 1508 -5.237 0.558000 6.64e-01 0.00e+00 0.70600  
## 1509 -7.411 0.498000 7.98e-02 5.61e-06 0.21400  
## 1510 -3.935 0.600000 6.92e-02 0.00e+00 0.27000  
## 1511 -3.862 0.931000 1.80e-01 1.33e-02 0.48400  
## 1512 -4.179 0.909000 4.81e-01 9.47e-05 0.83700  
## 1513 -11.129 0.189000 9.05e-01 0.00e+00 0.29200  
## 1514 -4.096 0.997000 4.81e-06 9.40e-01 0.12100  
## 1515 -14.355 0.183000 9.07e-01 0.00e+00 0.30800  
## 1516 -13.301 0.244000 9.06e-01 0.00e+00 0.57800  
## 1517 -4.935 0.662000 2.19e-01 7.63e-04 0.56900  
## 1518 -9.441 0.496000 8.39e-02 0.00e+00 0.31900  
## 1519 -4.626 0.990000 5.31e-05 4.57e-04 0.29800  
## 1520 -2.339 0.834000 2.53e-01 2.89e-02 0.73900  
## 1521 -8.009 0.595000 3.97e-01 0.00e+00 0.84000  
## 1522 -6.250 0.788000 2.63e-01 5.25e-03 0.58100  
## 1523 -3.835 0.846000 1.88e-01 1.77e-06 0.68400  
## 1524 -3.835 0.413000 1.18e-06 9.04e-01 0.07770  
## 1525 -17.152 0.256000 8.97e-01 4.59e-02 0.30300  
## 1526 -7.016 0.953000 1.93e-03 7.98e-01 0.51000  
## 1527 -22.698 0.152000 9.65e-01 9.19e-01 0.07040  
## 1528 -11.990 0.465000 6.43e-01 5.50e-06 0.30500  
## 1529 -11.866 0.663000 7.45e-01 1.73e-04 0.76100  
## 1530 -4.097 0.832000 8.10e-03 0.00e+00 0.32400  
## 1531 -7.259 0.633000 7.95e-02 3.18e-04 0.78200  
## 1532 -11.020 0.351000 9.89e-01 4.85e-04 0.11600  
## 1533 -10.868 0.917000 1.50e-04 9.14e-01 0.53000  
## 1534 -8.102 0.714000 7.52e-01 0.00e+00 0.65200  
## 1535 -6.734 0.596000 8.14e-01 0.00e+00 0.71100  
## 1536 -9.985 0.686000 1.17e-02 6.07e-01 0.65300  
## 1537 -8.182 0.771000 3.26e-01 3.67e-03 0.86800  
## 1538 -3.756 0.876000 9.32e-04 1.66e-04 0.38500  
## 1539 -7.043 0.664000 4.48e-01 0.00e+00 0.78500  
## 1540 -10.054 0.219000 3.87e-01 0.00e+00 0.36600  
## 1541 -3.234 0.903000 3.31e-04 7.19e-05 0.59000  
## 1542 -8.694 0.342000 1.34e-02 4.12e-03 0.10100  
## 1543 -8.776 0.618000 3.92e-01 2.92e-06 0.95300  
## 1544 -2.515 0.718000 5.05e-01 0.00e+00 0.76600  
## 1545 -6.940 0.601000 1.08e-02 0.00e+00 0.67800  
## 1546 -5.451 0.944000 1.33e-02 0.00e+00 0.39600  
## 1547 -6.310 0.727000 4.58e-01 0.00e+00 0.50200  
## 1548 -17.424 0.160000 8.23e-01 6.73e-03 0.10100  
## 1549 -11.861 0.375000 7.66e-01 2.41e-05 0.46400  
## 1550 -4.489 0.946000 4.55e-02 0.00e+00 0.70100  
## 1551 -12.372 0.513000 7.58e-01 8.64e-06 0.95500  
## 1552 -13.442 0.207000 9.35e-01 9.63e-06 0.15800  
## 1553 -4.093 0.648000 4.70e-01 0.00e+00 0.76800  
## 1554 -9.811 0.487000 8.49e-01 0.00e+00 0.69100  
## 1555 -5.607 0.571000 3.06e-02 0.00e+00 0.16300  
## 1556 -6.738 0.848000 6.16e-01 8.68e-06 0.78900  
## 1557 -5.302 0.785000 1.18e-01 0.00e+00 0.60900  
## 1558 -9.175 0.424000 8.23e-04 1.28e-01 0.58100  
## 1559 -2.363 0.948000 4.78e-01 0.00e+00 0.43100  
## 1560 -9.046 0.457000 5.98e-02 5.84e-01 0.67200  
## 1561 -5.864 0.935000 2.30e-04 2.10e-05 0.51200  
## 1562 -6.827 0.786000 5.27e-02 1.24e-06 0.44200  
## 1563 -4.424 0.955000 4.65e-05 1.39e-01 0.09160  
## 1564 -13.095 0.629000 4.09e-01 6.73e-01 0.16000  
## 1565 -7.395 0.971000 1.48e-06 7.60e-02 0.15300  
## 1566 -3.968 0.648000 6.30e-01 0.00e+00 0.23900  
## 1567 -3.720 0.778000 2.86e-01 0.00e+00 0.96900  
## 1568 -7.878 0.753000 2.53e-02 9.34e-01 0.49200  
## 1569 -8.224 0.841000 3.35e-06 8.98e-01 0.17900  
## 1570 -6.720 0.917000 1.15e-01 1.01e-02 0.81800  
## 1571 -7.101 0.585000 1.22e-03 8.53e-01 0.48700  
## 1572 -6.366 0.793000 3.13e-01 8.67e-01 0.71900  
## 1573 -12.787 0.369000 9.14e-01 8.31e-01 0.08100  
## 1574 -6.502 0.616000 5.75e-01 0.00e+00 0.97100  
## 1575 -6.173 0.870000 6.91e-01 9.63e-05 0.96000  
## 1576 -23.733 0.195000 8.57e-01 8.40e-01 0.10400  
## 1577 -5.024 0.785000 2.55e-03 0.00e+00 0.46200  
## 1578 -8.127 0.960000 2.37e-04 7.39e-03 0.09590  
## 1579 -4.979 0.539000 8.20e-02 7.01e-05 0.71100  
## 1580 -4.246 0.578000 9.82e-03 1.44e-05 0.15600  
## 1581 -6.363 0.575000 2.61e-03 6.82e-01 0.85500  
## 1582 -6.503 0.833000 1.42e-02 5.40e-06 0.53800  
## 1583 -5.681 0.477000 1.85e-01 1.87e-02 0.28000  
## 1584 -3.673 0.906000 4.22e-03 4.34e-03 0.52300  
## 1585 -11.223 0.757000 1.60e-03 7.58e-04 0.73900  
## 1586 -5.359 0.832000 1.49e-01 7.03e-01 0.21000  
## 1587 -3.712 0.972000 9.36e-02 6.29e-01 0.22600  
## 1588 -9.335 0.527000 2.40e-01 1.89e-06 0.67900  
## 1589 -6.673 0.768000 5.12e-01 0.00e+00 0.94800  
## 1590 -4.606 0.701000 7.09e-01 0.00e+00 0.57600  
## 1591 -4.240 0.960000 5.76e-02 2.54e-01 0.69900  
## 1592 -5.542 0.630000 2.72e-06 7.33e-01 0.30700  
## 1593 -4.929 0.997000 1.88e-06 5.37e-06 0.16000  
## 1594 -4.945 0.694000 4.36e-01 0.00e+00 0.53800  
## 1595 -13.173 0.311000 5.43e-01 3.02e-05 0.13600  
## 1596 -5.431 0.971000 1.32e-04 7.09e-02 0.58800  
## 1597 -21.031 0.824000 4.70e-06 9.75e-01 0.03160  
## 1598 -8.289 0.851000 6.50e-01 0.00e+00 0.83000  
## 1599 -3.551 0.936000 2.59e-01 1.53e-06 0.92400  
## 1600 -6.981 0.951000 2.67e-04 2.41e-01 0.33700  
## 1601 -4.169 0.898000 2.78e-02 9.40e-03 0.32400  
## 1602 -5.468 0.956000 1.23e-02 1.44e-04 0.58900  
## 1603 -7.142 0.870000 2.96e-03 0.00e+00 0.71400  
## 1604 -20.533 0.216000 9.86e-01 8.13e-01 0.84500  
## 1605 -3.164 0.836000 2.68e-03 0.00e+00 0.39600  
## 1606 -6.543 0.771000 5.56e-03 1.27e-01 0.54700  
## 1607 -14.520 0.318000 8.90e-01 4.74e-01 0.24100  
## 1608 -6.470 0.871000 1.69e-01 0.00e+00 0.93900  
## 1609 -7.644 0.918000 1.69e-01 1.09e-01 0.77500  
## 1610 -11.068 0.248000 8.40e-01 4.10e-03 0.36300  
## 1611 -4.113 0.942000 1.82e-04 4.64e-01 0.96400  
## 1612 -7.539 0.502000 6.99e-01 1.56e-04 0.67400  
## 1613 -5.791 0.968000 2.09e-04 5.25e-02 0.07620  
## 1614 -8.498 0.371000 9.23e-01 2.53e-02 0.18900  
## 1615 -8.404 0.836000 6.31e-02 7.72e-01 0.48800  
## 1616 -17.000 0.273000 8.58e-01 3.44e-01 0.31300  
## 1617 -12.922 0.512000 2.57e-01 8.78e-01 0.08240  
## 1618 -7.909 0.644000 7.01e-01 1.11e-06 0.90000  
## 1619 -2.703 0.838000 8.15e-04 0.00e+00 0.82000  
## 1620 -6.618 0.862000 5.86e-01 2.08e-04 0.96200  
## 1621 -5.515 0.752000 2.24e-02 0.00e+00 0.16500  
## 1622 -6.416 0.913000 2.45e-05 2.89e-01 0.33400  
## 1623 -8.439 0.474000 3.46e-01 1.16e-04 0.50800  
## 1624 -9.473 0.248000 8.67e-01 0.00e+00 0.41100  
## 1625 -7.661 0.419000 7.71e-01 0.00e+00 0.18600  
## 1626 -14.417 0.198000 9.91e-01 8.84e-01 0.09060  
## 1627 -13.970 0.178000 8.84e-01 0.00e+00 0.21400  
## 1628 -7.706 0.660000 6.54e-01 1.66e-06 0.96200  
## 1629 -10.147 0.675000 6.05e-01 0.00e+00 0.74400  
## 1630 -22.872 0.073300 9.92e-01 8.92e-01 0.67600  
## 1631 -6.696 0.631000 1.28e-01 8.84e-01 0.75000  
## 1632 -6.825 0.641000 5.72e-01 0.00e+00 0.91900  
## 1633 -6.847 0.639000 3.80e-01 1.81e-04 0.12000  
## 1634 -4.007 0.902000 2.25e-01 2.41e-06 0.66000  
## 1635 -7.698 0.553000 7.54e-03 1.00e-05 0.09080  
## 1636 -8.045 0.481000 5.98e-01 0.00e+00 0.91000  
## 1637 -7.785 0.675000 7.61e-03 2.12e-05 0.59400  
## 1638 -20.006 0.228000 9.18e-01 7.03e-01 0.69800  
## 1639 -3.846 0.878000 1.88e-03 4.53e-02 0.04680  
## 1640 -11.337 0.461000 9.78e-02 8.15e-01 0.11900  
## 1641 -8.136 0.727000 1.86e-03 8.00e-01 0.05540  
## 1642 -7.140 0.715000 2.30e-02 2.13e-03 0.22200  
## 1643 -15.566 0.179000 7.84e-01 0.00e+00 0.79500  
## 1644 -5.088 0.855000 2.30e-01 0.00e+00 0.75800  
## 1645 -4.803 0.717000 7.79e-02 2.74e-03 0.54700  
## 1646 -11.051 0.416000 3.45e-01 1.36e-01 0.22300  
## 1647 -6.784 0.429000 4.44e-02 0.00e+00 0.52000  
## 1648 -5.539 0.868000 2.87e-01 6.02e-05 0.63700  
## 1649 -8.117 0.860000 8.54e-04 2.88e-03 0.34300  
## 1650 -7.638 0.755000 4.44e-03 4.80e-06 0.72400  
## 1651 -10.197 0.338000 9.62e-01 1.19e-01 0.17800  
## 1652 -13.808 0.432000 4.06e-02 0.00e+00 0.30400  
## 1653 -7.303 0.380000 6.92e-01 0.00e+00 0.23300  
## 1654 -8.590 0.650000 2.06e-01 7.51e-01 0.63800  
## 1655 -5.411 0.868000 7.63e-03 6.38e-02 0.80200  
## 1656 -3.789 0.874000 1.32e-01 0.00e+00 0.39000  
## 1657 -10.768 0.356000 4.74e-01 0.00e+00 0.77200  
## 1658 -9.797 0.345000 6.48e-01 2.06e-02 0.19200  
## 1659 -7.069 0.290000 9.95e-01 1.63e-04 0.31200  
## 1660 -13.829 0.188000 8.89e-01 0.00e+00 0.44500  
## 1661 -6.094 0.875000 9.19e-02 4.22e-01 0.94200  
## 1662 -6.698 0.568000 4.77e-02 2.35e-05 0.12900  
## 1663 -2.920 0.876000 2.40e-02 0.00e+00 0.75700  
## 1664 -14.917 0.419000 4.58e-01 6.49e-01 0.03490  
## 1665 -6.567 0.565000 4.75e-02 3.64e-01 0.72900  
## 1666 -13.256 0.237000 9.51e-01 4.20e-03 0.44100  
## 1667 -5.067 0.729000 1.30e-01 0.00e+00 0.63700  
## 1668 -8.622 0.994000 1.39e-01 9.73e-01 0.01580  
## 1669 -3.427 0.978000 3.30e-04 1.43e-02 0.49300  
## 1670 -7.134 0.662000 9.17e-02 1.30e-03 0.32300  
## 1671 -12.786 0.404000 4.42e-01 0.00e+00 0.42400  
## 1672 -2.100 0.996000 5.63e-05 1.67e-04 0.06010  
## 1673 -3.724 0.943000 1.71e-01 6.59e-06 0.41100  
## 1674 -5.217 0.780000 2.43e-01 0.00e+00 0.60200  
## 1675 -12.867 0.450000 4.01e-04 8.14e-03 0.26300  
## 1676 -9.415 0.609000 5.16e-01 2.12e-03 0.65800  
## 1677 -4.024 0.971000 1.45e-02 2.51e-05 0.75600  
## 1678 -17.592 0.628000 1.25e-03 9.32e-01 0.31900  
## 1679 -3.706 0.871000 1.15e-03 0.00e+00 0.20100  
## 1680 -14.912 0.170000 9.88e-01 8.45e-01 0.38500  
## 1681 -6.534 0.774000 1.45e-03 0.00e+00 0.77300  
## 1682 -3.587 0.994000 3.65e-05 4.06e-01 0.12400  
## 1683 -25.398 0.058200 9.61e-01 8.90e-01 0.04540  
## 1684 -11.615 0.539000 2.22e-01 0.00e+00 0.92300  
## 1685 -6.917 0.797000 6.17e-01 0.00e+00 0.81600  
## 1686 -16.715 0.494000 3.38e-01 3.86e-01 0.73200  
## 1687 -18.939 0.111000 9.13e-01 4.24e-04 0.11900  
## 1688 -9.610 0.480000 3.34e-01 0.00e+00 0.70600  
## 1689 -4.395 0.832000 3.72e-04 0.00e+00 0.40400  
## 1690 -7.254 0.811000 3.92e-01 0.00e+00 0.85900  
## 1691 -12.745 0.497000 8.36e-01 3.84e-01 0.03530  
## 1692 -3.180 0.774000 2.22e-02 0.00e+00 0.16700  
## 1693 -10.090 0.649000 7.01e-01 1.33e-05 0.52000  
## 1694 -4.662 0.639000 3.57e-01 0.00e+00 0.21100  
## 1695 0.377 0.963000 1.07e-01 6.92e-01 0.03100  
## 1696 -6.392 0.901000 3.53e-05 8.81e-01 0.82100  
## 1697 -4.196 0.977000 4.98e-04 8.96e-01 0.29300  
## 1698 -9.526 0.553000 4.40e-02 9.60e-03 0.43300  
## 1699 -5.253 0.897000 6.35e-03 7.26e-06 0.64000  
## 1700 -6.296 0.566000 4.13e-02 2.21e-06 0.85700  
## 1701 -11.130 0.906000 5.90e-02 8.81e-01 0.06510  
## 1702 -6.101 0.612000 1.74e-01 2.05e-01 0.11600  
## 1703 -2.645 0.972000 2.53e-06 5.40e-01 0.54500  
## 1704 -8.229 0.760000 6.11e-01 0.00e+00 0.65200  
## 1705 -10.281 0.824000 7.98e-02 7.59e-01 0.02240  
## 1706 -4.326 0.835000 6.84e-02 0.00e+00 0.62500  
## 1707 -11.384 0.519000 4.40e-05 6.07e-02 0.27800  
## 1708 -4.584 0.961000 1.16e-03 1.47e-02 0.18900  
## 1709 -10.861 0.569000 5.21e-01 4.15e-04 0.66100  
## 1710 -5.626 0.664000 3.76e-02 0.00e+00 0.77200  
## 1711 -8.042 0.914000 5.54e-01 0.00e+00 0.06780  
## 1712 -8.618 0.484000 7.32e-01 0.00e+00 0.43200  
## 1713 -4.560 0.943000 1.47e-04 1.38e-01 0.54700  
## 1714 -7.594 0.296000 8.40e-01 0.00e+00 0.21200  
## 1715 -6.240 0.949000 1.62e-06 1.24e-02 0.24500  
## 1716 -10.419 0.708000 4.42e-01 0.00e+00 0.84600  
## 1717 -9.236 0.829000 5.12e-06 8.23e-03 0.45500  
## 1718 -7.700 0.607000 1.12e-02 1.38e-05 0.53200  
## 1719 -7.089 0.827000 9.04e-02 3.73e-06 0.91200  
## 1720 -22.161 0.059200 9.85e-01 9.78e-01 0.03680  
## 1721 -7.038 0.916000 6.80e-02 8.45e-01 0.54800  
## 1722 -5.884 0.772000 2.08e-02 1.09e-05 0.74000  
## 1723 -2.966 0.966000 3.49e-03 1.98e-04 0.53300  
## 1724 -3.952 0.913000 1.72e-01 1.10e-04 0.51200  
## 1725 -17.022 0.181000 8.70e-01 2.79e-04 0.14600  
## 1726 -18.962 0.048400 9.61e-01 8.99e-01 0.20200  
## 1727 -2.463 0.986000 8.62e-03 4.74e-02 0.66700  
## 1728 -9.359 0.700000 2.36e-02 5.90e-01 0.35700  
## 1729 -10.179 0.406000 6.06e-01 0.00e+00 0.58200  
## 1730 -37.417 0.281000 7.88e-01 9.73e-01 0.28400  
## 1731 -10.914 0.197000 9.34e-01 7.39e-01 0.07350  
## 1732 -18.906 0.017100 9.88e-01 9.23e-01 0.17600  
## 1733 -5.175 0.787000 5.17e-03 7.59e-05 0.50600  
## 1734 -20.513 0.261000 9.93e-01 8.21e-01 0.28300  
## 1735 -4.151 0.914000 2.23e-03 5.28e-01 0.73300  
## 1736 -5.994 0.801000 6.65e-01 2.51e-05 0.90500  
## 1737 -9.892 0.823000 4.26e-01 1.71e-06 0.85400  
## 1738 -5.904 0.998000 2.51e-04 5.66e-03 0.05650  
## 1739 -24.062 0.089700 9.90e-01 9.04e-01 0.44300  
## 1740 -4.243 0.952000 1.37e-05 2.01e-03 0.55700  
## 1741 -10.304 0.476000 6.64e-01 4.43e-05 0.79700  
## 1742 -6.700 0.785000 1.55e-01 0.00e+00 0.60800  
## 1743 -4.332 0.678000 2.03e-01 0.00e+00 0.37100  
## 1744 -6.934 0.618000 9.03e-02 0.00e+00 0.64900  
## 1745 -9.289 0.694000 9.77e-01 3.04e-03 0.81100  
## 1746 -14.436 0.457000 9.38e-01 6.46e-03 0.52700  
## 1747 -9.658 0.244000 8.47e-01 2.57e-06 0.39000  
## 1748 -6.114 0.762000 2.16e-03 0.00e+00 0.70800  
## 1749 -1.652 0.972000 1.41e-01 0.00e+00 0.88600  
## 1750 -2.684 0.848000 4.90e-02 0.00e+00 0.74900  
## 1751 -12.007 0.301000 9.12e-01 0.00e+00 0.33100  
## 1752 -12.279 0.484000 6.45e-01 0.00e+00 0.62500  
## 1753 -5.330 0.741000 5.44e-03 0.00e+00 0.64600  
## 1754 -11.025 0.570000 6.02e-01 0.00e+00 0.30500  
## 1755 -5.432 0.783000 6.34e-01 0.00e+00 0.56100  
## 1756 -2.976 0.936000 9.72e-06 7.59e-03 0.12500  
## 1757 -7.713 0.586000 1.26e-02 4.56e-06 0.79000  
## 1758 -12.451 0.120000 8.99e-01 2.28e-05 0.36900  
## 1759 -21.758 0.045100 8.10e-01 2.39e-02 0.21800  
## 1760 -6.692 0.900000 1.77e-04 8.79e-06 0.33900  
## 1761 -6.047 0.890000 1.16e-04 5.86e-06 0.18100  
## 1762 -6.267 0.777000 6.86e-01 0.00e+00 0.90300  
## 1763 -5.025 0.696000 3.12e-01 0.00e+00 0.28600  
## 1764 -4.411 0.810000 8.45e-01 0.00e+00 0.63300  
## 1765 -4.013 0.739000 1.39e-01 0.00e+00 0.31300  
## 1766 -3.407 0.906000 1.86e-04 8.21e-06 0.44900  
## 1767 -5.472 0.901000 3.43e-04 8.82e-02 0.31000  
## 1768 -7.700 0.849000 6.91e-04 3.40e-01 0.77000  
## 1769 -7.701 0.821000 7.03e-04 2.14e-02 0.96800  
## 1770 -14.210 0.565000 3.17e-02 8.64e-01 0.59800  
## 1771 -10.424 0.269000 7.04e-01 0.00e+00 0.54000  
## 1772 -4.773 0.914000 2.31e-03 0.00e+00 0.25300  
## 1773 -4.433 0.975000 7.65e-05 5.61e-01 0.30900  
## 1774 -4.718 0.953000 4.50e-04 0.00e+00 0.11500  
## 1775 -2.152 0.909000 3.93e-01 0.00e+00 0.82400  
## 1776 -8.333 0.749000 1.73e-01 9.42e-01 0.67400  
## 1777 -17.604 0.248000 8.64e-01 2.98e-01 0.23200  
## 1778 -3.143 0.882000 2.36e-01 0.00e+00 0.40000  
## 1779 -34.977 0.002290 9.92e-01 9.31e-01 0.28100  
## 1780 -7.557 0.735000 3.31e-01 2.03e-03 0.69000  
## 1781 -9.858 0.708000 4.21e-03 3.39e-02 0.07400  
## 1782 -6.193 0.803000 1.10e-01 0.00e+00 0.32500  
## 1783 -12.154 0.536000 2.46e-01 0.00e+00 0.92900  
## 1784 -5.371 0.916000 7.31e-02 0.00e+00 0.80500  
## 1785 -13.459 0.457000 3.83e-01 3.33e-03 0.67000  
## 1786 -11.719 0.361000 8.73e-01 0.00e+00 0.84100  
## 1787 -6.032 0.522000 2.19e-01 0.00e+00 0.46300  
## 1788 -6.200 0.945000 1.20e-02 6.07e-05 0.68700  
## 1789 -12.684 0.737000 4.21e-02 0.00e+00 0.76600  
## 1790 -11.641 0.292000 8.18e-01 9.42e-01 0.11000  
## 1791 -11.309 0.398000 8.93e-01 9.44e-01 0.05000  
## 1792 -4.251 0.980000 4.36e-03 7.35e-06 0.17300  
## 1793 -14.190 0.338000 5.72e-01 5.25e-05 0.40000  
## 1794 -15.152 0.259000 7.80e-01 6.53e-01 0.03830  
## 1795 -3.818 0.697000 7.42e-01 0.00e+00 0.92600  
## 1796 -9.528 0.546000 2.97e-01 0.00e+00 0.23400  
## 1797 -10.519 0.391000 6.40e-01 9.65e-01 0.03930  
## 1798 -9.597 0.557000 1.58e-01 0.00e+00 0.78800  
## 1799 -5.703 0.776000 7.72e-04 0.00e+00 0.61000  
## 1800 -3.697 0.992000 1.90e-03 0.00e+00 0.30200  
## 1801 -7.497 0.576000 8.46e-01 0.00e+00 0.62100  
## 1802 -3.511 0.919000 2.24e-01 1.24e-05 0.64400  
## 1803 -5.739 0.832000 6.42e-03 5.00e-02 0.77700  
## 1804 -6.650 0.740000 1.10e-01 0.00e+00 0.46000  
## 1805 -9.394 0.979000 1.53e-03 8.75e-01 0.55700  
## 1806 -7.697 0.950000 6.22e-05 3.70e-04 0.24000  
## 1807 -8.575 0.687000 3.39e-01 1.16e-04 0.37200  
## 1808 -5.751 0.634000 1.92e-01 0.00e+00 0.33900  
## 1809 -8.513 0.632000 1.38e-01 0.00e+00 0.49700  
## 1810 -9.091 0.797000 1.84e-03 1.42e-05 0.20600  
## 1811 -4.119 0.996000 2.08e-03 0.00e+00 0.32700  
## 1812 -4.649 0.803000 6.47e-02 0.00e+00 0.65500  
## 1813 -10.291 0.365000 8.05e-01 3.27e-06 0.82400  
## 1814 -4.776 0.926000 2.52e-02 1.69e-01 0.65900  
## 1815 -1.799 0.984000 1.71e-01 0.00e+00 0.59700  
## 1816 -7.854 0.638000 1.79e-01 0.00e+00 0.52500  
## 1817 -2.320 0.684000 4.78e-01 1.40e-06 0.74800  
## 1818 -9.832 0.828000 3.53e-03 7.38e-06 0.49400  
## 1819 -13.682 0.158000 8.17e-01 0.00e+00 0.32900  
## 1820 -8.352 0.552000 5.64e-01 2.11e-01 0.06800  
## 1821 -5.183 0.730000 2.02e-01 0.00e+00 0.62500  
## 1822 -11.515 0.320000 6.72e-01 0.00e+00 0.40100  
## 1823 -6.555 0.503000 9.25e-02 0.00e+00 0.06880  
## 1824 -21.133 0.446000 1.21e-03 7.46e-01 0.03950  
## 1825 -28.765 0.427000 8.96e-01 9.05e-01 0.00189  
## 1826 -8.690 0.354000 7.85e-01 1.17e-06 0.17300  
## 1827 -6.249 0.956000 5.09e-03 8.63e-06 0.50200  
## 1828 -12.245 0.700000 4.36e-04 1.43e-04 0.31700  
## 1829 -15.680 0.209000 8.66e-01 2.26e-05 0.54900  
## 1830 -3.151 0.947000 2.50e-01 0.00e+00 0.88000  
## 1831 -18.813 0.153000 9.95e-01 8.67e-01 0.53100  
## 1832 -7.243 0.647000 2.81e-03 1.77e-05 0.50800  
## 1833 -13.262 0.296000 7.71e-01 0.00e+00 0.43500  
## 1834 -7.915 0.457000 1.72e-01 4.83e-04 0.76000  
## 1835 -13.256 0.363000 9.63e-01 2.71e-06 0.89200  
## 1836 -6.046 0.783000 4.73e-01 8.02e-06 0.78900  
## 1837 -2.360 0.913000 1.93e-02 8.59e-06 0.73000  
## 1838 -14.873 0.340000 2.16e-01 9.09e-01 0.03820  
## 1839 -6.759 0.627000 5.02e-01 0.00e+00 0.45200  
## 1840 -6.433 0.740000 6.31e-01 0.00e+00 0.80300  
## 1841 -11.914 0.472000 7.09e-03 9.25e-01 0.95100  
## 1842 -6.019 0.808000 1.91e-03 7.97e-04 0.90300  
## 1843 -15.846 0.227000 5.75e-01 5.91e-01 0.60900  
## 1844 -9.860 0.721000 6.12e-01 3.58e-04 0.67000  
## 1845 -7.106 0.833000 3.90e-04 2.47e-01 0.24400  
## 1846 -6.042 0.591000 7.88e-01 1.26e-05 0.65100  
## 1847 -7.091 0.530000 6.86e-02 0.00e+00 0.21900  
## 1848 -8.650 0.457000 6.11e-01 0.00e+00 0.32000  
## 1849 -21.971 0.059200 8.64e-01 5.88e-02 0.33700  
## 1850 -20.957 0.025600 9.81e-01 9.18e-01 0.10300  
## 1851 -6.234 0.639000 6.84e-02 0.00e+00 0.34700  
## 1852 -10.495 0.644000 1.12e-02 8.93e-01 0.13900  
## 1853 -8.859 0.764000 6.64e-02 9.27e-01 0.95600  
## 1854 -25.391 0.074900 9.94e-01 8.36e-01 0.20000  
## 1855 -5.321 0.829000 1.56e-01 8.02e-01 0.56600  
## 1856 -10.777 0.331000 6.40e-01 0.00e+00 0.63600  
## 1857 -9.230 0.694000 5.97e-01 0.00e+00 0.70800  
## 1858 -8.698 0.317000 7.07e-01 0.00e+00 0.59400  
## 1859 -8.632 0.458000 4.25e-01 2.66e-06 0.62100  
## 1860 -4.615 0.959000 3.56e-05 1.38e-04 0.33800  
## 1861 -2.010 0.866000 3.01e-02 0.00e+00 0.69600  
## 1862 -6.414 0.811000 5.81e-01 0.00e+00 0.68000  
## 1863 -12.155 0.225000 6.63e-01 9.47e-01 0.10500  
## 1864 -4.086 0.879000 1.56e-02 1.51e-02 0.49200  
## 1865 -4.340 0.917000 1.34e-01 4.89e-01 0.34500  
## 1866 -4.018 0.871000 4.07e-01 0.00e+00 0.76300  
## 1867 -7.480 0.323000 8.32e-01 0.00e+00 0.59800  
## 1868 -6.037 0.711000 7.40e-01 0.00e+00 0.68300  
## 1869 -9.671 0.410000 3.97e-02 2.70e-06 0.06920  
## 1870 -3.527 0.818000 5.65e-01 2.06e-06 0.91200  
## 1871 -5.198 0.715000 9.93e-02 2.91e-04 0.18700  
## 1872 -6.583 0.377000 9.92e-01 2.72e-04 0.58500  
## 1873 -7.417 0.499000 4.18e-01 0.00e+00 0.17400  
## 1874 -8.868 0.814000 7.17e-03 6.32e-02 0.81000  
## 1875 -4.557 0.887000 1.61e-03 1.43e-05 0.43800  
## 1876 -6.401 0.939000 9.41e-06 1.68e-03 0.35200  
## 1877 -12.367 0.336000 5.52e-01 0.00e+00 0.45900  
## 1878 -7.884 0.583000 6.23e-01 6.81e-04 0.42200  
## 1879 -2.815 0.953000 6.34e-01 0.00e+00 0.85200  
## 1880 -8.992 0.536000 3.81e-01 0.00e+00 0.57700  
## 1881 -4.973 0.912000 5.14e-01 0.00e+00 0.76700  
## 1882 -5.766 0.759000 3.91e-01 0.00e+00 0.94000  
## 1883 -4.345 0.754000 1.32e-01 0.00e+00 0.88300  
## 1884 -21.593 0.206000 1.57e-01 6.40e-01 0.03580  
## 1885 -16.376 0.239000 8.22e-01 0.00e+00 0.16600  
## 1886 -21.789 0.211000 8.74e-02 4.16e-06 0.35500  
## 1887 -12.637 0.107000 9.69e-01 1.30e-02 0.41400  
## 1888 -5.705 0.902000 4.40e-03 7.23e-03 0.62600  
## 1889 -8.060 0.967000 5.62e-06 8.74e-01 0.44500  
## 1890 -2.979 0.910000 1.22e-05 9.20e-02 0.30500  
## 1891 -21.957 0.280000 1.10e-01 8.78e-01 0.17700  
## 1892 -6.687 0.670000 4.19e-01 1.03e-05 0.70000  
## 1893 -6.374 0.767000 2.31e-04 9.53e-01 0.48600  
## 1894 -7.066 0.781000 4.52e-02 3.46e-03 0.27600  
## 1895 -5.807 0.957000 5.27e-03 0.00e+00 0.20500  
## 1896 -3.681 0.867000 4.93e-03 1.80e-06 0.61000  
## 1897 -7.777 0.607000 2.30e-02 5.49e-03 0.39800  
## 1898 -9.774 0.760000 7.71e-02 0.00e+00 0.40000  
## 1899 -8.266 0.681000 1.77e-01 2.68e-05 0.72300  
## 1900 -8.564 0.646000 6.58e-01 6.43e-01 0.81900  
## 1901 -26.527 0.985000 2.72e-01 9.40e-01 0.00876  
## 1902 -5.091 0.890000 7.81e-01 0.00e+00 0.80200  
## 1903 -5.111 0.920000 1.00e-02 0.00e+00 0.19300  
## 1904 -4.628 0.600000 4.46e-01 0.00e+00 0.70400  
## 1905 -1.654 0.939000 4.93e-05 6.50e-03 0.32900  
## 1906 -27.393 0.014000 9.95e-01 9.21e-01 0.10600  
## 1907 -5.665 0.900000 4.50e-03 5.96e-06 0.60600  
## 1908 -14.802 0.688000 8.92e-02 5.23e-05 0.51500  
## 1909 -10.055 0.631000 4.16e-02 2.37e-03 0.08870  
## 1910 -2.496 0.968000 8.35e-03 0.00e+00 0.69400  
## 1911 -12.967 0.422000 1.65e-02 1.83e-03 0.48700  
## 1912 -12.186 0.665000 1.19e-03 5.79e-01 0.20600  
## 1913 -8.312 0.745000 6.88e-03 6.51e-01 0.37900  
## 1914 -13.169 0.493000 3.11e-02 1.22e-06 0.80500  
## 1915 -8.418 0.580000 1.65e-01 8.17e-06 0.64900  
## 1916 -3.721 0.867000 2.97e-01 1.24e-06 0.85200  
## 1917 -9.797 0.833000 7.77e-04 4.89e-03 0.35700  
## 1918 -9.740 0.536000 1.83e-01 1.90e-05 0.50600  
## 1919 -6.611 0.951000 2.09e-03 6.83e-01 0.51200  
## 1920 -2.380 0.854000 5.24e-01 0.00e+00 0.96500  
## 1921 -7.720 0.718000 1.54e-01 1.88e-05 0.37400  
## 1922 -5.168 0.900000 5.08e-04 9.01e-01 0.11500  
## 1923 -14.424 0.193000 8.17e-01 0.00e+00 0.51000  
## 1924 -4.589 0.921000 1.94e-02 8.81e-02 0.70000  
## 1925 -9.481 0.350000 2.63e-02 8.68e-01 0.31000  
## 1926 -6.577 0.829000 2.93e-02 0.00e+00 0.57500  
## 1927 -15.703 0.132000 9.72e-01 4.74e-02 0.03580  
## 1928 -11.624 0.250000 7.34e-01 9.28e-04 0.11500  
## 1929 -4.664 0.693000 2.70e-02 0.00e+00 0.57200  
## 1930 -8.305 0.616000 9.45e-01 0.00e+00 0.68700  
## 1931 -11.597 0.553000 2.05e-02 9.01e-01 0.26400  
## 1932 -16.376 0.108000 8.61e-01 9.34e-01 0.06310  
## 1933 -4.496 0.961000 8.98e-02 0.00e+00 0.84200  
## 1934 -8.779 0.366000 4.32e-01 0.00e+00 0.98300  
## 1935 -4.587 0.828000 9.28e-03 1.95e-04 0.67500  
## 1936 -7.837 0.590000 4.67e-01 7.90e-01 0.60200  
## 1937 -7.745 0.724000 8.97e-03 6.89e-04 0.69800  
## 1938 -14.610 0.188000 8.73e-01 2.70e-04 0.51100  
## 1939 -10.718 0.634000 1.11e-01 0.00e+00 0.88600  
## 1940 -6.288 0.906000 1.13e-02 1.21e-04 0.59300  
## 1941 -4.670 0.867000 4.15e-02 0.00e+00 0.86200  
## 1942 -7.005 0.555000 3.66e-02 6.18e-04 0.07570  
## 1943 -12.913 0.292000 5.06e-01 4.12e-06 0.40400  
## 1944 -12.332 0.445000 8.41e-01 1.76e-06 0.79500  
## 1945 -6.970 0.834000 6.10e-01 0.00e+00 0.49500  
## 1946 -10.252 0.704000 1.15e-01 1.86e-06 0.57400  
## 1947 -19.877 0.271000 8.46e-01 8.15e-01 0.05640  
## 1948 -7.491 0.400000 5.47e-01 4.48e-03 0.18600  
## 1949 -7.247 0.498000 7.58e-02 1.51e-06 0.22100  
## 1950 -15.338 0.147000 9.46e-01 5.72e-05 0.10400  
## 1951 -6.141 0.881000 1.34e-02 0.00e+00 0.54100  
## 1952 -6.377 0.713000 6.32e-01 0.00e+00 0.44700  
## 1953 -7.080 0.885000 1.81e-02 8.80e-01 0.63600  
## 1954 -7.913 0.669000 2.24e-01 0.00e+00 0.72400  
## 1955 -7.553 0.955000 3.52e-06 7.91e-02 0.21300  
## 1956 -9.600 0.540000 5.23e-01 1.34e-06 0.44000  
## 1957 -14.316 0.194000 9.14e-01 6.98e-02 0.43000  
## 1958 -23.446 0.028400 9.76e-01 6.73e-01 0.03620  
## 1959 -7.961 0.448000 8.69e-01 4.60e-04 0.49000  
## 1960 -2.073 0.941000 1.78e-03 1.21e-02 0.25800  
## 1961 -6.937 0.826000 8.48e-03 8.98e-06 0.87000  
## 1962 -6.317 0.629000 2.58e-04 3.61e-06 0.80400  
## 1963 -25.703 0.035900 9.96e-01 9.24e-01 0.15500  
## 1964 -6.600 0.693000 2.99e-01 0.00e+00 0.96200  
## 1965 -6.481 0.805000 1.37e-01 0.00e+00 0.79700  
## 1966 -6.512 0.761000 4.86e-01 0.00e+00 0.88100  
## 1967 -2.928 0.876000 3.25e-02 0.00e+00 0.42100  
## 1968 -5.075 0.618000 7.26e-01 1.10e-04 0.43300  
## 1969 -13.742 0.294000 9.18e-01 1.36e-04 0.57500  
## 1970 -4.598 0.946000 1.12e-04 0.00e+00 0.47100  
## 1971 -14.074 0.508000 8.02e-01 3.94e-04 0.42600  
## 1972 -22.967 0.269000 1.00e-01 7.90e-01 0.03410  
## 1973 -3.817 0.947000 1.32e-02 0.00e+00 0.49800  
## 1974 -12.244 0.289000 5.86e-01 3.19e-06 0.86600  
## 1975 -22.933 0.000242 7.69e-06 8.54e-01 0.00000  
## 1976 -12.996 0.683000 9.15e-03 8.94e-01 0.62700  
## 1977 -13.019 0.294000 8.30e-01 5.18e-05 0.31100  
## 1978 -13.232 0.497000 3.96e-02 0.00e+00 0.78100  
## 1979 -6.688 0.682000 1.46e-02 0.00e+00 0.55100  
## 1980 -9.492 0.402000 9.64e-01 1.61e-02 0.63200  
## 1981 -3.294 0.919000 1.27e-03 0.00e+00 0.29200  
## 1982 -19.116 0.139000 7.71e-01 9.56e-01 0.03460  
## 1983 -12.451 0.459000 7.33e-01 5.93e-02 0.35000  
## 1984 -3.653 0.981000 7.87e-05 9.28e-01 0.06620  
## 1985 -5.370 0.921000 3.03e-02 2.27e-01 0.69200  
## 1986 -6.867 0.595000 2.90e-03 8.74e-01 0.34600  
## 1987 -11.520 0.459000 1.46e-02 9.10e-01 0.13700  
## 1988 -20.655 0.087800 8.94e-01 5.10e-01 0.03740  
## 1989 -10.637 0.251000 8.52e-01 1.19e-04 0.65000  
## 1990 -22.884 0.075200 9.73e-01 9.21e-01 0.08490  
## 1991 -10.965 0.313000 5.86e-01 0.00e+00 0.57800  
## 1992 -2.648 0.975000 6.04e-02 1.24e-06 0.84200  
## 1993 -3.400 0.922000 1.35e-02 2.04e-01 0.39300  
## 1994 -5.095 0.959000 3.58e-04 0.00e+00 0.63700  
## 1995 -11.095 0.816000 9.59e-03 5.78e-01 0.42700  
## 1996 -10.046 0.577000 2.58e-01 1.02e-04 0.68900  
## 1997 -8.034 0.873000 2.05e-01 0.00e+00 0.92200  
## 1998 -4.574 0.948000 1.73e-01 0.00e+00 0.86300  
## 1999 -7.763 0.804000 3.09e-01 1.81e-06 0.75700  
## 2000 -4.403 0.996000 1.08e-05 4.49e-04 0.24600  
## 2001 -2.402 0.903000 1.07e-03 8.91e-01 0.88800  
## 2002 -6.474 0.561000 4.26e-01 0.00e+00 0.31000  
## 2003 -23.331 0.118000 8.45e-01 9.08e-01 0.26200  
## 2004 -10.579 0.473000 3.41e-01 8.28e-01 0.06150  
## 2005 -5.170 0.849000 6.27e-04 1.15e-03 0.24500  
## 2006 -5.588 0.721000 2.59e-01 0.00e+00 0.66000  
## 2007 -11.948 0.384000 8.25e-01 2.99e-02 0.65700  
## 2008 -7.777 0.598000 9.04e-02 5.51e-01 0.18000  
## 2009 -11.558 0.805000 9.99e-02 9.11e-01 0.77200  
## 2010 -9.849 0.700000 8.27e-02 1.31e-01 0.53700  
## 2011 -7.153 0.635000 1.20e-01 2.06e-04 0.43900  
## 2012 -3.288 0.836000 2.21e-05 9.60e-01 0.14000  
## 2013 -10.725 0.425000 4.12e-01 1.73e-02 0.71300  
## 2014 -22.676 0.147000 8.74e-01 8.04e-01 0.11200  
## 2015 -13.594 0.413000 5.82e-01 5.41e-03 0.63400  
## 2016 -3.218 0.963000 9.57e-02 0.00e+00 0.70100  
## 2017 -5.136 0.750000 3.15e-04 1.82e-01 0.15500  
## 2018 -13.952 0.744000 9.63e-02 1.09e-02 0.80700  
## 2019 -4.355 0.790000 2.64e-01 3.91e-05 0.91400  
## 2020 -3.709 0.733000 3.06e-01 0.00e+00 0.69400  
## 2021 -10.824 0.394000 6.36e-01 0.00e+00 0.33900  
## 2022 -10.411 0.191000 7.65e-01 0.00e+00 0.50300  
## 2023 -8.577 0.575000 9.31e-01 7.86e-01 0.38900  
## 2024 -3.823 0.994000 1.55e-05 7.02e-03 0.34300  
## 2025 -6.788 0.820000 7.76e-01 0.00e+00 0.48400  
## 2026 -6.079 0.893000 3.65e-03 6.36e-02 0.34200  
## 2027 -3.365 0.808000 2.35e-04 0.00e+00 0.38000  
## 2028 -4.179 0.765000 1.01e-01 8.28e-04 0.38400  
## 2029 -11.218 0.362000 4.58e-02 6.01e-06 0.15800  
## 2030 -7.950 0.794000 1.99e-03 6.77e-04 0.81300  
## 2031 -17.820 0.440000 7.19e-01 8.95e-01 0.40700  
## 2032 -9.810 0.350000 7.44e-01 0.00e+00 0.68200  
## 2033 -12.159 0.195000 6.17e-01 2.60e-01 0.52400  
## 2034 -4.132 0.941000 1.02e-05 4.67e-01 0.52800  
## 2035 -7.805 0.685000 1.19e-01 0.00e+00 0.27700  
## 2036 -6.372 0.439000 8.46e-01 0.00e+00 0.56000  
## 2037 -18.628 0.475000 2.63e-01 7.01e-03 0.40600  
## 2038 -5.921 0.712000 6.57e-01 0.00e+00 0.84700  
## 2039 -11.919 0.340000 4.46e-01 6.41e-02 0.06400  
## 2040 -7.074 0.786000 3.70e-05 7.05e-01 0.39800  
## 2041 -4.379 0.672000 1.19e-01 0.00e+00 0.75400  
## 2042 -8.007 0.464000 2.37e-01 0.00e+00 0.50900  
## 2043 -10.113 0.322000 8.26e-01 0.00e+00 0.45100  
## 2044 -6.517 0.869000 3.76e-01 1.57e-06 0.89400  
## 2045 -4.378 0.727000 2.37e-01 0.00e+00 0.50100  
## 2046 -11.413 0.382000 9.87e-01 1.65e-01 0.44700  
## 2047 -8.958 0.772000 7.82e-02 3.57e-05 0.39200  
## 2048 -3.528 0.961000 4.48e-03 6.25e-01 0.14900  
## 2049 -4.980 0.940000 6.13e-06 2.36e-05 0.17800  
## 2050 -20.848 0.547000 8.14e-05 9.69e-01 0.02330  
## 2051 -8.881 0.612000 1.04e-01 5.49e-06 0.16600  
## 2052 -15.163 0.245000 2.77e-01 6.98e-04 0.15200  
## 2053 -6.609 0.749000 1.45e-01 0.00e+00 0.73300  
## 2054 -11.359 0.435000 4.49e-01 0.00e+00 0.43500  
## 2055 -7.524 0.578000 4.43e-01 0.00e+00 0.22700  
## 2056 -15.958 0.259000 7.73e-01 7.13e-01 0.05010  
## 2057 -6.799 0.787000 8.65e-05 5.34e-05 0.52600  
## 2058 -4.702 0.527000 5.63e-02 4.12e-04 0.58800  
## 2059 -5.669 0.311000 9.90e-01 0.00e+00 0.48700  
## 2060 -12.691 0.385000 5.09e-01 1.72e-02 0.26000  
## 2061 -7.751 0.683000 2.93e-03 0.00e+00 0.74800  
## 2062 -8.890 0.503000 5.83e-03 8.09e-01 0.38000  
## 2063 -29.867 0.019300 9.17e-01 1.36e-03 0.31000  
## 2064 -2.770 0.951000 3.90e-01 2.08e-06 0.93800  
## 2065 -7.030 0.831000 3.04e-03 3.21e-03 0.72100  
## 2066 -8.327 0.294000 7.64e-01 0.00e+00 0.12600  
## 2067 -5.146 0.817000 1.18e-01 0.00e+00 0.43700  
## 2068 -10.886 0.519000 2.71e-02 9.44e-01 0.47800  
## 2069 -9.227 0.395000 7.80e-01 1.79e-02 0.08110  
## 2070 -3.174 0.911000 1.44e-03 2.17e-06 0.68400  
## 2071 -6.997 0.499000 1.66e-02 0.00e+00 0.23200  
## 2072 -10.685 0.209000 9.19e-01 1.98e-06 0.14100  
## 2073 -4.568 0.808000 2.20e-01 0.00e+00 0.86900  
## 2074 -5.919 0.506000 9.10e-01 6.35e-01 0.04310  
## 2075 -9.381 0.596000 9.76e-03 2.16e-03 0.31400  
## 2076 -5.670 0.749000 1.13e-02 1.06e-01 0.64900  
## 2077 -4.639 0.818000 4.70e-01 0.00e+00 0.78200  
## 2078 -10.524 0.676000 2.14e-01 8.47e-01 0.88700  
## 2079 -6.612 0.831000 2.35e-01 1.42e-03 0.67800  
## 2080 -5.873 0.860000 4.61e-01 0.00e+00 0.96300  
## 2081 -6.972 0.473000 4.19e-01 0.00e+00 0.20100  
## 2082 -6.791 0.887000 6.96e-01 1.69e-06 0.81900  
## 2083 -5.643 0.880000 3.02e-01 0.00e+00 0.78600  
## 2084 -9.327 0.339000 9.22e-01 0.00e+00 0.14800  
## 2085 -3.214 0.934000 2.38e-02 0.00e+00 0.96000  
## 2086 -4.126 0.951000 5.80e-04 1.65e-03 0.49100  
## 2087 -5.409 0.564000 2.70e-01 1.53e-05 0.23100  
## 2088 -4.008 0.954000 5.49e-05 1.37e-04 0.48800  
## 2089 -3.291 0.988000 1.93e-05 8.14e-01 0.19400  
## 2090 -5.325 0.859000 6.23e-01 0.00e+00 0.72800  
## 2091 -4.877 0.954000 4.55e-04 0.00e+00 0.48500  
## 2092 -5.044 0.472000 7.01e-01 8.31e-01 0.63600  
## 2093 -12.384 0.359000 3.57e-01 8.55e-06 0.20600  
## 2094 -6.530 0.710000 6.05e-01 1.51e-06 0.85800  
## 2095 -14.908 0.821000 5.40e-02 9.18e-01 0.91200  
## 2096 -6.942 0.450000 7.50e-01 0.00e+00 0.19300  
## 2097 -3.228 0.993000 5.75e-04 0.00e+00 0.54000  
## 2098 -6.823 0.882000 1.17e-01 0.00e+00 0.46800  
## 2099 -4.562 0.968000 6.90e-05 1.41e-01 0.03870  
## 2100 -7.761 0.674000 4.83e-01 0.00e+00 0.86200  
## 2101 -3.844 0.968000 4.07e-05 9.72e-01 0.03600  
## 2102 -3.487 0.960000 1.42e-02 0.00e+00 0.08570  
## 2103 -9.790 0.274000 2.62e-01 2.30e-01 0.04050  
## 2104 -28.215 0.007090 9.93e-01 8.75e-01 0.24500  
## 2105 -6.178 0.787000 4.92e-02 0.00e+00 0.52500  
## 2106 -3.315 0.921000 2.37e-02 4.89e-06 0.77000  
## 2107 -2.941 0.983000 1.53e-02 2.23e-03 0.57200  
## 2108 -6.484 0.789000 3.79e-01 0.00e+00 0.75300  
## 2109 -10.080 0.723000 5.66e-05 4.32e-04 0.55400  
## 2110 -22.980 0.988000 1.59e-01 8.49e-01 0.01030  
## 2111 -12.764 0.921000 1.18e-05 8.91e-01 0.09290  
## 2112 -14.966 0.298000 9.74e-01 2.30e-05 0.52900  
## 2113 -5.081 0.949000 2.32e-01 4.91e-04 0.78500  
## 2114 -19.015 0.544000 9.71e-01 4.89e-02 0.03420  
## 2115 -8.324 0.280000 8.57e-01 7.07e-06 0.45500  
## 2116 -25.223 0.219000 9.61e-01 4.80e-01 0.25500  
## 2117 -4.802 0.947000 8.18e-04 2.13e-03 0.30000  
## 2118 -5.576 0.741000 5.65e-02 0.00e+00 0.49800  
## 2119 -4.369 0.883000 3.63e-01 0.00e+00 0.59300  
## 2120 -5.957 0.875000 2.03e-01 1.51e-03 0.52300  
## 2121 -11.594 0.846000 2.42e-06 8.99e-01 0.35900  
## 2122 -7.804 0.802000 8.87e-02 0.00e+00 0.45100  
## 2123 -6.543 0.898000 3.28e-04 7.96e-01 0.22900  
## 2124 -6.941 0.676000 3.68e-04 9.33e-01 0.03730  
## 2125 -4.158 0.820000 9.72e-04 0.00e+00 0.71000  
## 2126 -3.213 0.847000 1.07e-01 0.00e+00 0.71200  
## 2127 -4.478 0.828000 1.74e-01 0.00e+00 0.80100  
## 2128 -13.911 0.348000 9.87e-01 1.04e-01 0.90000  
## 2129 -8.799 0.419000 1.73e-02 5.05e-01 0.21600  
## 2130 -11.154 0.103000 9.65e-01 2.32e-06 0.43800  
## 2131 -9.284 0.528000 5.92e-01 0.00e+00 0.67500  
## 2132 -2.911 0.918000 2.82e-02 0.00e+00 0.69600  
## 2133 -10.762 0.722000 1.15e-04 2.08e-02 0.28400  
## 2134 -12.610 0.730000 1.42e-01 9.21e-01 0.56200  
## 2135 -6.283 0.555000 2.30e-01 0.00e+00 0.50400  
## 2136 -10.540 0.557000 5.32e-01 8.36e-01 0.42600  
## 2137 -14.788 0.279000 4.47e-01 0.00e+00 0.40500  
## 2138 -7.246 0.855000 6.34e-01 9.35e-01 0.57600  
## 2139 -2.703 0.991000 1.95e-03 0.00e+00 0.66500  
## 2140 -11.252 0.343000 9.69e-01 6.40e-03 0.26100  
## 2141 -2.779 0.996000 1.58e-05 2.32e-02 0.05760  
## 2142 -4.130 0.966000 2.62e-04 1.48e-01 0.21500  
## 2143 -3.082 0.906000 1.46e-04 2.29e-02 0.03900  
## 2144 -9.023 0.499000 7.32e-01 9.36e-01 0.33800  
## 2145 -8.825 0.787000 6.83e-01 0.00e+00 0.90000  
## 2146 -3.897 0.514000 5.81e-01 0.00e+00 0.36400  
## 2147 -5.970 0.567000 4.17e-01 0.00e+00 0.22300  
## 2148 -4.208 0.946000 5.76e-04 0.00e+00 0.27000  
## 2149 -10.151 0.595000 3.33e-01 0.00e+00 0.51900  
## 2150 -12.539 0.325000 4.16e-01 0.00e+00 0.19400  
## 2151 -4.108 0.871000 2.88e-06 7.16e-01 0.48500  
## 2152 -16.525 0.305000 6.75e-01 9.84e-01 0.00001  
## 2153 -6.349 0.925000 1.35e-05 7.03e-01 0.20000  
## 2154 -14.156 0.686000 7.25e-05 6.72e-01 0.96100  
## 2155 -4.733 0.798000 4.16e-03 2.83e-03 0.81200  
## 2156 -8.043 0.686000 3.27e-02 0.00e+00 0.68300  
## 2157 -6.487 0.819000 1.91e-02 1.33e-02 0.73200  
## 2158 -8.762 0.952000 1.69e-02 1.11e-02 0.47200  
## 2159 -4.790 0.949000 6.14e-04 2.44e-04 0.50300  
## 2160 -2.731 0.985000 1.25e-02 2.35e-04 0.51400  
## 2161 -9.873 0.282000 9.28e-01 0.00e+00 0.29600  
## 2162 -16.836 0.093200 9.65e-01 1.78e-05 0.63300  
## 2163 -7.038 0.894000 1.94e-03 5.52e-01 0.86500  
## 2164 -5.966 0.620000 1.95e-01 7.78e-01 0.68100  
## 2165 -8.212 0.633000 3.36e-01 4.60e-05 0.89500  
## 2166 -4.645 0.816000 4.83e-01 0.00e+00 0.79000  
## 2167 -8.236 0.680000 5.43e-03 1.62e-04 0.11800  
## 2168 -14.264 0.284000 6.87e-01 4.44e-03 0.16900  
## 2169 -8.738 0.468000 5.55e-03 9.85e-02 0.53200  
## 2170 -14.222 0.280000 7.01e-01 7.07e-01 0.08430  
## 2171 -11.418 0.282000 7.76e-01 2.88e-03 0.31700  
## 2172 -6.128 0.975000 6.07e-05 1.00e-01 0.27600  
## 2173 -12.555 0.164000 9.93e-01 2.68e-03 0.39300  
## 2174 -4.615 0.861000 6.12e-02 2.89e-04 0.62500  
## 2175 -10.373 0.412000 2.51e-01 3.21e-04 0.38800  
## 2176 -11.082 0.336000 4.09e-01 0.00e+00 0.25000  
## 2177 -4.365 0.923000 7.29e-02 0.00e+00 0.78600  
## 2178 -5.696 0.691000 8.05e-02 0.00e+00 0.38200  
## 2179 -6.388 0.879000 1.39e-01 0.00e+00 0.54600  
## 2180 -13.299 0.795000 6.15e-01 9.48e-01 0.91600  
## 2181 -8.272 0.666000 2.56e-01 0.00e+00 0.92300  
## 2182 -5.258 0.677000 8.36e-03 0.00e+00 0.14400  
## 2183 -8.809 0.560000 7.23e-01 0.00e+00 0.91300  
## 2184 -18.982 0.135000 9.79e-01 9.48e-01 0.08300  
## 2185 -6.847 0.883000 4.83e-03 2.99e-03 0.79800  
## 2186 -4.394 0.672000 3.63e-02 8.78e-06 0.52600  
## 2187 -8.716 0.717000 1.80e-01 0.00e+00 0.79800  
## 2188 -20.386 0.115000 9.84e-01 9.75e-01 0.18800  
## 2189 -8.386 0.544000 8.71e-01 2.19e-04 0.49100  
## 2190 -7.621 0.948000 9.69e-05 1.98e-01 0.31800  
## 2191 -3.860 0.985000 5.11e-04 2.18e-05 0.71300  
## 2192 -5.094 0.901000 1.99e-02 1.56e-03 0.98500  
## 2193 -4.812 0.896000 1.53e-02 1.26e-05 0.82000  
## 2194 -5.775 0.857000 7.60e-02 4.58e-03 0.63300  
## 2195 -5.040 0.992000 1.31e-03 5.96e-03 0.10000  
## 2196 -7.197 0.419000 3.32e-01 8.74e-01 0.35800  
## 2197 -10.024 0.480000 1.67e-02 0.00e+00 0.63300  
## 2198 -9.967 0.617000 9.33e-01 9.26e-01 0.55200  
## 2199 -14.454 0.225000 9.02e-01 6.57e-01 0.24300  
## 2200 -4.688 0.936000 6.16e-04 6.88e-05 0.35900  
## 2201 -5.116 0.963000 2.86e-04 8.89e-04 0.82300  
## 2202 -13.116 0.113000 8.83e-01 7.63e-03 0.06280  
## 2203 -6.547 0.964000 2.52e-05 6.49e-02 0.21000  
## 2204 -6.189 0.882000 4.25e-02 0.00e+00 0.63300  
## 2205 -4.296 0.917000 4.76e-04 2.19e-06 0.24500  
## 2206 -7.241 0.676000 2.34e-02 0.00e+00 0.37300  
## 2207 -8.289 0.459000 8.80e-01 2.16e-03 0.47300  
## 2208 -4.667 0.785000 2.76e-01 0.00e+00 0.49100  
## 2209 -5.211 0.910000 5.04e-02 0.00e+00 0.67500  
## 2210 -12.184 0.267000 5.33e-01 0.00e+00 0.71400  
## 2211 -14.144 0.254000 9.17e-01 1.00e-04 0.45500  
## 2212 -12.502 0.541000 7.72e-03 5.46e-01 0.52700  
## 2213 -8.230 0.615000 3.84e-02 0.00e+00 0.74600  
## 2214 -15.620 0.173000 9.89e-01 3.79e-03 0.68500  
## 2215 -8.361 0.886000 4.57e-04 0.00e+00 0.31200  
## 2216 -4.935 0.696000 8.57e-02 8.09e-05 0.31200  
## 2217 -4.063 0.934000 2.97e-05 8.90e-03 0.28500  
## 2218 -2.293 0.982000 9.11e-05 1.49e-01 0.50100  
## 2219 -4.157 0.964000 5.99e-04 1.14e-05 0.71200  
## 2220 -4.995 0.946000 5.49e-02 0.00e+00 0.85500  
## 2221 -5.668 0.849000 4.79e-02 0.00e+00 0.36500  
## 2222 -5.297 0.714000 2.80e-01 0.00e+00 0.96900  
## 2223 -28.367 0.058000 7.93e-01 8.92e-01 0.03430  
## 2224 -1.559 0.951000 1.48e-01 0.00e+00 0.32400  
## 2225 -8.001 0.990000 3.75e-04 4.19e-01 0.92600  
## 2226 -10.068 0.932000 1.30e-02 1.69e-01 0.61900  
## 2227 -3.208 0.991000 1.32e-06 7.19e-01 0.16600  
## 2228 -7.096 0.624000 7.54e-02 7.62e-04 0.47200  
## 2229 -4.285 0.931000 2.04e-05 6.04e-01 0.61600  
## 2230 -10.263 0.414000 9.27e-01 3.57e-04 0.35600  
## 2231 -8.007 0.780000 2.40e-03 5.06e-02 0.51000  
## 2232 -4.895 0.971000 7.21e-06 8.96e-01 0.66400  
## 2233 -5.237 0.979000 2.06e-02 8.30e-01 0.35600  
## 2234 -12.435 0.681000 7.25e-01 0.00e+00 0.96300  
## 2235 -13.693 0.183000 8.82e-01 5.58e-06 0.20100  
## 2236 -5.822 0.867000 4.29e-04 1.37e-06 0.24800  
## 2237 -4.941 0.603000 2.30e-01 0.00e+00 0.20800  
## 2238 -8.953 0.601000 8.41e-01 0.00e+00 0.60100  
## 2239 -4.470 0.896000 9.40e-03 3.45e-04 0.96200  
## 2240 -4.168 0.972000 2.98e-06 2.67e-02 0.35700  
## 2241 -11.013 0.396000 2.21e-01 0.00e+00 0.71800  
## 2242 -12.115 0.273000 4.98e-01 2.48e-04 0.13900  
## 2243 -4.874 0.728000 2.52e-05 7.41e-05 0.53500  
## 2244 -8.515 0.818000 1.11e-01 0.00e+00 0.47500  
## 2245 -25.318 0.377000 5.46e-01 0.00e+00 0.34200  
## 2246 -12.231 0.400000 7.72e-01 2.64e-02 0.14300  
## 2247 -14.140 0.672000 3.79e-01 8.95e-01 0.14000  
## 2248 -23.622 0.233000 8.43e-01 8.76e-01 0.03880  
## 2249 -4.388 0.706000 9.22e-01 0.00e+00 0.80200  
## 2250 -7.507 0.713000 1.60e-01 0.00e+00 0.44700  
## 2251 -9.599 0.596000 7.66e-01 8.88e-02 0.59700  
## 2252 -6.016 0.733000 6.70e-01 0.00e+00 0.67200  
## 2253 -5.944 0.949000 1.16e-01 1.87e-05 0.67000  
## 2254 -11.425 0.259000 6.52e-01 0.00e+00 0.56200  
## 2255 -7.432 0.464000 7.39e-01 1.33e-06 0.87000  
## 2256 -9.319 0.467000 2.17e-02 9.31e-01 0.55900  
## 2257 -7.451 0.723000 4.08e-01 4.77e-05 0.86900  
## 2258 -4.449 0.947000 8.61e-01 0.00e+00 0.35400  
## 2259 -15.596 0.224000 1.89e-01 2.01e-01 0.33900  
## 2260 -3.867 0.728000 3.88e-01 0.00e+00 0.57000  
## 2261 -6.666 0.959000 2.15e-01 5.35e-04 0.55600  
## 2262 -8.465 0.557000 7.51e-01 0.00e+00 0.79700  
## 2263 -11.245 0.793000 4.36e-01 5.84e-03 0.06540  
## 2264 -10.577 0.260000 9.13e-01 2.10e-06 0.49000  
## 2265 -22.729 0.157000 8.89e-01 9.47e-01 0.06840  
## 2266 -3.933 0.932000 1.39e-04 7.02e-05 0.46000  
## 2267 -5.907 0.727000 3.16e-02 1.88e-01 0.78800  
## 2268 -2.614 0.990000 2.61e-03 0.00e+00 0.55800  
## 2269 -7.515 0.733000 3.64e-01 8.32e-06 0.90300  
## 2270 -6.827 0.920000 1.15e-03 8.88e-01 0.13500  
## 2271 -8.921 0.411000 7.45e-01 6.08e-05 0.34800  
## 2272 -7.372 0.414000 3.71e-02 7.91e-01 0.12200  
## 2273 -25.310 0.034900 9.95e-01 9.51e-01 0.35400  
## 2274 -22.530 0.056000 9.49e-01 7.65e-01 0.04370  
## 2275 -6.136 0.524000 4.20e-01 9.27e-06 0.71100  
## 2276 -1.076 0.963000 1.19e-01 9.09e-01 0.23900  
## 2277 -9.080 0.451000 8.22e-01 0.00e+00 0.53400  
## 2278 -5.422 0.791000 3.53e-01 0.00e+00 0.70800  
## 2279 -6.696 0.641000 1.04e-02 0.00e+00 0.13400  
## 2280 -6.964 0.476000 2.10e-01 1.27e-04 0.17000  
## 2281 -5.660 0.676000 1.65e-02 9.10e-01 0.14700  
## 2282 -4.629 0.773000 1.58e-03 9.57e-02 0.54100  
## 2283 -8.237 0.655000 7.88e-01 9.01e-01 0.45400  
## 2284 -6.228 0.829000 3.86e-01 6.20e-05 0.74400  
## 2285 -11.164 0.494000 9.38e-01 9.34e-04 0.59200  
## 2286 -19.407 0.155000 8.90e-01 9.35e-01 0.25700  
## 2287 -6.120 0.898000 5.58e-06 1.41e-01 0.48200  
## 2288 -5.879 0.544000 4.98e-01 1.15e-06 0.34500  
## 2289 -4.449 0.791000 3.63e-01 0.00e+00 0.31500  
## 2290 -12.130 0.324000 8.88e-01 2.64e-04 0.16100  
## 2291 -9.590 0.130000 9.47e-01 0.00e+00 0.33800  
## 2292 -9.410 0.820000 1.45e-03 5.12e-01 0.19500  
## 2293 -5.703 0.711000 1.70e-03 2.51e-02 0.95900  
## 2294 -10.492 0.614000 5.27e-01 1.75e-02 0.60100  
## 2295 -4.874 0.575000 6.79e-02 7.22e-05 0.33000  
## 2296 -4.363 0.742000 2.86e-03 1.05e-03 0.47000  
## 2297 -8.868 0.617000 7.41e-01 2.67e-01 0.81300  
## 2298 -5.556 0.817000 1.33e-01 0.00e+00 0.56400  
## 2299 -3.705 0.729000 4.48e-01 0.00e+00 0.77300  
## 2300 -10.238 0.447000 7.42e-01 0.00e+00 0.53600  
## 2301 -6.906 0.793000 5.64e-02 0.00e+00 0.94300  
## 2302 -7.525 0.746000 7.84e-02 0.00e+00 0.84200  
## 2303 -5.188 0.762000 2.24e-02 0.00e+00 0.85900  
## 2304 -6.354 0.653000 5.28e-02 9.48e-01 0.78400  
## 2305 -2.466 0.926000 4.43e-06 4.67e-03 0.14900  
## 2306 -7.490 0.543000 9.76e-01 6.46e-01 0.52000  
## 2307 -7.981 0.833000 3.27e-04 2.36e-05 0.58600  
## 2308 -13.649 0.327000 8.85e-01 0.00e+00 0.12900  
## 2309 -4.488 0.989000 3.64e-04 2.48e-05 0.40700  
## 2310 -13.232 0.601000 1.47e-01 1.06e-01 0.67900  
## 2311 -7.787 0.324000 9.23e-01 3.35e-05 0.44600  
## 2312 -7.297 0.432000 8.88e-01 6.17e-01 0.12600  
## 2313 -4.478 0.752000 4.92e-01 0.00e+00 0.45700  
## 2314 -6.156 0.602000 5.25e-02 0.00e+00 0.19000  
## 2315 -19.674 0.108000 9.83e-01 8.49e-01 0.15900  
## 2316 -10.192 0.719000 2.21e-02 0.00e+00 0.58500  
## 2317 -25.938 0.071200 7.95e-01 9.21e-01 0.04470  
## 2318 -5.778 0.989000 7.96e-05 3.78e-01 0.53400  
## 2319 -5.595 0.660000 2.08e-01 0.00e+00 0.54900  
## 2320 -7.354 0.679000 6.73e-01 4.41e-04 0.87700  
## 2321 -14.684 0.228000 8.34e-01 8.05e-04 0.16100  
## 2322 -5.248 0.674000 8.81e-02 0.00e+00 0.24800  
## 2323 -4.917 0.939000 2.24e-05 2.89e-05 0.45400  
## 2324 -8.286 0.747000 4.13e-01 3.56e-05 0.26600  
## 2325 -10.658 0.489000 9.19e-01 1.90e-05 0.76000  
## 2326 -10.506 0.662000 7.67e-01 0.00e+00 0.74700  
## 2327 -6.441 0.870000 1.85e-01 6.15e-05 0.87800  
## 2328 -10.938 0.478000 6.29e-01 0.00e+00 0.82400  
## 2329 -7.694 0.660000 3.46e-01 0.00e+00 0.81800  
## 2330 -5.928 0.459000 6.42e-01 1.48e-06 0.23200  
## 2331 -6.554 0.813000 2.21e-03 2.04e-02 0.38200  
## 2332 -12.112 0.374000 8.65e-01 3.04e-04 0.24400  
## 2333 -10.465 0.811000 4.26e-03 1.26e-01 0.74300  
## 2334 -4.387 0.765000 1.78e-02 0.00e+00 0.68500  
## 2335 -6.218 0.727000 1.39e-03 0.00e+00 0.30700  
## 2336 -10.624 0.429000 4.17e-01 4.90e-01 0.32400  
## 2337 -7.521 0.479000 7.56e-01 0.00e+00 0.51700  
## 2338 -4.361 0.606000 6.87e-01 1.89e-04 0.58100  
## 2339 -20.256 0.078500 9.69e-01 4.99e-01 0.07480  
## 2340 -6.897 0.836000 3.07e-01 0.00e+00 0.95000  
## 2341 -5.537 0.857000 8.60e-04 3.26e-02 0.07140  
## 2342 -3.711 0.772000 6.60e-01 0.00e+00 0.65500  
## 2343 -1.515 0.994000 5.33e-02 8.14e-01 0.23300  
## 2344 -13.844 0.560000 1.89e-01 4.55e-03 0.85500  
## 2345 -10.160 0.777000 1.74e-02 9.14e-01 0.86900  
## 2346 -5.676 0.569000 6.08e-01 0.00e+00 0.26400  
## 2347 -19.074 0.566000 8.46e-01 7.67e-01 0.03960  
## 2348 -6.739 0.724000 7.75e-02 8.85e-01 0.40100  
## 2349 -3.179 0.957000 1.61e-02 0.00e+00 0.69100  
## 2350 -25.051 0.118000 7.38e-01 9.80e-01 0.03250  
## 2351 -4.349 0.636000 6.11e-01 0.00e+00 0.38800  
## 2352 -7.572 0.799000 3.05e-01 2.97e-05 0.68800  
## 2353 -5.284 0.813000 1.06e-01 0.00e+00 0.81400  
## 2354 -3.551 0.863000 1.33e-01 5.38e-02 0.53200  
## 2355 -5.162 0.450000 8.46e-01 0.00e+00 0.34800  
## 2356 -9.229 0.897000 3.12e-03 9.21e-03 0.66800  
## 2357 -10.328 0.288000 8.43e-01 1.15e-02 0.57200  
## 2358 -4.175 0.929000 2.87e-03 9.08e-06 0.27200  
## 2359 -12.477 0.624000 9.28e-03 6.86e-01 0.03060  
## 2360 -5.318 0.985000 2.63e-05 3.26e-01 0.03980  
## 2361 -6.313 0.890000 1.49e-03 5.26e-04 0.31700  
## 2362 -7.163 0.765000 8.63e-04 1.58e-02 0.49200  
## 2363 -4.953 0.766000 2.56e-01 0.00e+00 0.79400  
## 2364 -16.433 0.169000 9.81e-01 4.97e-04 0.31700  
## 2365 -1.642 0.951000 1.95e-03 0.00e+00 0.74800  
## 2366 -9.594 0.736000 6.57e-01 0.00e+00 0.95300  
## 2367 -3.882 0.727000 5.56e-02 0.00e+00 0.48100  
## 2368 -12.238 0.676000 7.24e-04 9.58e-01 0.13700  
## 2369 -2.497 0.939000 2.74e-02 5.61e-01 0.44300  
## 2370 -6.444 0.474000 8.39e-01 8.90e-04 0.31000  
## 2371 -4.330 0.905000 3.14e-03 0.00e+00 0.50400  
## 2372 -2.493 0.964000 2.49e-03 3.96e-02 0.37400  
## 2373 -22.952 0.002690 9.91e-01 9.15e-01 0.12400  
## 2374 -8.456 0.489000 5.90e-01 0.00e+00 0.51500  
## 2375 -6.307 0.597000 6.85e-01 2.73e-04 0.96100  
## 2376 -13.645 0.322000 7.74e-01 0.00e+00 0.19400  
## 2377 -5.409 0.526000 5.64e-01 0.00e+00 0.12200  
## 2378 -3.368 0.782000 8.83e-06 2.50e-02 0.17300  
## 2379 -6.663 0.716000 6.24e-02 6.85e-04 0.33800  
## 2380 -6.366 0.563000 3.45e-01 0.00e+00 0.66800  
## 2381 -4.526 0.913000 1.88e-05 2.26e-06 0.59000  
## 2382 -12.405 0.154000 1.02e-01 6.92e-03 0.09490  
## 2383 -10.167 0.676000 1.51e-02 4.91e-03 0.45400  
## 2384 -5.709 0.628000 6.86e-03 0.00e+00 0.21800  
## 2385 -2.018 0.973000 7.41e-02 0.00e+00 0.92500  
## 2386 -10.661 0.643000 1.01e-03 9.18e-01 0.26200  
## 2387 -4.939 0.649000 1.70e-01 0.00e+00 0.45900  
## 2388 -4.705 0.713000 1.79e-01 0.00e+00 0.30100  
## 2389 -4.783 0.910000 3.21e-02 4.78e-04 0.77400  
## 2390 -11.729 0.722000 2.50e-01 1.29e-02 0.71600  
## 2391 -4.108 0.943000 1.75e-04 1.56e-04 0.33800  
## 2392 -9.155 0.318000 5.42e-01 9.30e-01 0.35300  
## 2393 -21.105 0.021500 9.67e-01 3.26e-02 0.08420  
## 2394 -11.088 0.350000 6.41e-01 0.00e+00 0.39900  
## 2395 -6.392 0.782000 7.03e-01 0.00e+00 0.80500  
## 2396 -23.074 0.131000 9.90e-01 9.37e-01 0.14300  
## 2397 -15.383 0.379000 6.76e-01 9.62e-01 0.06610  
## 2398 -17.777 0.194000 9.15e-01 9.20e-01 0.22100  
## 2399 -8.962 0.474000 6.70e-01 1.41e-05 0.18200  
## 2400 -8.985 0.653000 3.41e-01 1.02e-03 0.68500  
## 2401 -9.055 0.668000 4.25e-01 9.13e-01 0.67600  
## 2402 -4.632 0.945000 2.26e-04 5.60e-03 0.16900  
## 2403 -5.249 0.671000 3.44e-01 0.00e+00 0.79800  
## 2404 -19.810 0.083200 9.85e-01 8.78e-01 0.08010  
## 2405 -2.715 0.995000 1.89e-02 8.38e-01 0.45200  
## 2406 -1.020 0.946000 8.33e-02 0.00e+00 0.39000  
## 2407 -11.769 0.324000 4.57e-01 2.20e-06 0.26800  
## 2408 -9.927 0.580000 5.93e-01 4.41e-06 0.95400  
## 2409 -4.570 0.798000 2.84e-01 4.86e-06 0.76600  
## 2410 -16.805 0.183000 9.87e-01 8.99e-01 0.16000  
## 2411 -16.363 0.164000 6.12e-01 0.00e+00 0.42700  
## 2412 -4.736 0.928000 8.16e-05 0.00e+00 0.48100  
## 2413 -8.811 0.745000 3.58e-03 2.29e-05 0.29600  
## 2414 -9.908 0.384000 6.60e-01 0.00e+00 0.53100  
## 2415 -5.178 0.919000 7.73e-05 0.00e+00 0.74100  
## 2416 -7.096 0.794000 1.77e-01 6.89e-02 0.68200  
## 2417 -8.662 0.704000 2.40e-01 4.95e-06 0.74600  
## 2418 -9.043 0.295000 4.49e-01 2.79e-04 0.49000  
## 2419 -5.125 0.918000 4.59e-02 0.00e+00 0.79500  
## 2420 -7.208 0.839000 1.14e-04 9.04e-01 0.56100  
## 2421 -8.897 0.615000 6.89e-01 8.61e-01 0.30300  
## 2422 -19.400 0.240000 7.19e-01 9.17e-01 0.10700  
## 2423 -11.217 0.528000 3.78e-03 8.63e-01 0.08630  
## 2424 -8.576 0.404000 8.64e-01 1.75e-06 0.96800  
## 2425 -11.555 0.565000 3.52e-01 1.38e-05 0.96500  
## 2426 -14.200 0.891000 2.43e-01 7.86e-01 0.28600  
## 2427 -1.778 0.877000 2.65e-02 8.52e-03 0.73800  
## 2428 -5.703 0.910000 2.85e-02 1.98e-04 0.76700  
## 2429 -4.399 0.875000 1.32e-01 0.00e+00 0.67100  
## 2430 -16.398 0.381000 5.44e-01 3.49e-01 0.19800  
## 2431 -1.756 0.773000 2.36e-06 7.07e-01 0.04260  
## 2432 -6.154 0.731000 2.83e-01 2.42e-06 0.56100  
## 2433 -6.223 0.673000 4.46e-01 2.01e-02 0.20900  
## 2434 -12.745 0.457000 3.72e-02 8.97e-01 0.51600  
## 2435 -11.096 0.601000 7.17e-01 3.51e-03 0.84100  
## 2436 -3.633 0.915000 1.93e-03 7.93e-03 0.78900  
## 2437 -9.707 0.519000 1.85e-01 0.00e+00 0.20800  
## 2438 -5.457 0.507000 9.63e-01 1.81e-06 0.84900  
## 2439 -9.814 0.376000 4.16e-01 1.79e-04 0.34700  
## 2440 -6.128 0.554000 6.70e-01 1.52e-04 0.40700  
## 2441 -18.357 0.153000 7.77e-01 8.41e-01 0.10700  
## 2442 -4.280 0.995000 2.58e-02 9.04e-01 0.75800  
## 2443 -4.784 0.816000 2.26e-01 0.00e+00 0.61000  
## 2444 -15.652 0.314000 9.26e-01 9.12e-01 0.13500  
## 2445 -32.108 0.034900 9.67e-01 2.49e-01 0.02190  
## 2446 -4.587 0.774000 3.33e-01 0.00e+00 0.66300  
## 2447 -13.752 0.272000 7.42e-01 0.00e+00 0.60700  
## 2448 -3.567 0.929000 6.40e-04 3.25e-06 0.73000  
## 2449 -8.761 0.694000 3.17e-03 6.77e-02 0.86500  
## 2450 -6.483 0.550000 6.05e-01 3.96e-06 0.42900  
## 2451 -12.910 0.464000 4.25e-01 8.03e-01 0.31300  
## 2452 -2.769 0.910000 4.00e-02 0.00e+00 0.58800  
## 2453 -5.567 0.968000 1.30e-01 6.92e-03 0.83100  
## 2454 -10.047 0.574000 7.65e-01 0.00e+00 0.48800  
## 2455 -12.819 0.148000 8.15e-01 0.00e+00 0.24900  
## 2456 -6.681 0.755000 7.51e-01 0.00e+00 0.86400  
## 2457 -5.210 0.863000 2.50e-01 7.14e-01 0.46500  
## 2458 -6.639 0.513000 2.10e-01 1.67e-05 0.97800  
## 2459 -7.914 0.368000 7.39e-01 1.13e-06 0.50700  
## 2460 -8.036 0.680000 5.17e-02 0.00e+00 0.76800  
## 2461 -5.225 0.574000 2.24e-01 0.00e+00 0.17600  
## 2462 -2.600 0.974000 3.41e-03 0.00e+00 0.81700  
## 2463 -10.399 0.334000 7.80e-01 0.00e+00 0.33300  
## 2464 -12.126 0.232000 9.26e-01 3.57e-03 0.24500  
## 2465 -2.258 0.978000 1.26e-01 5.46e-04 0.31400  
## 2466 -18.571 0.393000 8.61e-01 0.00e+00 0.38100  
## 2467 -19.345 0.291000 8.34e-01 6.40e-01 0.31300  
## 2468 -5.205 0.869000 3.69e-01 0.00e+00 0.96300  
## 2469 -6.444 0.931000 1.15e-02 1.87e-03 0.81100  
## 2470 -13.274 0.299000 7.69e-01 0.00e+00 0.83900  
## 2471 -14.014 0.290000 9.14e-01 3.33e-05 0.45100  
## 2472 -9.538 0.408000 6.57e-01 1.88e-01 0.27600  
## 2473 -12.125 0.247000 9.21e-01 5.65e-03 0.36000  
## 2474 -12.332 0.257000 7.98e-01 5.93e-06 0.58500  
## 2475 -7.718 0.784000 3.37e-01 9.17e-01 0.31000  
## 2476 -5.365 0.734000 3.34e-02 0.00e+00 0.41300  
## 2477 -2.295 0.953000 5.25e-03 4.61e-06 0.82100  
## 2478 -13.365 0.653000 9.50e-01 8.84e-01 0.92100  
## 2479 -25.831 0.138000 9.63e-01 8.09e-01 0.17200  
## 2480 -10.002 0.734000 2.73e-01 0.00e+00 0.89700  
## 2481 -7.539 0.455000 8.63e-01 0.00e+00 0.46600  
## 2482 -4.912 0.423000 5.24e-01 0.00e+00 0.89700  
## 2483 -5.715 0.847000 1.77e-04 7.53e-01 0.53700  
## 2484 -6.195 0.430000 4.77e-01 8.80e-01 0.22700  
## 2485 -5.148 0.881000 8.88e-03 7.16e-03 0.17600  
## 2486 -16.744 0.465000 7.92e-01 9.76e-01 0.00001  
## 2487 -12.712 0.385000 9.07e-01 9.29e-01 0.13200  
## 2488 -7.472 0.579000 6.67e-01 5.79e-04 0.83900  
## 2489 -9.883 0.615000 1.05e-04 8.65e-01 0.34300  
## 2490 -12.582 0.672000 1.97e-01 9.36e-01 0.50500  
## 2491 -9.016 0.481000 6.97e-01 0.00e+00 0.29300  
## 2492 -10.228 0.553000 2.61e-01 1.03e-05 0.35100  
## 2493 -11.786 0.517000 8.51e-01 1.48e-01 0.16300  
## 2494 -12.772 0.351000 8.34e-01 1.27e-04 0.62500  
## 2495 -3.593 0.800000 2.55e-01 0.00e+00 0.42200  
## 2496 -4.170 0.882000 2.45e-01 0.00e+00 0.87800  
## 2497 -7.671 0.607000 1.27e-02 2.32e-05 0.53600  
## 2498 -8.730 0.499000 4.03e-01 3.22e-04 0.27800  
## 2499 -9.312 0.908000 2.43e-05 4.67e-05 0.40300  
## 2500 -9.333 0.532000 4.55e-01 2.34e-05 0.92600  
## 2501 -20.759 0.442000 5.07e-01 1.39e-02 0.70900  
## 2502 -22.070 0.127000 9.89e-01 9.24e-01 0.31800  
## 2503 -5.179 0.727000 3.87e-02 0.00e+00 0.38500  
## 2504 -6.663 0.613000 1.95e-01 2.63e-03 0.78800  
## 2505 -9.328 0.530000 6.46e-01 9.98e-05 0.52300  
## 2506 -13.003 0.261000 5.88e-01 3.91e-04 0.28200  
## 2507 -14.330 0.204000 9.68e-01 4.55e-01 0.03970  
## 2508 -9.341 0.896000 3.74e-04 7.17e-05 0.88200  
## 2509 -12.281 0.634000 2.25e-02 7.98e-01 0.14800  
## 2510 -11.094 0.499000 4.64e-01 6.52e-04 0.14200  
## 2511 -14.246 0.292000 1.34e-03 9.14e-01 0.13200  
## 2512 -11.543 0.431000 4.24e-01 8.52e-05 0.41400  
## 2513 -5.572 0.504000 3.88e-01 7.40e-05 0.55100  
## 2514 -8.638 0.590000 1.82e-03 3.79e-03 0.24300  
## 2515 -7.200 0.870000 4.69e-04 7.27e-03 0.60700  
## 2516 -4.214 0.989000 6.55e-04 4.87e-06 0.32700  
## 2517 -3.546 0.857000 9.99e-04 1.38e-03 0.23500  
## 2518 -13.905 0.835000 5.46e-02 5.82e-01 0.11400  
## 2519 -9.382 0.327000 6.04e-01 8.75e-05 0.54600  
## 2520 -11.953 0.384000 2.40e-02 4.34e-01 0.85200  
## 2521 -6.877 0.543000 2.97e-02 0.00e+00 0.30200  
## 2522 -21.041 0.151000 9.59e-01 6.78e-01 0.14300  
## 2523 -5.589 0.924000 2.28e-03 6.90e-01 0.20100  
## 2524 -8.965 0.702000 8.20e-01 4.25e-05 0.35100  
## 2525 -12.733 0.254000 8.27e-01 1.39e-04 0.12900  
## 2526 -7.256 0.597000 5.23e-01 0.00e+00 0.41400  
## 2527 -5.956 0.741000 2.14e-03 3.91e-06 0.94300  
## 2528 -3.958 0.770000 5.85e-02 1.46e-05 0.41100  
## 2529 -5.911 0.674000 2.07e-02 0.00e+00 0.75100  
## 2530 -24.469 0.144000 9.82e-01 9.54e-01 0.03510  
## 2531 -17.708 0.172000 9.62e-01 8.25e-01 0.25900  
## 2532 -7.550 0.451000 7.66e-01 1.52e-03 0.22900  
## 2533 -9.627 0.658000 1.94e-03 8.94e-01 0.20400  
## 2534 -6.859 0.746000 5.28e-03 3.34e-04 0.78800  
## 2535 -4.900 0.977000 4.08e-05 3.87e-03 0.45300  
## 2536 -8.954 0.531000 5.66e-01 0.00e+00 0.43300  
## 2537 -22.008 0.033100 9.94e-01 1.83e-02 0.31600  
## 2538 -6.557 0.835000 2.21e-03 4.03e-02 0.62100  
## 2539 -5.705 0.670000 2.79e-01 0.00e+00 0.67200  
## 2540 -12.873 0.640000 2.29e-03 7.66e-01 0.81000  
## 2541 -11.763 0.227000 8.66e-01 1.25e-05 0.28400  
## 2542 -6.568 0.911000 9.48e-05 1.51e-02 0.79400  
## 2543 -1.792 0.999000 2.51e-03 2.69e-05 0.09050  
## 2544 -19.406 0.275000 4.59e-01 8.34e-01 0.07560  
## 2545 -11.429 0.252000 9.51e-01 5.26e-02 0.23400  
## 2546 -6.646 0.653000 5.08e-01 0.00e+00 0.35500  
## 2547 -11.363 0.223000 8.66e-01 8.29e-03 0.32800  
## 2548 -28.838 0.485000 9.03e-01 9.58e-01 0.00212  
## 2549 -4.683 0.855000 6.73e-01 2.29e-05 0.85000  
## 2550 -15.099 0.470000 3.06e-01 0.00e+00 0.79000  
## 2551 -5.197 0.904000 4.29e-04 8.42e-02 0.34200  
## 2552 -24.642 0.167000 8.77e-01 9.67e-01 0.03930  
## 2553 -6.811 0.454000 4.50e-01 4.08e-05 0.46400  
## 2554 -3.860 0.927000 2.77e-03 0.00e+00 0.52900  
## 2555 -6.772 0.612000 3.82e-01 0.00e+00 0.84000  
## 2556 -7.366 0.522000 5.32e-01 0.00e+00 0.38900  
## 2557 -10.583 0.882000 1.66e-02 1.46e-06 0.75700  
## 2558 -12.027 0.267000 8.98e-01 3.15e-06 0.38300  
## 2559 -2.401 0.988000 1.13e-01 0.00e+00 0.51800  
## 2560 -4.957 0.900000 7.53e-02 3.68e-05 0.69400  
## 2561 -6.751 0.936000 1.71e-04 3.55e-01 0.94800  
## 2562 -11.237 0.446000 7.38e-01 0.00e+00 0.53800  
## 2563 -11.700 0.463000 5.76e-01 0.00e+00 0.87100  
## 2564 -5.900 0.666000 2.29e-03 0.00e+00 0.27700  
## 2565 -5.403 0.871000 1.97e-02 3.49e-06 0.53600  
## 2566 -7.557 0.846000 6.57e-01 0.00e+00 0.69300  
## 2567 -6.848 0.677000 1.41e-01 1.53e-03 0.60800  
## 2568 -7.168 0.588000 7.89e-01 0.00e+00 0.87900  
## 2569 -4.152 0.802000 1.55e-03 7.34e-05 0.59000  
## 2570 -11.725 0.355000 8.47e-01 9.42e-01 0.11800  
## 2571 -12.125 0.166000 7.57e-01 9.06e-06 0.20700  
## 2572 -5.625 0.692000 1.96e-03 3.75e-06 0.10300  
## 2573 -7.097 0.873000 5.18e-04 1.58e-04 0.25000  
## 2574 -6.019 0.635000 6.29e-03 0.00e+00 0.59400  
## 2575 -14.232 0.657000 1.60e-02 6.15e-01 0.03350  
## 2576 -4.388 0.756000 2.98e-02 0.00e+00 0.46900  
## 2577 -6.073 0.826000 5.81e-01 2.65e-06 0.96200  
## 2578 -11.925 0.244000 8.56e-01 1.65e-03 0.39500  
## 2579 -2.431 0.934000 5.61e-02 7.33e-06 0.74900  
## 2580 -6.952 0.333000 9.30e-01 3.52e-03 0.67900  
## 2581 -8.131 0.587000 3.30e-01 3.85e-06 0.90800  
## 2582 -5.402 0.762000 2.36e-01 1.79e-01 0.67400  
## 2583 -7.579 0.399000 3.07e-01 3.27e-04 0.47600  
## 2584 -8.713 0.795000 3.56e-02 1.12e-05 0.87700  
## 2585 -4.325 0.998000 8.00e-05 6.03e-01 0.02860  
## 2586 -3.459 0.926000 7.04e-02 0.00e+00 0.83200  
## 2587 -14.717 0.264000 9.80e-01 9.13e-01 0.11000  
## 2588 -12.659 0.417000 1.24e-02 7.21e-01 0.52700  
## 2589 -7.228 0.668000 4.27e-01 8.87e-01 0.31500  
## 2590 -8.066 0.790000 8.96e-04 8.90e-01 0.06140  
## 2591 -4.484 0.635000 1.61e-01 0.00e+00 0.23600  
## 2592 -5.464 0.797000 2.89e-02 4.35e-06 0.23200  
## 2593 -9.907 0.950000 7.61e-04 9.51e-01 0.80000  
## 2594 -6.326 0.378000 6.86e-01 2.41e-06 0.67400  
## 2595 -4.343 0.953000 1.64e-02 9.21e-01 0.55000  
## 2596 -9.549 0.585000 2.18e-01 9.78e-03 0.83100  
## 2597 -5.305 0.839000 1.09e-02 0.00e+00 0.88300  
## 2598 -4.293 0.631000 5.46e-01 2.05e-02 0.37400  
## 2599 -11.732 0.250000 5.72e-01 0.00e+00 0.10000  
## 2600 -8.767 0.500000 3.55e-01 2.69e-06 0.61900  
## 2601 -6.404 0.709000 2.96e-01 0.00e+00 0.31400  
## 2602 -6.425 0.887000 7.94e-01 0.00e+00 0.34000  
## 2603 -14.120 0.183000 8.23e-01 4.38e-05 0.60200  
## 2604 -22.827 0.013500 1.21e-05 6.31e-01 0.00001  
## 2605 -4.678 0.850000 2.46e-04 1.40e-02 0.21100  
## 2606 -4.086 0.643000 5.69e-01 0.00e+00 0.72200  
## 2607 -28.071 0.083000 8.31e-01 8.17e-01 0.03620  
## 2608 -10.021 0.424000 7.81e-01 9.31e-03 0.28400  
## 2609 -8.886 0.548000 8.10e-01 1.93e-02 0.62200  
## 2610 -8.066 0.328000 9.69e-01 0.00e+00 0.89600  
## 2611 -10.491 0.289000 1.40e-01 0.00e+00 0.24600  
## 2612 -10.953 0.255000 4.24e-01 0.00e+00 0.62900  
## 2613 -9.068 0.597000 3.03e-02 1.34e-04 0.26200  
## 2614 -11.615 0.306000 3.87e-01 0.00e+00 0.96300  
## 2615 -3.689 0.869000 2.45e-04 4.88e-01 0.27400  
## 2616 -9.265 0.331000 8.22e-01 6.95e-04 0.11300  
## 2617 -13.836 0.919000 1.43e-04 7.09e-01 0.33200  
## 2618 -16.347 0.373000 7.87e-01 9.80e-01 0.03300  
## 2619 -7.698 0.819000 4.84e-04 4.12e-02 0.59800  
## 2620 -22.991 0.072200 9.05e-01 7.05e-01 0.06080  
## 2621 -9.121 0.606000 7.18e-01 2.04e-03 0.61500  
## 2622 -3.056 0.407000 7.18e-01 0.00e+00 0.14100  
## 2623 -7.173 0.618000 4.81e-02 0.00e+00 0.30100  
## 2624 -6.538 0.902000 5.66e-04 7.12e-01 0.27800  
## 2625 -8.065 0.863000 6.54e-04 1.06e-03 0.29000  
## 2626 -6.496 0.497000 7.83e-01 0.00e+00 0.20700  
## 2627 -17.432 0.124000 9.30e-01 2.05e-06 0.19200  
## 2628 -20.238 0.109000 9.81e-01 8.58e-01 0.05170  
## 2629 -13.248 0.536000 5.29e-02 4.65e-04 0.84600  
## 2630 -11.312 0.324000 4.66e-01 6.92e-01 0.19900  
## 2631 -5.518 0.944000 2.74e-01 0.00e+00 0.68100  
## 2632 -6.132 0.572000 1.04e-01 0.00e+00 0.75200  
## 2633 -11.368 0.405000 7.06e-01 0.00e+00 0.70600  
## 2634 -3.646 0.697000 1.33e-01 8.18e-01 0.29000  
## 2635 -4.480 0.880000 9.52e-02 8.72e-01 0.25000  
## 2636 -6.650 0.935000 1.41e-05 8.76e-01 0.93300  
## 2637 -13.020 0.509000 1.04e-02 8.60e-01 0.34100  
## 2638 -26.440 0.029900 9.91e-01 9.17e-01 0.17100  
## 2639 -10.127 0.535000 1.50e-04 7.10e-01 0.56600  
## 2640 -7.224 0.619000 7.82e-01 0.00e+00 0.96100  
## 2641 -3.231 0.877000 3.45e-01 0.00e+00 0.89400  
## 2642 -5.206 0.826000 5.20e-03 1.11e-05 0.46200  
## 2643 -8.921 0.543000 8.38e-01 3.86e-06 0.31600  
## 2644 -14.857 0.233000 3.97e-01 0.00e+00 0.35000  
## 2645 -14.752 0.255000 6.60e-01 4.59e-01 0.03710  
## 2646 -7.822 0.736000 2.89e-01 0.00e+00 0.69300  
## 2647 -6.675 0.430000 9.48e-01 4.11e-06 0.33000  
## 2648 -23.231 0.107000 7.95e-01 8.54e-01 0.12800  
## 2649 -13.435 0.107000 8.86e-01 0.00e+00 0.43300  
## 2650 -9.239 0.523000 1.37e-01 0.00e+00 0.88100  
## 2651 -18.812 0.112000 9.52e-01 9.09e-01 0.19600  
## 2652 -6.012 0.783000 1.31e-01 4.16e-05 0.70300  
## 2653 -5.004 0.680000 7.17e-01 0.00e+00 0.43300  
## 2654 -3.740 0.855000 5.25e-05 4.68e-02 0.20200  
## 2655 -20.759 0.093800 9.30e-01 8.90e-01 0.03420  
## 2656 -14.308 0.190000 7.84e-01 2.68e-05 0.44800  
## 2657 -4.376 0.590000 3.10e-03 4.80e-05 0.47100  
## 2658 -5.376 0.572000 1.64e-02 0.00e+00 0.41400  
## 2659 -7.934 0.894000 9.80e-05 7.77e-01 0.09540  
## 2660 -31.024 0.012600 9.66e-01 8.50e-01 0.06800  
## 2661 -6.200 0.726000 1.01e-01 8.41e-05 0.83200  
## 2662 -15.762 0.192000 9.47e-01 0.00e+00 0.41800  
## 2663 -4.425 0.998000 2.60e-05 6.82e-03 0.03800  
## 2664 -3.838 0.889000 3.12e-01 8.00e-01 0.59200  
## 2665 -9.694 0.206000 6.73e-01 0.00e+00 0.35400  
## 2666 -10.442 0.559000 1.64e-04 6.94e-01 0.46600  
## 2667 -6.537 0.920000 7.33e-04 3.85e-06 0.43600  
## 2668 -9.916 0.661000 6.10e-01 7.26e-01 0.20500  
## 2669 -6.345 0.538000 6.11e-02 2.32e-05 0.91800  
## 2670 -3.456 0.949000 9.46e-02 5.88e-04 0.77300  
## 2671 -6.693 0.899000 1.56e-01 8.92e-01 0.72100  
## 2672 -9.891 0.354000 7.09e-02 8.63e-01 0.58300  
## 2673 -6.649 0.458000 3.43e-03 1.58e-01 0.06470  
## 2674 -1.759 0.986000 1.24e-03 6.41e-05 0.25000  
## 2675 -12.782 0.265000 2.96e-01 8.65e-02 0.27300  
## 2676 -4.399 0.852000 9.34e-02 1.98e-03 0.88000  
## 2677 -6.328 0.673000 9.08e-02 2.93e-06 0.59900  
## 2678 -6.113 0.731000 5.26e-01 1.50e-03 0.74600  
## 2679 -6.632 0.803000 7.45e-02 1.16e-06 0.33900  
## 2680 -9.150 0.512000 1.55e-01 4.65e-05 0.73000  
## 2681 -20.010 0.154000 9.75e-01 8.24e-01 0.14900  
## 2682 -3.991 0.968000 9.16e-06 7.57e-01 0.35400  
## 2683 -6.592 0.854000 6.59e-01 0.00e+00 0.63600  
## 2684 -29.284 0.027500 9.87e-01 8.83e-01 0.12000  
## 2685 -12.040 0.366000 6.76e-01 1.10e-04 0.92900  
## 2686 -5.009 0.880000 4.65e-01 1.63e-05 0.89500  
## 2687 -6.297 0.628000 5.02e-03 2.02e-05 0.55100  
## 2688 -5.426 0.716000 4.36e-01 0.00e+00 0.42600  
## 2689 -11.683 0.217000 7.70e-01 1.62e-04 0.29100  
## 2690 -7.731 0.351000 6.39e-01 6.56e-01 0.45900  
## 2691 -4.407 0.481000 4.91e-01 0.00e+00 0.20800  
## 2692 -4.058 0.942000 1.60e-03 4.32e-06 0.30100  
## 2693 -4.787 0.873000 8.72e-03 0.00e+00 0.70500  
## 2694 -23.264 0.054900 9.32e-01 5.94e-03 0.13600  
## 2695 -16.744 0.124000 9.95e-01 8.67e-02 0.45200  
## 2696 -4.014 0.553000 4.27e-01 0.00e+00 0.42800  
## 2697 -11.419 0.494000 3.10e-01 0.00e+00 0.81600  
## 2698 -7.804 0.326000 9.95e-01 2.25e-01 0.28000  
## 2699 -8.223 0.550000 3.15e-01 5.02e-04 0.17700  
## 2700 -4.345 0.726000 3.72e-01 7.44e-04 0.52700  
## 2701 -9.130 0.727000 5.78e-04 8.67e-01 0.25600  
## 2702 -4.028 0.812000 7.37e-01 1.20e-06 0.79800  
## 2703 -14.930 0.350000 7.98e-01 0.00e+00 0.68500  
## 2704 -9.046 0.541000 2.80e-02 9.37e-04 0.31700  
## 2705 -4.971 0.777000 1.81e-01 0.00e+00 0.92300  
## 2706 -10.072 0.430000 4.55e-01 0.00e+00 0.56400  
## 2707 -10.272 0.357000 4.27e-01 0.00e+00 0.22000  
## 2708 -5.411 0.477000 9.87e-01 3.73e-05 0.56900  
## 2709 -12.976 0.192000 8.83e-01 0.00e+00 0.40600  
## 2710 -8.257 0.825000 2.05e-01 9.33e-02 0.03660  
## 2711 -13.121 0.487000 5.23e-01 0.00e+00 0.52400  
## 2712 -9.450 0.858000 1.14e-01 9.23e-02 0.87200  
## 2713 -6.718 0.867000 2.25e-03 5.35e-01 0.57300  
## 2714 -4.402 0.814000 7.22e-04 4.32e-01 0.32900  
## 2715 -4.022 0.757000 7.89e-02 0.00e+00 0.62500  
## 2716 -11.880 0.365000 9.41e-01 7.27e-05 0.84300  
## 2717 -4.640 0.901000 7.01e-04 2.79e-05 0.57100  
## 2718 -9.643 0.288000 8.33e-01 2.52e-06 0.21800  
## 2719 -8.383 0.475000 8.86e-01 0.00e+00 0.34400  
## 2720 -6.240 0.890000 6.47e-02 0.00e+00 0.45600  
## 2721 -9.173 0.579000 7.68e-01 0.00e+00 0.54900  
## 2722 -3.391 0.951000 2.47e-03 0.00e+00 0.58100  
## 2723 -6.451 0.681000 6.45e-02 0.00e+00 0.18500  
## 2724 -3.539 0.906000 4.24e-03 0.00e+00 0.76300  
## 2725 -3.985 0.709000 3.48e-03 0.00e+00 0.53400  
## 2726 -11.987 0.148000 9.23e-01 0.00e+00 0.22400  
## 2727 -16.324 0.093900 9.92e-01 8.59e-01 0.13400  
## 2728 -5.423 0.745000 4.02e-01 0.00e+00 0.90300  
## 2729 -9.461 0.521000 6.78e-02 1.49e-01 0.33700  
## 2730 -4.181 0.899000 1.43e-02 3.59e-05 0.87000  
## 2731 -15.577 0.293000 9.83e-01 6.76e-03 0.69100  
## 2732 -12.815 0.864000 1.06e-03 9.10e-01 0.35000  
## 2733 -4.950 0.701000 5.08e-01 3.77e-02 0.56600  
## 2734 -6.668 0.358000 8.04e-01 0.00e+00 0.38500  
## 2735 -9.921 0.373000 3.41e-01 5.25e-01 0.55400  
## 2736 -10.352 0.418000 7.41e-01 0.00e+00 0.80800  
## 2737 -6.131 0.979000 1.08e-03 2.63e-05 0.69200  
## 2738 -4.734 0.823000 7.30e-03 1.82e-05 0.55300  
## 2739 -10.407 0.573000 8.50e-01 6.81e-04 0.55800  
## 2740 -6.114 0.756000 2.72e-02 9.33e-06 0.13600  
## 2741 -5.894 0.801000 1.19e-03 5.13e-01 0.40800  
## 2742 -8.980 0.517000 2.82e-01 2.04e-05 0.33400  
## 2743 -5.630 0.977000 9.78e-05 6.94e-01 0.08190  
## 2744 -9.428 0.316000 7.64e-01 0.00e+00 0.25800  
## 2745 -11.261 0.295000 9.83e-01 0.00e+00 0.60700  
## 2746 -2.810 0.807000 4.95e-02 1.77e-02 0.39800  
## 2747 -7.102 0.643000 5.49e-01 0.00e+00 0.80000  
## 2748 -22.457 0.040100 4.41e-01 8.44e-01 0.03510  
## 2749 -6.302 0.665000 1.24e-01 1.55e-04 0.59700  
## 2750 -16.974 0.340000 9.86e-01 8.74e-01 0.11000  
## 2751 -13.153 0.230000 8.10e-01 0.00e+00 0.26700  
## 2752 -4.436 0.872000 3.05e-01 0.00e+00 0.83100  
## 2753 -16.930 0.313000 5.49e-01 8.82e-01 0.04160  
## 2754 -6.411 0.410000 5.13e-01 0.00e+00 0.48300  
## 2755 -5.946 0.888000 2.39e-04 7.08e-03 0.19100  
## 2756 -9.859 0.455000 2.16e-01 1.20e-04 0.45600  
## 2757 -3.768 0.934000 1.01e-02 1.32e-05 0.54000  
## 2758 -4.773 0.781000 3.60e-03 0.00e+00 0.28900  
## 2759 -8.174 0.476000 6.65e-01 2.73e-03 0.64500  
## 2760 -9.892 0.338000 1.34e-01 1.84e-03 0.68900  
## 2761 -14.134 0.321000 8.18e-01 4.67e-05 0.46000  
## 2762 -7.993 0.668000 7.38e-01 0.00e+00 0.72000  
## 2763 -6.471 0.757000 1.47e-01 0.00e+00 0.71200  
## 2764 -4.601 0.653000 4.63e-03 1.27e-06 0.35000  
## 2765 -14.760 0.290000 6.11e-01 9.11e-01 0.03940  
## 2766 -8.660 0.696000 6.54e-01 0.00e+00 0.74900  
## 2767 -9.584 0.770000 5.07e-01 9.47e-01 0.36100  
## 2768 -3.067 0.974000 1.78e-01 7.26e-03 0.87800  
## 2769 -7.843 0.549000 7.98e-04 4.85e-03 0.53100  
## 2770 -7.613 0.558000 7.19e-01 0.00e+00 0.85000  
## 2771 -6.256 0.739000 4.28e-03 3.65e-06 0.42900  
## 2772 -14.969 0.606000 3.98e-03 9.19e-02 0.53100  
## 2773 -8.002 0.770000 7.20e-01 0.00e+00 0.86400  
## 2774 -5.549 0.715000 3.86e-01 0.00e+00 0.86600  
## 2775 -23.789 0.063000 9.04e-01 8.99e-01 0.03820  
## 2776 -9.571 0.998000 4.74e-02 1.24e-01 0.32300  
## 2777 -11.734 0.369000 9.06e-01 3.05e-01 0.58400  
## 2778 -4.641 0.907000 1.15e-03 0.00e+00 0.33700  
## 2779 -9.203 0.640000 6.24e-01 0.00e+00 0.63900  
## 2780 -7.635 0.483000 6.80e-01 8.05e-01 0.10400  
## 2781 -7.373 0.525000 1.40e-01 0.00e+00 0.68600  
## 2782 -5.981 0.636000 9.45e-05 5.29e-02 0.14700  
## 2783 -4.656 0.898000 3.04e-01 1.90e-04 0.71200  
## 2784 -6.060 0.954000 4.83e-04 5.24e-01 0.84100  
## 2785 -13.527 0.454000 4.26e-01 0.00e+00 0.93300  
## 2786 -7.159 0.789000 1.01e-01 0.00e+00 0.54900  
## 2787 -6.849 0.668000 2.12e-01 6.15e-02 0.84200  
## 2788 -18.415 0.179000 9.10e-01 0.00e+00 0.56600  
## 2789 -12.077 0.511000 5.11e-01 4.13e-01 0.65200  
## 2790 -9.469 0.402000 9.42e-01 9.15e-01 0.25000  
## 2791 -9.126 0.798000 8.41e-04 2.74e-01 0.27500  
## 2792 -22.858 0.112000 9.22e-01 6.48e-01 0.03840  
## 2793 -7.457 0.299000 5.02e-01 0.00e+00 0.13700  
## 2794 -7.097 0.914000 1.99e-01 1.80e-04 0.61900  
## 2795 -2.497 0.747000 3.90e-01 0.00e+00 0.96200  
## 2796 -8.025 0.350000 7.50e-01 0.00e+00 0.12600  
## 2797 -16.167 0.332000 4.79e-01 5.03e-03 0.14400  
## 2798 -6.873 0.418000 8.47e-01 1.43e-06 0.68600  
## 2799 -5.090 0.733000 8.78e-03 9.01e-06 0.74100  
## 2800 -4.273 0.688000 1.21e-01 0.00e+00 0.50600  
## 2801 -6.100 0.953000 1.09e-05 4.85e-03 0.75200  
## 2802 -12.274 0.621000 2.97e-01 2.50e-05 0.64200  
## 2803 -2.437 0.955000 6.70e-01 1.29e-06 0.78900  
## 2804 -7.877 0.235000 3.21e-02 8.20e-01 0.06180  
## 2805 -6.404 0.671000 2.99e-01 0.00e+00 0.45100  
## 2806 -11.012 0.351000 7.09e-01 8.61e-05 0.79600  
## 2807 -7.638 0.656000 8.03e-03 0.00e+00 0.32300  
## 2808 -8.091 0.621000 8.62e-02 1.52e-01 0.39700  
## 2809 -12.309 0.525000 5.19e-01 1.18e-01 0.03850  
## 2810 -11.149 0.432000 9.33e-01 8.03e-01 0.39500  
## 2811 -3.496 0.961000 6.46e-03 0.00e+00 0.42700  
## 2812 -4.287 0.993000 1.40e-04 1.84e-02 0.04980  
## 2813 -8.348 0.596000 1.01e-02 0.00e+00 0.78300  
## 2814 -6.760 0.595000 8.00e-01 0.00e+00 0.70400  
## 2815 -9.119 0.482000 1.87e-01 4.04e-02 0.77600  
## 2816 -4.918 0.862000 1.16e-01 6.49e-06 0.61000  
## 2817 -5.573 0.666000 5.65e-04 1.86e-04 0.23900  
## 2818 -8.419 0.406000 1.95e-01 0.00e+00 0.19700  
## 2819 -8.790 0.839000 5.34e-02 7.06e-02 0.21900  
## 2820 -7.658 0.899000 8.50e-05 9.04e-01 0.09800  
## 2821 -4.650 0.904000 9.20e-02 2.56e-02 0.67000  
## 2822 -5.498 0.854000 3.23e-04 5.55e-01 0.91800  
## 2823 -6.007 0.861000 7.61e-05 8.98e-01 0.36100  
## 2824 -15.544 0.158000 9.76e-01 4.98e-01 0.68500  
## 2825 -3.851 0.816000 1.82e-01 0.00e+00 0.73500  
## 2826 -6.433 0.821000 7.86e-01 0.00e+00 0.57600  
## 2827 -5.850 0.962000 1.45e-05 4.73e-02 0.22300  
## 2828 -4.399 0.966000 1.04e-06 1.49e-01 0.19100  
## 2829 -6.868 0.760000 3.11e-01 6.03e-05 0.88700  
## 2830 -22.194 0.203000 9.86e-01 9.15e-01 0.27400  
## 2831 -5.250 0.604000 5.63e-01 1.08e-03 0.82000  
## 2832 -4.326 0.783000 7.68e-02 0.00e+00 0.65500  
## 2833 -5.249 0.967000 3.26e-06 5.11e-03 0.46600  
## 2834 -5.217 0.470000 2.91e-01 0.00e+00 0.63600  
## 2835 -14.320 0.224000 8.84e-01 1.15e-06 0.63600  
## 2836 -6.888 0.736000 4.21e-02 5.03e-05 0.73900  
## 2837 -4.166 0.581000 5.76e-01 4.59e-05 0.59700  
## 2838 -13.704 0.227000 8.91e-01 1.11e-05 0.43100  
## 2839 -9.477 0.306000 8.57e-01 0.00e+00 0.31500  
## 2840 -4.364 0.997000 4.63e-04 3.95e-05 0.13000  
## 2841 -7.288 0.659000 8.13e-01 0.00e+00 0.87600  
## 2842 -4.426 0.825000 1.57e-02 0.00e+00 0.97000  
## 2843 -8.536 0.696000 3.08e-01 1.02e-06 0.94800  
## 2844 -7.504 0.862000 1.25e-02 2.36e-04 0.23400  
## 2845 -13.599 0.187000 9.07e-01 0.00e+00 0.48400  
## 2846 -18.900 0.999000 4.74e-01 9.88e-01 0.00001  
## 2847 -3.963 0.813000 1.94e-05 2.20e-02 0.22800  
## 2848 -5.218 0.942000 4.85e-05 2.24e-03 0.47000  
## 2849 -7.499 0.770000 2.38e-02 6.83e-05 0.88300  
## 2850 -9.552 0.499000 6.03e-01 0.00e+00 0.21700  
## 2851 -7.565 0.795000 6.20e-01 0.00e+00 0.69100  
## 2852 -11.896 0.305000 4.76e-01 0.00e+00 0.52000  
## 2853 -8.803 0.787000 7.93e-02 6.48e-02 0.38300  
## 2854 -11.272 0.446000 7.19e-01 9.18e-01 0.65600  
## 2855 -5.806 0.596000 7.05e-01 0.00e+00 0.56300  
## 2856 -25.095 0.068100 9.90e-01 9.16e-01 0.07210  
## 2857 -5.825 0.974000 1.50e-05 3.53e-04 0.49100  
## 2858 -32.014 0.636000 7.84e-01 1.00e+00 0.00782  
## 2859 -5.142 0.843000 9.02e-01 0.00e+00 0.56000  
## 2860 -11.147 0.534000 5.69e-01 0.00e+00 0.94300  
## 2861 -15.055 0.502000 7.19e-02 7.55e-01 0.59800  
## 2862 -11.362 0.303000 2.38e-01 8.09e-06 0.15000  
## 2863 -6.318 0.872000 2.87e-03 4.25e-02 0.93700  
## 2864 -13.404 0.229000 1.24e-01 8.55e-01 0.51400  
## 2865 -2.252 0.947000 2.61e-03 0.00e+00 0.47400  
## 2866 -4.586 0.929000 1.98e-03 8.79e-06 0.30000  
## 2867 -14.334 0.518000 2.23e-01 8.58e-01 0.16400  
## 2868 -3.627 0.935000 1.43e-01 2.01e-06 0.70300  
## 2869 -4.849 0.559000 1.28e-01 0.00e+00 0.27800  
## 2870 -26.925 0.047200 9.86e-01 7.90e-01 0.40100  
## 2871 -6.424 0.741000 9.89e-04 2.37e-03 0.12900  
## 2872 -12.109 0.481000 1.87e-01 9.95e-01 0.22600  
## 2873 -8.945 0.554000 2.34e-01 5.16e-05 0.49100  
## 2874 -16.293 0.174000 9.55e-01 9.22e-01 0.03990  
## 2875 -8.517 0.442000 3.34e-01 4.24e-04 0.09040  
## 2876 -5.835 0.973000 1.69e-04 1.98e-02 0.15200  
## 2877 -8.492 0.584000 6.94e-01 8.79e-01 0.33900  
## 2878 -6.223 0.764000 7.17e-02 0.00e+00 0.37600  
## 2879 -16.224 0.085400 9.22e-01 0.00e+00 0.20300  
## 2880 -8.251 0.575000 6.25e-01 5.87e-06 0.35700  
## 2881 -7.344 0.758000 6.13e-03 1.08e-05 0.91800  
## 2882 -2.208 0.974000 8.57e-03 2.92e-05 0.75600  
## 2883 -4.806 0.838000 4.91e-03 0.00e+00 0.52600  
## 2884 -14.046 0.251000 8.77e-01 8.97e-01 0.03750  
## 2885 -18.670 0.228000 9.16e-01 7.33e-01 0.08600  
## 2886 -9.696 0.614000 1.21e-01 9.16e-01 0.36500  
## 2887 -3.412 0.995000 1.11e-05 1.61e-03 0.34200  
## 2888 -6.238 0.520000 5.59e-01 6.10e-04 0.45800  
## 2889 -5.017 0.932000 1.05e-03 1.14e-01 0.58600  
## 2890 -6.886 0.406000 4.07e-01 0.00e+00 0.13500  
## 2891 -7.181 0.569000 6.01e-01 2.43e-04 0.68300  
## 2892 -6.796 0.510000 2.24e-02 7.07e-01 0.20900  
## 2893 -8.440 0.388000 5.35e-01 0.00e+00 0.15800  
## 2894 -3.942 0.909000 2.77e-03 1.00e-06 0.16700  
## 2895 -10.205 0.369000 3.88e-02 8.30e-01 0.66100  
## 2896 -12.533 0.512000 3.00e-01 8.51e-04 0.26300  
## 2897 -5.811 0.830000 8.82e-02 0.00e+00 0.48000  
## 2898 -2.516 0.788000 4.42e-01 0.00e+00 0.36000  
## 2899 -10.246 0.844000 2.32e-01 8.57e-01 0.14200  
## 2900 -4.571 0.908000 6.50e-04 3.56e-05 0.63200  
## 2901 -6.138 0.814000 6.13e-01 0.00e+00 0.77400  
## 2902 -14.164 0.644000 7.38e-01 0.00e+00 0.46400  
## 2903 -5.909 0.748000 3.93e-01 0.00e+00 0.55800  
## 2904 -8.454 0.527000 2.32e-01 0.00e+00 0.65900  
## 2905 -22.377 0.124000 9.92e-01 8.79e-01 0.12300  
## 2906 -24.473 0.054900 9.84e-01 9.33e-01 0.17600  
## 2907 -6.014 0.739000 7.14e-01 0.00e+00 0.94200  
## 2908 -7.218 0.670000 5.65e-03 6.76e-03 0.72500  
## 2909 -7.105 0.811000 7.07e-01 0.00e+00 0.89700  
## 2910 -3.463 0.977000 2.37e-03 0.00e+00 0.41300  
## 2911 -16.699 0.468000 4.75e-02 9.25e-01 0.87300  
## 2912 -7.627 0.221000 9.94e-01 2.72e-02 0.43800  
## 2913 -3.422 0.956000 2.95e-05 8.51e-01 0.44600  
## 2914 -8.595 0.637000 2.15e-01 1.16e-01 0.42600  
## 2915 -4.516 0.978000 6.61e-06 8.68e-04 0.33400  
## 2916 -12.985 0.226000 7.18e-01 0.00e+00 0.08450  
## 2917 -4.756 0.984000 2.78e-05 5.71e-03 0.03980  
## 2918 -11.488 0.196000 8.03e-01 0.00e+00 0.16900  
## 2919 -30.401 0.143000 3.93e-01 3.79e-02 0.03660  
## 2920 -7.603 0.335000 4.61e-01 0.00e+00 0.96100  
## 2921 -7.208 0.548000 5.10e-01 1.36e-01 0.41500  
## 2922 -5.107 0.683000 6.32e-01 0.00e+00 0.77800  
## 2923 -6.776 0.596000 8.13e-02 1.71e-04 0.68200  
## 2924 -7.884 0.504000 3.50e-01 0.00e+00 0.87000  
## 2925 -2.042 0.988000 2.64e-05 7.86e-05 0.76900  
## 2926 -11.803 0.601000 6.27e-01 1.03e-05 0.83100  
## 2927 -5.033 0.977000 3.12e-05 4.38e-06 0.17200  
## 2928 -5.946 0.731000 5.17e-01 1.79e-01 0.15200  
## 2929 -4.103 0.905000 2.89e-04 1.10e-04 0.23600  
## 2930 -9.575 0.292000 8.55e-01 2.52e-06 0.57600  
## 2931 -4.818 0.708000 2.04e-02 4.08e-05 0.40500  
## 2932 -3.904 0.890000 2.20e-02 5.32e-05 0.80600  
## 2933 -14.393 0.106000 9.81e-01 0.00e+00 0.63300  
## 2934 -11.887 0.291000 6.87e-01 1.53e-05 0.66000  
## 2935 -7.139 0.955000 4.18e-01 0.00e+00 0.92300  
## 2936 -13.874 0.294000 9.40e-01 9.28e-01 0.46200  
## 2937 -10.691 0.576000 8.98e-01 4.17e-02 0.35400  
## 2938 -21.407 0.945000 1.37e-01 9.93e-01 0.00001  
## 2939 -3.648 0.680000 5.24e-01 3.35e-04 0.52400  
## 2940 -8.215 0.434000 1.61e-01 0.00e+00 0.27200  
## 2941 -4.348 0.970000 4.42e-03 2.70e-02 0.55100  
## 2942 -6.975 0.606000 5.64e-01 7.60e-05 0.77900  
## 2943 -10.565 0.449000 3.83e-01 1.82e-02 0.69900  
## 2944 -16.889 0.398000 7.95e-01 9.79e-01 0.00000  
## 2945 -10.675 0.270000 7.86e-01 1.53e-04 0.74800  
## 2946 -5.615 0.590000 2.42e-01 0.00e+00 0.41100  
## 2947 -5.496 0.996000 1.19e-04 5.89e-02 0.44200  
## 2948 -6.189 0.869000 4.48e-03 8.43e-02 0.19900  
## 2949 -9.886 0.383000 6.42e-01 0.00e+00 0.94800  
## 2950 -6.161 0.820000 4.03e-02 0.00e+00 0.92100  
## 2951 -16.097 0.186000 5.55e-01 9.28e-03 0.19300  
## 2952 -13.294 0.606000 7.32e-02 7.43e-01 0.07680  
## 2953 -12.628 0.209000 9.15e-01 0.00e+00 0.32300  
## 2954 -10.073 0.414000 6.71e-01 9.01e-01 0.27100  
## 2955 -11.587 0.647000 2.27e-01 8.25e-01 0.28900  
## 2956 -12.998 0.690000 6.31e-01 8.97e-01 0.03980  
## 2957 -9.276 0.392000 7.20e-01 8.80e-01 0.64000  
## 2958 -12.837 0.418000 1.07e-01 9.17e-01 0.03750  
## 2959 -12.660 0.676000 2.32e-02 3.81e-01 0.17100  
## 2960 -3.055 0.944000 4.33e-01 1.73e-06 0.91700  
## 2961 -5.408 0.958000 6.09e-03 1.06e-03 0.40300  
## 2962 -8.450 0.496000 7.19e-01 0.00e+00 0.57100  
## 2963 -24.109 0.154000 9.88e-01 9.05e-01 0.28600  
## 2964 -6.777 0.798000 5.79e-02 0.00e+00 0.71400  
## 2965 -5.218 0.759000 1.53e-01 1.08e-04 0.43500  
## 2966 -4.521 0.829000 3.81e-03 0.00e+00 0.86800  
## 2967 -5.615 0.678000 5.32e-01 0.00e+00 0.71800  
## 2968 -4.460 0.899000 5.53e-01 0.00e+00 0.88200  
## 2969 -4.310 0.863000 6.26e-02 0.00e+00 0.67600  
## 2970 -5.163 0.858000 1.75e-02 0.00e+00 0.87600  
## 2971 -3.219 0.990000 1.92e-04 5.54e-05 0.66300  
## 2972 -11.489 0.739000 2.11e-01 3.48e-01 0.69500  
## 2973 -5.728 0.681000 3.12e-01 0.00e+00 0.67500  
## 2974 -8.276 0.704000 1.13e-03 6.96e-01 0.39100  
## 2975 -8.042 0.652000 3.79e-04 8.81e-01 0.12100  
## 2976 -8.364 0.611000 3.42e-02 1.08e-04 0.13800  
## 2977 -5.171 0.557000 6.87e-02 8.05e-01 0.53600  
## 2978 -2.185 0.775000 9.93e-03 1.85e-03 0.42200  
## 2979 -12.028 0.242000 9.64e-01 7.88e-03 0.40600  
## 2980 -7.518 0.418000 9.02e-01 0.00e+00 0.79100  
## 2981 -11.139 0.855000 1.90e-06 8.70e-01 0.27900  
## 2982 -6.805 0.636000 4.97e-01 0.00e+00 0.54800  
## 2983 -8.765 0.444000 3.43e-04 1.81e-03 0.40600  
## 2984 -4.592 0.987000 1.33e-04 8.13e-03 0.11600  
## 2985 -14.114 0.634000 8.38e-01 9.04e-01 0.73500  
## 2986 -5.085 0.587000 2.54e-01 4.42e-06 0.35700  
## 2987 -3.953 0.904000 2.44e-04 1.75e-06 0.38000  
## 2988 -12.555 0.336000 9.26e-01 0.00e+00 0.77400  
## 2989 -9.023 0.505000 7.58e-01 1.44e-06 0.98000  
## 2990 -6.364 0.597000 3.42e-01 0.00e+00 0.33100  
## 2991 -13.188 0.900000 2.49e-05 8.22e-01 0.55500  
## 2992 -23.964 0.077500 9.96e-01 9.33e-01 0.29000  
## 2993 -10.120 0.518000 2.67e-02 9.36e-03 0.30700  
## 2994 -8.983 0.858000 1.36e-01 7.72e-01 0.11800  
## 2995 -7.255 0.818000 1.17e-01 6.54e-01 0.11500  
## 2996 -13.426 0.896000 1.40e-02 8.88e-01 0.36000  
## 2997 -6.065 0.666000 1.58e-02 2.59e-05 0.64800  
## 2998 -13.622 0.491000 3.92e-01 1.30e-05 0.92200  
## 2999 -8.131 0.338000 9.88e-01 2.23e-03 0.57600  
## 3000 -18.650 0.084100 9.85e-01 9.43e-01 0.07130

dim(dcon)

## [1] 3000 5

## K-means Clustering

Using K-means clustering, we ran and test using different number of classes/groups. As of the moment, we do not have knowledge to how many classes we decide on so we test different number of classes/groups.

Let’s try 5 classes.

k1 <- kmeans(dcon, 5)  
names(dcon)

## [1] "loudness" "energy" "acousticness" "instrumentalness"  
## [5] "valence"

print(k1)

## K-means clustering with 5 clusters of sizes 268, 1000, 133, 970, 629  
##   
## Cluster means:  
## loudness energy acousticness instrumentalness valence  
## 1 -16.653843 0.2919045 0.6755804 0.45942345 0.3105297  
## 2 -4.325700 0.8448720 0.1457188 0.07555445 0.5265169  
## 3 -25.251895 0.1616488 0.8050250 0.74687103 0.1621206  
## 4 -7.514068 0.6587546 0.3123390 0.13592307 0.5194282  
## 5 -11.491707 0.4632712 0.4906543 0.21662819 0.4710480  
##   
## Clustering vector:  
## [1] 2 2 2 5 5 4 2 5 4 4 2 5 4 4 3 5 4 2 4 4 5 5 2 4 4 5 2 5 2 2 2 2 4 3 2 2 4  
## [38] 1 4 2 1 2 2 1 5 1 2 2 2 2 1 5 2 4 2 3 4 4 2 2 5 2 2 2 4 2 4 1 2 5 4 4 2 4  
## [75] 2 4 2 4 4 2 5 5 2 4 3 4 2 4 4 4 2 5 5 2 2 2 4 4 4 5 4 5 2 5 2 2 1 4 4 4 5  
## [112] 5 4 2 2 2 1 1 5 2 4 1 2 5 5 1 4 4 5 5 2 2 4 4 2 5 4 2 2 4 4 4 5 2 1 2 2 3  
## [149] 4 2 2 3 3 5 4 5 1 2 4 2 2 2 1 4 4 2 2 2 5 2 2 4 4 3 4 4 4 5 2 2 4 4 4 1 2  
## [186] 2 4 2 4 1 2 5 4 2 2 2 4 3 2 2 2 3 4 2 4 2 4 5 5 4 4 5 4 2 1 4 4 5 1 4 2 5  
## [223] 1 4 2 5 2 4 4 5 2 4 2 3 4 4 2 2 4 2 4 1 5 1 1 2 4 5 2 5 4 4 4 4 2 4 2 5 2  
## [260] 4 3 2 1 2 1 2 2 4 2 2 4 1 5 1 4 4 4 4 5 5 4 4 5 2 2 4 2 4 4 1 5 2 5 2 2 4  
## [297] 4 4 3 2 4 4 2 4 4 2 3 2 3 5 4 5 4 4 1 2 1 2 4 4 5 4 1 2 4 2 1 2 5 5 5 2 4  
## [334] 2 2 4 5 5 4 5 4 4 5 1 2 2 4 2 4 2 1 5 2 2 4 5 4 2 2 2 5 4 4 4 5 2 4 5 2 1  
## [371] 2 5 2 4 2 2 4 4 4 2 2 4 1 4 5 5 4 2 5 2 4 5 4 4 5 2 5 5 1 2 2 1 5 4 3 4 5  
## [408] 3 5 4 1 5 3 1 4 5 2 1 2 4 2 3 5 2 5 4 4 1 4 4 2 4 2 5 2 2 5 5 2 1 4 4 2 5  
## [445] 5 4 1 4 4 2 5 4 4 3 5 4 5 2 2 3 5 5 5 5 5 4 4 4 2 4 4 2 4 2 2 2 5 5 4 1 1  
## [482] 1 5 5 5 3 2 4 4 2 2 3 1 5 4 4 1 5 5 2 2 5 2 2 2 2 1 2 5 2 4 1 4 4 2 2 4 1  
## [519] 2 4 4 2 2 4 4 2 5 4 2 4 4 5 4 1 2 5 4 2 1 4 5 4 4 1 5 4 2 5 2 2 2 2 3 2 4  
## [556] 4 4 2 2 2 3 2 2 1 5 5 2 5 4 2 2 2 5 4 5 5 4 2 1 2 5 5 2 4 2 4 2 5 2 2 2 4  
## [593] 4 4 3 4 1 5 4 2 5 2 4 4 2 5 1 2 2 5 5 4 2 5 4 5 1 3 4 2 4 2 5 4 4 5 2 4 1  
## [630] 4 5 4 2 2 2 2 5 3 1 2 4 4 2 4 4 2 4 2 4 1 2 5 2 2 4 5 2 1 5 5 5 5 2 2 2 2  
## [667] 2 2 5 2 5 1 4 2 4 1 5 1 5 2 2 3 5 2 2 4 2 2 4 2 2 3 4 4 2 4 4 5 4 4 5 2 4  
## [704] 4 2 2 2 2 2 4 3 5 4 2 1 5 3 4 5 2 5 1 2 2 4 2 2 4 2 5 1 2 2 2 4 5 3 5 2 2  
## [741] 5 2 4 2 2 5 2 3 4 5 2 1 4 5 2 5 5 2 2 2 2 5 2 1 5 1 5 5 1 5 4 4 4 5 5 2 4  
## [778] 2 3 2 2 2 4 4 5 5 4 2 4 1 4 5 3 1 1 2 2 2 5 4 1 4 2 2 5 5 5 2 4 2 2 2 5 2  
## [815] 4 4 2 4 4 5 4 4 1 4 4 2 4 5 2 1 2 5 5 2 2 2 1 5 2 2 1 4 4 5 2 4 2 4 2 4 4  
## [852] 4 2 5 2 5 5 4 2 4 2 4 2 5 5 4 1 1 4 2 5 2 1 5 5 3 5 4 4 5 4 4 4 4 4 2 2 4  
## [889] 2 3 2 4 5 4 4 4 4 2 4 2 1 2 2 5 3 2 2 2 2 2 4 5 4 2 2 4 2 1 5 4 4 1 2 4 5  
## [926] 1 4 5 2 5 2 4 2 4 4 4 4 2 4 5 2 2 4 2 4 2 2 2 1 4 1 2 5 1 2 1 2 5 2 5 4 2  
## [963] 2 2 5 1 4 2 2 2 2 4 5 2 2 4 5 2 2 2 2 5 4 4 2 4 2 1 2 4 1 5 2 2 4 2 4 1 4  
## [1000] 3 5 4 5 4 2 4 3 5 5 2 2 5 4 2 4 2 2 2 5 5 5 4 4 5 4 4 2 4 2 5 5 4 1 2 4 5  
## [1037] 4 5 1 3 2 5 4 2 5 4 1 4 5 2 2 2 5 5 4 4 5 1 4 5 2 5 4 5 5 5 5 5 2 2 4 2 4  
## [1074] 5 4 2 4 4 5 2 4 2 4 3 4 5 5 5 1 1 4 2 2 5 4 2 4 2 1 5 4 4 2 2 4 2 4 2 2 5  
## [1111] 2 4 2 2 2 2 5 4 4 5 2 2 4 4 2 2 5 4 4 5 2 4 5 2 4 2 5 1 4 4 1 5 1 1 2 5 2  
## [1148] 4 5 5 4 4 5 5 2 2 5 1 4 4 2 2 3 2 2 4 2 3 1 5 5 1 3 2 2 2 2 2 2 4 5 2 4 2  
## [1185] 4 1 4 5 5 4 1 4 4 3 2 4 4 4 4 1 4 3 1 2 2 2 4 4 5 3 5 3 2 1 5 4 3 5 5 4 2  
## [1222] 2 3 2 4 2 5 1 4 1 5 4 2 1 5 5 2 5 2 4 4 2 4 2 2 2 2 4 1 2 5 4 4 4 5 4 4 4  
## [1259] 4 2 4 4 4 5 5 2 4 5 1 4 4 2 5 2 2 1 4 2 5 4 2 2 2 2 1 1 4 4 4 4 2 2 4 4 4  
## [1296] 2 2 2 2 2 5 5 3 5 1 5 5 4 2 2 1 2 2 4 4 5 2 2 2 2 3 4 5 4 4 5 2 5 3 2 3 1  
## [1333] 2 5 2 4 4 5 5 4 4 2 4 4 4 2 4 4 2 2 2 5 2 2 1 4 1 4 1 4 5 4 3 5 2 4 5 2 3  
## [1370] 2 5 4 4 4 3 4 4 5 2 2 1 2 4 4 2 5 5 1 4 4 1 2 2 2 2 2 1 5 2 1 2 5 2 2 2 5  
## [1407] 4 5 4 2 4 2 5 2 2 4 2 4 2 4 4 5 4 4 4 1 4 2 5 4 2 2 2 2 2 2 4 2 4 2 2 4 4  
## [1444] 5 2 2 2 1 2 1 4 3 5 5 4 4 1 2 4 4 5 1 4 2 5 5 4 4 4 4 5 2 4 4 5 4 1 2 2 2  
## [1481] 4 4 2 4 4 1 2 5 1 2 2 3 4 5 2 4 5 2 2 2 3 2 1 1 5 4 2 2 4 2 2 2 5 2 1 5 2  
## [1518] 4 2 2 4 4 2 2 1 4 3 5 5 2 4 5 5 4 4 5 4 2 4 5 2 4 4 2 4 2 4 1 5 2 5 5 2 5  
## [1555] 2 4 2 4 2 4 2 4 2 5 4 2 2 4 4 4 4 4 5 4 4 3 2 4 2 2 4 4 2 2 5 2 2 4 4 2 2  
## [1592] 2 2 2 5 2 3 4 2 4 2 2 4 1 2 4 1 4 4 5 2 4 2 4 4 1 5 4 2 4 2 4 4 5 4 1 5 4  
## [1629] 5 3 4 4 4 2 4 4 4 1 2 5 4 4 1 2 2 5 4 2 4 4 5 5 4 4 2 2 5 5 4 5 4 4 2 1 4  
## [1666] 5 2 4 2 4 5 2 2 2 5 4 2 1 2 1 4 2 3 5 4 1 1 5 2 4 5 2 5 2 2 4 2 5 2 4 5 4  
## [1703] 2 4 5 2 5 2 5 2 4 4 2 4 4 5 4 4 4 3 4 2 2 2 1 1 2 4 5 3 5 1 2 1 2 4 5 2 3  
## [1740] 2 5 4 2 4 4 1 5 4 2 2 5 5 2 5 2 2 4 5 3 4 4 4 2 2 2 2 2 4 4 1 5 2 2 2 2 4  
## [1777] 1 2 3 4 5 4 5 2 5 5 4 4 5 5 5 2 1 1 2 5 5 5 2 2 4 2 2 4 4 4 4 2 4 4 2 2 5  
## [1814] 2 2 4 2 5 5 4 2 5 4 3 3 4 4 5 1 2 1 4 5 4 5 4 2 1 4 4 5 4 1 5 4 4 4 4 3 3  
## [1851] 4 5 4 3 2 5 4 4 4 2 2 4 5 2 2 2 4 4 5 2 2 4 4 4 2 4 5 4 2 4 2 2 2 3 1 3 5  
## [1888] 2 4 2 3 4 4 4 2 2 4 5 4 4 3 2 2 2 2 3 2 1 5 2 5 5 4 5 4 2 5 5 4 2 4 2 1 2  
## [1925] 4 4 1 5 2 4 5 1 2 4 2 4 4 1 5 4 2 4 5 5 4 5 1 4 4 1 4 4 4 4 4 5 1 3 4 2 4  
## [1962] 4 3 4 4 4 2 2 5 2 5 3 2 5 3 5 5 5 4 5 2 1 5 2 2 4 5 1 5 3 5 2 2 2 5 5 4 2  
## [1999] 4 2 2 4 3 5 2 2 5 4 5 5 4 2 5 3 5 2 2 5 2 2 5 5 4 2 4 4 2 2 5 4 1 5 5 2 4  
## [2036] 4 1 4 5 4 2 4 5 4 2 5 4 2 2 1 4 1 4 5 4 1 4 2 2 5 4 4 3 2 4 4 2 5 4 2 4 5  
## [2073] 2 4 4 2 2 5 4 2 4 4 2 4 2 2 2 2 2 2 2 2 5 4 1 4 2 4 2 4 2 2 5 3 4 2 2 4 5  
## [2110] 3 5 1 2 1 4 3 2 2 2 4 5 4 4 4 2 2 2 5 4 5 4 2 5 5 4 5 1 4 2 5 2 2 2 4 4 2  
## [2147] 4 2 5 5 2 1 4 1 2 4 4 4 2 2 5 1 4 4 4 2 4 1 4 1 5 4 5 2 5 5 2 2 4 5 4 2 4  
## [2184] 1 4 2 4 1 4 4 2 2 2 2 2 4 5 5 1 2 2 5 4 4 2 4 4 2 2 5 1 5 4 1 4 2 2 2 2 2  
## [2221] 2 2 3 2 4 5 2 4 2 5 4 2 2 5 5 2 2 4 2 2 5 5 2 4 3 5 1 3 2 4 5 4 4 5 4 4 4  
## [2258] 2 1 2 4 4 5 5 3 2 2 2 4 4 4 4 3 3 4 2 4 2 4 4 2 2 4 4 5 1 4 2 2 5 5 4 2 5  
## [2295] 2 2 4 2 2 5 4 4 2 4 2 4 4 5 2 5 4 4 2 4 1 5 3 2 2 4 1 2 2 4 5 5 4 5 4 4 4  
## [2332] 5 5 2 4 5 4 2 1 4 2 2 2 5 5 2 1 4 2 3 2 4 2 2 2 4 5 2 5 2 4 4 2 1 2 5 2 5  
## [2369] 2 4 2 2 3 4 4 5 2 2 4 4 2 5 5 2 2 5 2 2 2 5 2 4 3 5 4 3 1 1 4 4 4 2 2 1 2  
## [2406] 2 5 5 2 1 1 2 4 5 2 4 4 4 2 4 4 1 5 4 5 1 2 2 2 1 2 4 4 5 5 2 5 2 5 4 1 2  
## [2443] 2 1 3 2 5 2 4 4 5 2 2 5 5 4 2 4 4 4 2 2 5 5 2 1 1 2 4 5 5 5 5 5 4 2 2 5 3  
## [2480] 5 4 2 2 4 2 1 5 4 5 5 4 5 5 5 2 2 4 4 4 4 1 3 2 4 4 5 1 4 5 5 1 5 2 4 4 2  
## [2517] 2 5 4 5 4 3 2 4 5 4 4 2 2 3 1 4 5 4 2 4 3 4 2 5 5 4 2 1 5 4 5 3 2 1 2 3 4  
## [2554] 2 4 4 5 5 2 2 4 5 5 2 2 4 4 4 2 5 5 2 4 4 1 2 4 5 2 4 4 2 4 4 2 2 1 5 4 4  
## [2591] 2 2 5 4 2 5 2 2 5 4 4 4 1 3 2 2 3 5 4 4 5 5 4 5 2 4 5 1 4 3 4 2 4 4 4 4 1  
## [2628] 1 5 5 2 4 5 2 2 4 5 3 5 4 2 2 4 1 1 4 4 3 5 4 1 4 2 2 1 1 2 2 4 3 4 1 2 2  
## [2665] 5 5 4 5 4 2 4 5 4 2 5 2 4 4 4 4 1 2 4 3 5 2 4 2 5 4 2 2 2 3 1 2 5 4 4 2 4  
## [2702] 2 1 4 2 5 5 2 5 4 5 4 4 2 2 5 2 5 4 4 4 2 4 2 2 5 1 2 4 2 1 5 2 4 5 5 4 2  
## [2739] 5 4 2 4 2 4 5 2 4 3 4 1 5 2 1 4 4 5 2 2 4 5 1 4 4 2 1 4 5 2 4 4 4 1 4 2 3  
## [2776] 5 5 2 4 4 4 4 2 4 5 4 4 1 5 5 4 3 4 4 2 4 1 4 2 2 4 5 2 4 4 5 4 4 5 5 2 2  
## [2813] 4 4 4 2 2 4 4 4 2 2 4 1 2 4 2 2 4 3 2 2 2 2 1 4 2 5 5 2 4 2 4 4 5 1 2 2 4  
## [2850] 5 4 5 4 5 2 3 2 3 2 5 1 5 4 5 2 2 1 2 2 3 4 5 4 1 4 2 4 4 1 4 4 2 2 1 1 5  
## [2887] 2 4 2 4 4 4 4 2 5 5 2 2 5 2 4 1 2 4 3 3 4 4 4 2 1 4 2 4 2 5 2 5 3 4 4 2 4  
## [2924] 4 2 5 2 4 2 5 2 2 1 5 4 5 5 3 2 4 2 4 5 1 5 2 2 4 5 4 1 5 5 5 5 5 4 5 5 2  
## [2961] 2 4 3 4 2 2 2 2 2 2 2 5 2 4 4 4 2 2 5 4 5 4 4 2 1 2 2 5 4 4 5 3 5 4 4 5 4  
## [2998] 5 4 1  
##   
## Within cluster sum of squares by cluster:  
## [1] 1215.095 1308.479 1993.708 1282.044 1274.792  
## (between\_SS / total\_SS = 91.8 %)  
##   
## Available components:  
##   
## [1] "cluster" "centers" "totss" "withinss" "tot.withinss"  
## [6] "betweenss" "size" "iter" "ifault"

attributes(k1)

## $names  
## [1] "cluster" "centers" "totss" "withinss" "tot.withinss"  
## [6] "betweenss" "size" "iter" "ifault"   
##   
## $class  
## [1] "kmeans"

k1$size

## [1] 268 1000 133 970 629

k1$withinss

## [1] 1215.095 1308.479 1993.708 1282.044 1274.792

k1$centers

## loudness energy acousticness instrumentalness valence  
## 1 -16.653843 0.2919045 0.6755804 0.45942345 0.3105297  
## 2 -4.325700 0.8448720 0.1457188 0.07555445 0.5265169  
## 3 -25.251895 0.1616488 0.8050250 0.74687103 0.1621206  
## 4 -7.514068 0.6587546 0.3123390 0.13592307 0.5194282  
## 5 -11.491707 0.4632712 0.4906543 0.21662819 0.4710480

### Decomposition of Inertia

Let’s compute for decomposition of inertia

Bss <- sum(rowSums(k1$centers^2)\*k1$size)  
Bss

## [1] 318346.5

Wss <- sum(k1$withinss)  
Wss

## [1] 7074.118

Tss <- k1$totss  
Tss

## [1] 86098.5

Bss+Wss

## [1] 325420.6

Ib1 <- 100\*Bss/(Bss+Wss)  
Ib1

## [1] 97.82616

Let’s repeat k-means run with K=5

k2 <- kmeans(dcon,5)  
k2$size

## [1] 1000 629 970 133 268

Bss <- sum(rowSums(k2$centers^2)\*k2$size)  
Bss

## [1] 318346.5

Wss <- sum(k2$withinss)  
Wss

## [1] 7074.118

Ib2 <- 100\*Bss/(Bss+Wss)  
Ib2

## [1] 97.82616

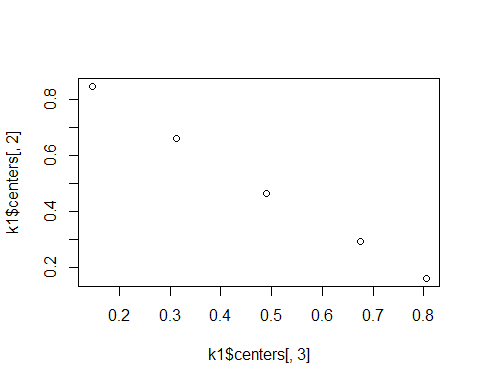
k2$centers

## loudness energy acousticness instrumentalness valence  
## 1 -4.325700 0.8448720 0.1457188 0.07555445 0.5265169  
## 2 -11.491707 0.4632712 0.4906543 0.21662819 0.4710480  
## 3 -7.514068 0.6587546 0.3123390 0.13592307 0.5194282  
## 4 -25.251895 0.1616488 0.8050250 0.74687103 0.1621206  
## 5 -16.653843 0.2919045 0.6755804 0.45942345 0.3105297

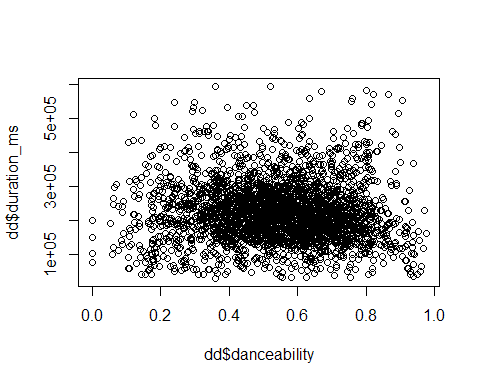
k1$centers

## loudness energy acousticness instrumentalness valence  
## 1 -16.653843 0.2919045 0.6755804 0.45942345 0.3105297  
## 2 -4.325700 0.8448720 0.1457188 0.07555445 0.5265169  
## 3 -25.251895 0.1616488 0.8050250 0.74687103 0.1621206  
## 4 -7.514068 0.6587546 0.3123390 0.13592307 0.5194282  
## 5 -11.491707 0.4632712 0.4906543 0.21662819 0.4710480

plot(k1$centers[,3],k1$centers[,2])



plot(dd$danceability, dd$duration\_ms)



table(k1$cluster, k2$cluster)

##   
## 1 2 3 4 5  
## 1 0 0 0 0 268  
## 2 1000 0 0 0 0  
## 3 0 0 0 133 0  
## 4 0 0 970 0 0  
## 5 0 629 0 0 0

Why did we obtained a different results? Which run is better between different k-means we applied previously?

Let’s try K=8

k3 <- kmeans(dcon,8)  
k3$size

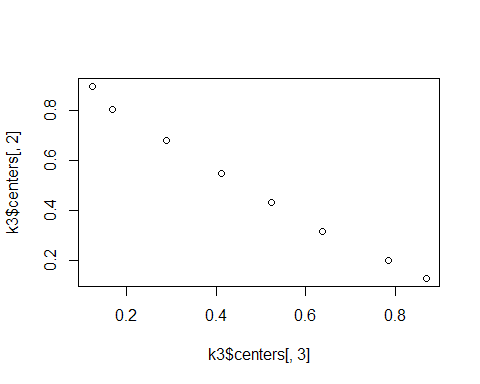
## [1] 641 145 210 381 508 51 405 659

Bss <- sum(rowSums(k3$centers^2)\*k3$size)  
Wss <- sum(k3$withinss)  
  
Ib3 <- 100\*Bss/(Bss+Wss)  
Ib3

## [1] 98.91375

Plotting k3 centers

plot(k3$centers[,3],k3$centers[,2])

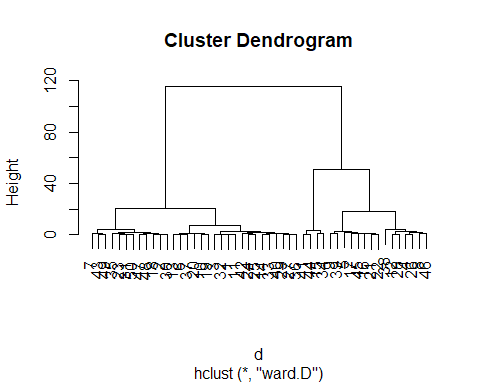


## Hierarchical CLustering

Keep watch of processing hclust on huge datasets. Somehow, running at 10,000 rows would be optimal. In our Spotify dataset case, we narrowed it down to 3,000 rows so it was totally fine.

We test first with the first 50 rows to see the basic structure.

d <- dist(dcon[1:50,])  
h1 <- hclust(d,method="ward.D")  
plot(h1)

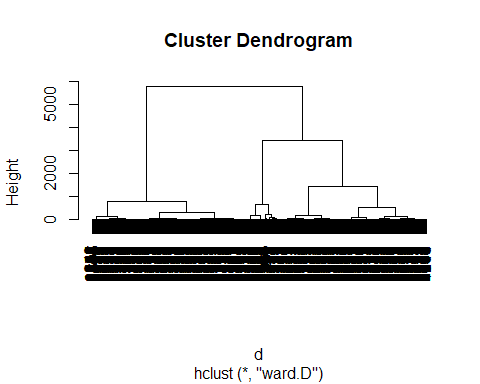


Then, we run the clustering with the purely numerical variable dataset we filtered out earlier

d <- dist(dcon)  
# The "ward" method has been renamed to "ward.D"; note new "ward.D2"  
h1 <- hclust(d,method="ward.D") # Keep in watch of the memory usage when running huge datasets  
h1

##   
## Call:  
## hclust(d = d, method = "ward.D")  
##   
## Cluster method : ward.D   
## Distance : euclidean   
## Number of objects: 3000

plot(h1)



## Where are the leaps? Where will you cut the dendrogram?, How many classes will you obtain?

Based from the above dendrogram (hierarchical clusters), we can see between 3-4 major group branches that can be identified visually. We have decided to use 4 classes throughout the next steps in further clustering the Spotify dataset.

nc <- 4  
  
c1 <- cutree(h1,nc)  
c1[1:20]

## [1] 1 1 1 2 2 1 1 2 3 1 1 2 1 1 4 2 3 1 3 1

Let’s try to cut the tree into 5

nc <- 5  
  
c5 <- cutree(h1,nc)  
c5[1:20]

## [1] 1 2 1 3 3 1 2 3 4 1 1 3 1 1 5 3 4 2 4 1

Let’s tabulate the number of elements for each branch of the cutted tree c1

table(c1)

## c1  
## 1 2 3 4   
## 1371 716 602 311

Also, we do it with c5

table(c5)

## c5  
## 1 2 3 4 5   
## 910 461 716 602 311

Cross tabulating c1 and c5 gives us a split between first and second rows of each table

table(c1,c5)

## c5  
## c1 1 2 3 4 5  
## 1 910 461 0 0 0  
## 2 0 0 716 0 0  
## 3 0 0 0 602 0  
## 4 0 0 0 0 311

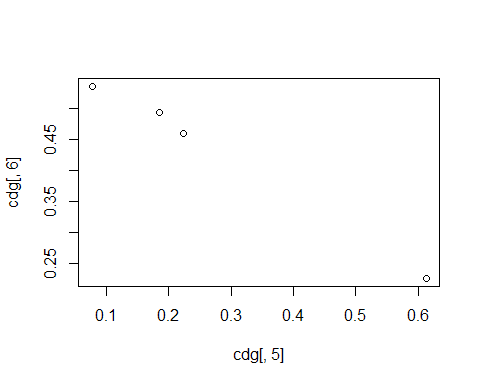
Let’s aggregate the values of every variable for every group based on how we cutted it in the tree

cdg <- aggregate(as.data.frame(dcon), list(c1), mean)  
cdg

## Group.1 loudness energy acousticness instrumentalness valence  
## 1 1 -4.905945 0.8101400 0.1832846 0.07652361 0.5362125  
## 2 2 -11.880494 0.4459659 0.5002814 0.22287230 0.4594306  
## 3 3 -8.172080 0.6269236 0.3307687 0.18422472 0.4932940  
## 4 4 -20.939823 0.2172659 0.7614973 0.61326230 0.2262794

Let’s examine the aggregated values between intrumentalness and valence

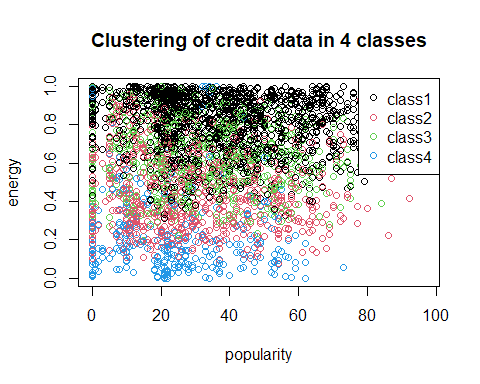
plot(cdg[,5], cdg[,6])



## Visual partition of the Clusters

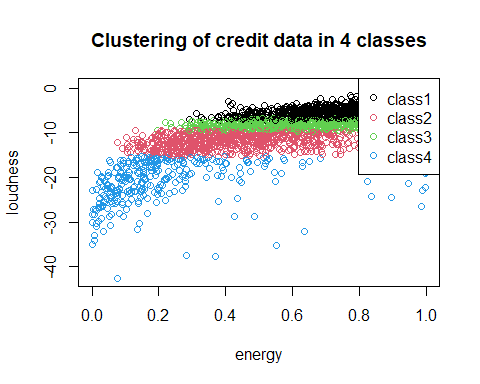
### Popularity vs Energy

# Need to run together  
plot(popularity, energy, col=c1, main="Clustering of credit data in 4 classes")  
legend("topright", c("class1", "class2", "class3", "class4"), pch=1, col=c(1:4))



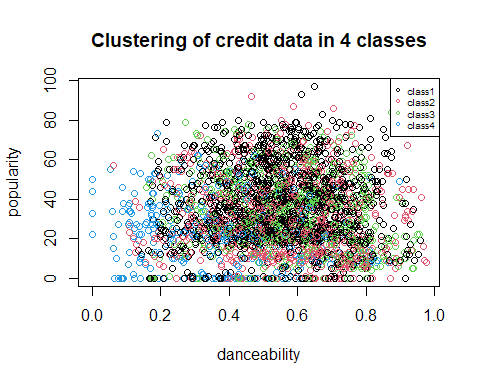
### Energy vs Loudness

plot(energy, loudness, col=c1, main="Clustering of credit data in 4 classes")  
legend("topright", c("class1", "class2", "class3", "class4"), pch=1, col=c(1:4))



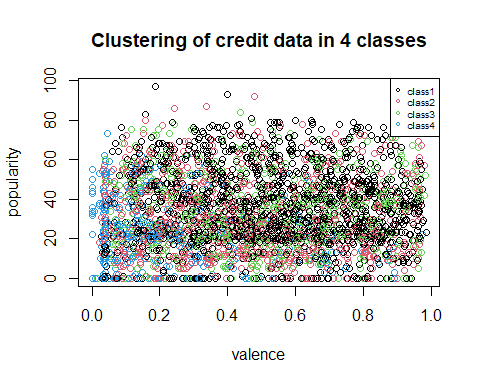
### Danceability vs Popularity

plot(danceability, popularity, col=c1, main="Clustering of credit data in 4 classes")  
legend("topright",c("class1", "class2", "class3", "class4"),pch=1,col=c(1:4), cex=0.6)



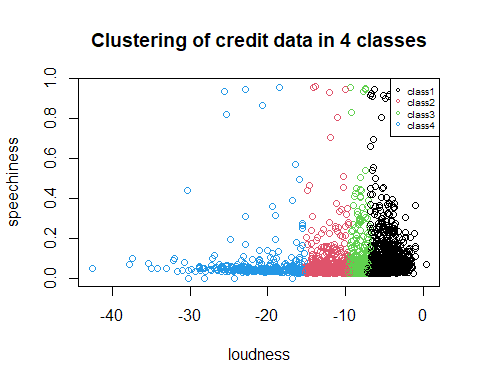
### Valence vs Popularity

plot(valence, popularity, col=c1,main="Clustering of credit data in 4 classes")  
legend("topright",c("class1", "class2", "class3", "class4"),pch=1,col=c(1:4), cex=0.6)



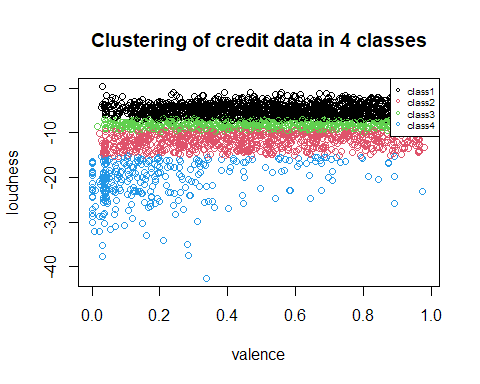
### Loudness vs Speechiness

plot(loudness, speechiness,col=c1,main="Clustering of credit data in 4 classes")  
legend("topright",c("class1", "class2", "class3", "class4"),pch=1,col=c(1:4), cex=0.6)



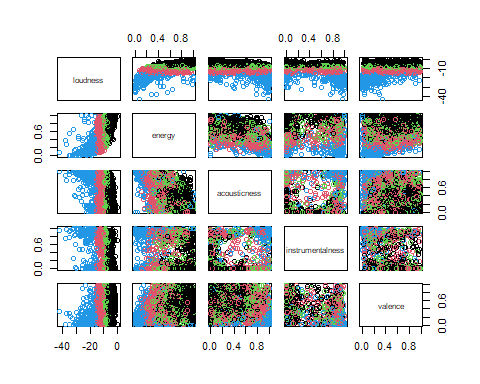
### Valence vs Loudness

plot(valence, loudness ,col=c1,main="Clustering of credit data in 4 classes")  
legend("topright",c("class1", "class2", "class3", "class4"),pch=1,col=c(1:4), cex=0.6)



### Visualizing all the variables altogether into matrix

pairs(dcon, col=c1)



## Quality of the Hierarchical Partition

Bss <- sum(rowSums(cdg^2)\*as.numeric(table(c1)))  
  
Ib4 <- 100\*Bss/Tss  
Ib4

## [1] 380.8549

## Move to Gower mixed distance to deal

Simultaneously with numerical and qualitative data. Gower’s Distance can be used to measure how different two records are. The distance is always a number between 0 (identical) and 1 (maximally dissimilar).

More info on Gower’s Distance: <https://medium.com/analytics-vidhya/gowers-distance-899f9c4bd553>

## Dissimilarity matrix

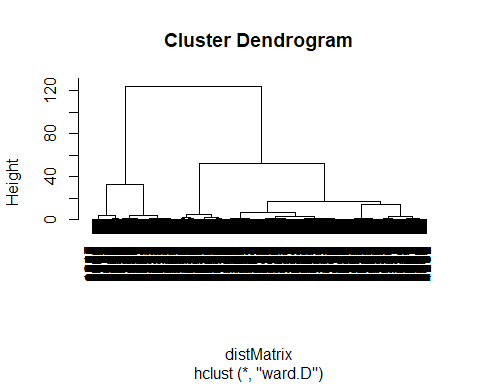
Let’s compute the pairwise dissimilarities between observations in the data set that sets to Gower’s Distance. More info on the daisy() function here: <https://stat.ethz.ch/R-manual/R-devel/library/cluster/html/daisy.html>

dissimMatrix <- daisy(dd[numeric\_vars], metric = "gower", stand=TRUE)  
distMatrix<-dissimMatrix^2

### Running the hierarchical clustering for the distMatrix

Using the distMatrix data, generate the hierachical clustering chart using hclust()

h1 <- hclust(distMatrix, method="ward.D") # Keep watch of the memory  
plot(h1)



### Cut the tree of the distMatrix

c2 <- cutree(h1, 4)  
  
# Class sizes   
table(c2)

## c2  
## 1 2 3 4   
## 1811 520 412 257

#comparing with other partitions  
table(c1, c2)

## c2  
## c1 1 2 3 4  
## 1 1172 72 124 3  
## 2 250 276 134 56  
## 3 364 105 116 17  
## 4 25 67 38 181

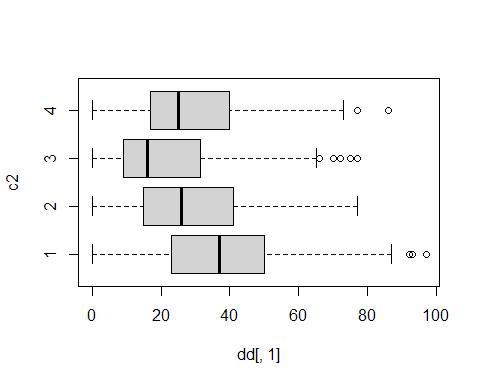
### Visualize distribution for the variable using boxplot

names(dd)

## [1] "popularity" "duration\_ms" "explicit" "danceability"   
## [5] "energy" "key" "loudness" "mode"   
## [9] "speechiness" "acousticness" "instrumentalness" "liveness"   
## [13] "valence" "tempo" "time\_signature" "track\_genre"   
## [17] "multiple\_artists" "tempo\_cat"

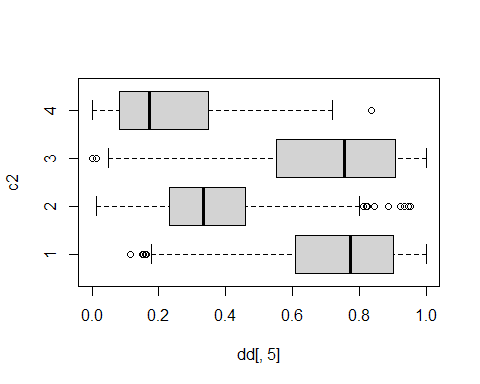
#### Popularity

boxplot(dd[,1]~c2, horizontal=TRUE)



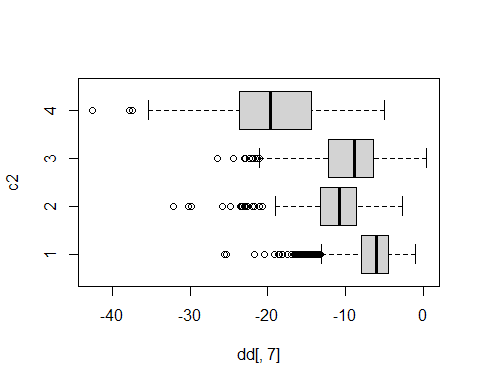
#### Energy

boxplot(dd[,5]~c2, horizontal=TRUE)



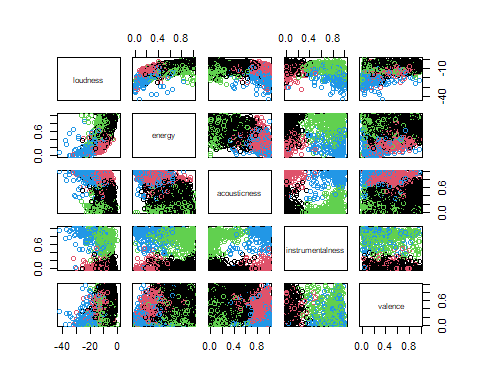
#### Loudness

boxplot(dd[,7]~c2, horizontal=TRUE)

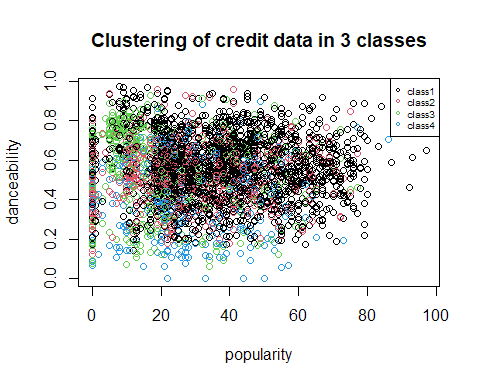


### Visualize distMatrix for every variable in a matrix

pairs(dcon, col=c2)



plot(popularity, danceability, col=c2, main="Clustering of credit data in 3 classes")  
legend("topright",c("class1", "class2", "class3", "class4"),pch=1,col=c(1:4), cex=0.6)

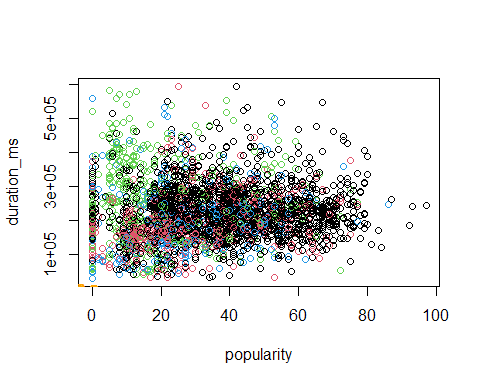


### Aggregate the distMatrix data

cdg <- aggregate(as.data.frame(dcon),list(c2),mean)  
cdg

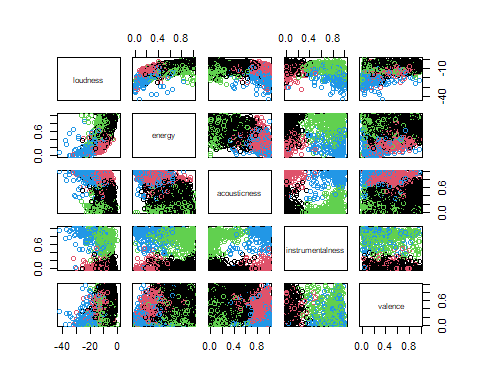
## Group.1 loudness energy acousticness instrumentalness valence  
## 1 1 -6.583336 0.7380751 0.19736549 0.01214573 0.5458278  
## 2 2 -11.235687 0.3561565 0.81888654 0.01971245 0.4513965  
## 3 3 -9.548485 0.7146766 0.09705143 0.77733010 0.3702006  
## 4 4 -19.320650 0.2283625 0.86458366 0.83117471 0.2167026

plot(popularity, duration\_ms, col= c2)  
points(cdg[,4],cdg[,5],pch=16,col="orange")  
text(cdg[,4],cdg[,5], labels=cdg[,1], pos=2, font=2, cex=0.7, col="orange")



### Plotting the same previous cluster but now partitioned visually by the distMatrix

pairs(dcon, col=c2)



### Steps before moving to Profiling

Add the cluster vector (c2 which was cut into 4) to the dataset (dcon) Save the dcon dataset which was used for the clustering and run it through the profiling script

dcon\_clust <- dcon %>% bind\_cols(tibble(cluster = c2))  
dcon\_clust

## loudness energy acousticness instrumentalness valence cluster  
## 1 -5.274 0.854000 4.98e-02 2.53e-04 0.69900 1  
## 2 -3.464 0.855000 3.41e-03 4.28e-02 0.60900 1  
## 3 -5.308 0.617000 1.71e-01 0.00e+00 0.75900 1  
## 4 -13.106 0.235000 9.17e-01 2.64e-01 0.38200 2  
## 5 -10.344 0.714000 7.26e-04 9.08e-01 0.26900 3  
## 6 -6.901 0.771000 1.19e-03 2.61e-02 0.74300 1  
## 7 -2.976 0.992000 4.00e-03 2.73e-05 0.20000 1  
## 8 -13.509 0.573000 9.06e-01 8.60e-01 0.65000 4  
## 9 -9.089 0.445000 9.90e-01 5.38e-01 0.19200 4  
## 10 -7.280 0.397000 5.56e-01 0.00e+00 0.30700 1  
## 11 -5.300 0.866000 3.61e-02 8.03e-02 0.64000 1  
## 12 -11.888 0.200000 9.21e-01 0.00e+00 0.34300 2  
## 13 -6.837 0.601000 2.68e-01 2.78e-04 0.52600 1  
## 14 -6.127 0.810000 1.04e-05 1.34e-06 0.63800 1  
## 15 -21.734 0.175000 9.49e-01 1.31e-01 0.06390 2  
## 16 -10.101 0.702000 1.09e-02 0.00e+00 0.60200 1  
## 17 -9.253 0.983000 7.75e-03 2.95e-02 0.19500 1  
## 18 -3.793 0.769000 4.80e-01 0.00e+00 0.80900 1  
## 19 -7.252 0.394000 1.17e-01 0.00e+00 0.41900 1  
## 20 -6.852 0.822000 7.41e-01 0.00e+00 0.33400 2  
## 21 -9.599 0.470000 2.10e-01 0.00e+00 0.69800 1  
## 22 -9.590 0.496000 2.39e-01 4.83e-06 0.67900 1  
## 23 -4.592 0.903000 1.58e-02 3.33e-04 0.95000 1  
## 24 -5.931 0.838000 5.76e-01 0.00e+00 0.50100 1  
## 25 -6.400 0.583000 5.44e-01 0.00e+00 0.52300 1  
## 26 -12.585 0.343000 5.52e-01 1.20e-06 0.37100 1  
## 27 -5.739 0.784000 1.53e-02 9.12e-03 0.21400 1  
## 28 -11.576 0.535000 5.89e-01 2.38e-02 0.66300 2  
## 29 -5.556 0.475000 1.48e-01 0.00e+00 0.33500 1  
## 30 -3.711 0.890000 1.43e-01 0.00e+00 0.57900 1  
## 31 -4.580 0.742000 2.80e-02 0.00e+00 0.68200 1  
## 32 -5.141 0.902000 1.30e-01 3.50e-04 0.77400 1  
## 33 -6.279 0.637000 4.43e-02 0.00e+00 0.12100 1  
## 34 -22.646 0.081100 8.79e-01 3.13e-03 0.05030 2  
## 35 -4.354 0.697000 7.88e-01 0.00e+00 0.97400 1  
## 36 -5.868 0.951000 5.90e-05 3.18e-03 0.13200 1  
## 37 -7.162 0.945000 5.14e-03 2.24e-02 0.57100 1  
## 38 -15.861 0.571000 4.08e-01 1.09e-03 0.14300 1  
## 39 -8.379 0.446000 9.49e-01 9.78e-02 0.08940 2  
## 40 -5.150 0.956000 7.61e-05 3.78e-02 0.11500 1  
## 41 -20.476 0.157000 6.91e-01 9.41e-01 0.03790 4  
## 42 -5.602 0.488000 8.96e-01 4.84e-05 0.55700 2  
## 43 -2.394 0.901000 4.37e-02 2.74e-03 0.61700 1  
## 44 -20.092 0.343000 9.59e-01 9.30e-01 0.45000 4  
## 45 -10.019 0.625000 7.76e-01 3.27e-04 0.96100 1  
## 46 -14.273 0.464000 7.82e-01 2.62e-06 0.82800 2  
## 47 -4.159 0.935000 1.71e-02 3.01e-03 0.33900 1  
## 48 -4.047 0.986000 2.09e-01 4.48e-02 0.19400 1  
## 49 -2.680 0.902000 5.66e-01 0.00e+00 0.65200 1  
## 50 -4.338 0.795000 2.58e-03 0.00e+00 0.68500 1  
## 51 -17.550 0.179000 9.04e-01 1.88e-03 0.11700 2  
## 52 -11.534 0.191000 9.00e-01 0.00e+00 0.39600 2  
## 53 -4.833 0.945000 2.34e-03 1.58e-04 0.40900 1  
## 54 -6.358 0.552000 8.93e-01 6.39e-06 0.77100 2  
## 55 -5.794 0.874000 2.41e-03 0.00e+00 0.16000 1  
## 56 -34.243 0.008210 9.93e-01 9.41e-01 0.20900 4  
## 57 -8.769 0.768000 1.20e-01 6.15e-05 0.85300 1  
## 58 -7.753 0.505000 5.06e-01 1.80e-06 0.13600 1  
## 59 -4.723 0.981000 3.57e-06 1.04e-02 0.27400 1  
## 60 -4.229 0.939000 1.36e-02 8.68e-06 0.14700 1  
## 61 -10.934 0.413000 2.61e-01 1.93e-05 0.59000 1  
## 62 -5.610 0.803000 1.98e-01 1.02e-02 0.78600 1  
## 63 -2.189 0.990000 1.51e-04 1.61e-04 0.44300 1  
## 64 -4.004 0.977000 1.74e-05 5.28e-01 0.10800 3  
## 65 -8.035 0.795000 4.35e-05 9.00e-01 0.31700 3  
## 66 -4.514 0.897000 1.26e-02 1.87e-01 0.33100 1  
## 67 -6.674 0.873000 8.22e-03 4.53e-03 0.86800 1  
## 68 -15.002 0.223000 9.43e-01 7.98e-01 0.10300 4  
## 69 -3.024 0.977000 1.37e-03 1.77e-05 0.74600 1  
## 70 -13.035 0.155000 4.27e-01 6.37e-02 0.68200 2  
## 71 -8.610 0.355000 7.33e-01 1.22e-05 0.22000 2  
## 72 -7.943 0.711000 6.32e-01 3.12e-03 0.50700 1  
## 73 -5.281 0.510000 9.15e-01 0.00e+00 0.47800 2  
## 74 -6.167 0.451000 2.83e-01 0.00e+00 0.59000 1  
## 75 -3.625 0.908000 7.20e-03 6.84e-05 0.42000 1  
## 76 -8.130 0.659000 3.34e-01 0.00e+00 0.35000 1  
## 77 -3.720 0.674000 1.69e-01 0.00e+00 0.92000 1  
## 78 -9.273 0.511000 3.66e-02 6.31e-03 0.09580 1  
## 79 -7.631 0.314000 9.16e-01 0.00e+00 0.83600 2  
## 80 -5.139 0.966000 3.62e-03 0.00e+00 0.55000 1  
## 81 -9.544 0.445000 7.34e-01 5.87e-06 0.35100 2  
## 82 -13.449 0.534000 1.72e-02 9.25e-01 0.82600 3  
## 83 -4.279 0.859000 3.03e-01 1.34e-06 0.66400 1  
## 84 -9.090 0.345000 7.49e-01 0.00e+00 0.80100 2  
## 85 -26.199 0.031200 9.91e-01 9.38e-01 0.24000 4  
## 86 -9.028 0.301000 9.31e-01 4.44e-01 0.16700 4  
## 87 -2.706 0.967000 1.04e-03 1.49e-02 0.36400 1  
## 88 -7.572 0.817000 6.18e-01 7.71e-06 0.96000 1  
## 89 -7.015 0.755000 5.64e-01 2.67e-03 0.59700 1  
## 90 -6.572 0.769000 4.12e-01 0.00e+00 0.86000 1  
## 91 -5.717 0.827000 2.20e-01 0.00e+00 0.45400 1  
## 92 -12.544 0.503000 7.63e-03 1.42e-03 0.80200 1  
## 93 -9.978 0.532000 2.88e-01 8.19e-05 0.44600 1  
## 94 -3.277 0.967000 2.48e-04 2.64e-06 0.22600 1  
## 95 -5.380 0.873000 1.27e-04 7.78e-04 0.38600 1  
## 96 -3.066 0.976000 2.06e-02 1.02e-06 0.32600 1  
## 97 -9.251 0.317000 9.56e-01 0.00e+00 0.53500 2  
## 98 -6.373 0.891000 7.80e-06 8.49e-01 0.17900 3  
## 99 -6.870 0.728000 7.36e-01 0.00e+00 0.77600 1  
## 100 -9.774 0.302000 5.93e-01 1.62e-03 0.18700 1  
## 101 -7.707 0.767000 2.45e-04 8.40e-01 0.67600 3  
## 102 -13.763 0.334000 7.35e-01 1.02e-05 0.39300 1  
## 103 -5.573 0.853000 4.56e-03 0.00e+00 0.48800 1  
## 104 -9.756 0.644000 8.98e-01 0.00e+00 0.80400 2  
## 105 -3.971 0.927000 1.67e-01 9.27e-03 0.36900 1  
## 106 -0.958 0.968000 5.68e-05 5.51e-02 0.55900 1  
## 107 -15.938 0.330000 5.68e-01 0.00e+00 0.70500 2  
## 108 -8.389 0.465000 3.43e-01 8.84e-01 0.17300 3  
## 109 -7.519 0.532000 8.97e-01 1.44e-01 0.12100 2  
## 110 -8.994 0.290000 8.52e-01 0.00e+00 0.79200 2  
## 111 -14.062 0.493000 7.70e-01 0.00e+00 0.89500 2  
## 112 -12.026 0.259000 9.76e-01 0.00e+00 0.48600 2  
## 113 -8.440 0.600000 6.86e-01 0.00e+00 0.53200 2  
## 114 -5.683 0.667000 6.91e-01 0.00e+00 0.59000 2  
## 115 -4.341 0.953000 7.82e-01 0.00e+00 0.21200 2  
## 116 -4.871 0.666000 4.04e-01 0.00e+00 0.78300 1  
## 117 -19.232 0.298000 8.58e-01 7.93e-01 0.05000 4  
## 118 -17.375 0.196000 8.04e-01 8.95e-06 0.33300 2  
## 119 -12.457 0.762000 2.06e-01 7.69e-01 0.03600 3  
## 120 -3.724 0.664000 6.15e-01 0.00e+00 0.92000 1  
## 121 -9.447 0.695000 1.11e-03 8.57e-02 0.41300 1  
## 122 -14.097 0.402000 8.68e-01 5.66e-06 0.71700 2  
## 123 -4.996 0.917000 7.53e-03 6.52e-04 0.64500 1  
## 124 -13.681 0.560000 2.52e-01 3.22e-02 0.47500 1  
## 125 -13.711 0.287000 9.72e-01 0.00e+00 0.51600 2  
## 126 -14.970 0.727000 1.50e-01 9.30e-01 0.64300 3  
## 127 -8.138 0.458000 5.76e-02 0.00e+00 0.11400 1  
## 128 -6.274 0.957000 7.06e-06 1.39e-01 0.25100 1  
## 129 -9.846 0.377000 7.25e-01 1.83e-06 0.83500 2  
## 130 -11.679 0.551000 4.89e-03 1.14e-01 0.55800 1  
## 131 -4.768 0.873000 5.32e-03 5.50e-03 0.30300 1  
## 132 -4.447 0.809000 1.16e-02 3.08e-05 0.87200 1  
## 133 -6.669 0.765000 4.53e-01 0.00e+00 0.90600 1  
## 134 -6.576 0.807000 6.60e-01 0.00e+00 0.84300 1  
## 135 -5.790 0.591000 4.53e-01 6.95e-04 0.22800 1  
## 136 -11.876 0.369000 1.83e-01 1.26e-03 0.65000 1  
## 137 -5.979 0.971000 4.67e-02 0.00e+00 0.64700 1  
## 138 -5.118 0.820000 6.94e-03 4.57e-03 0.77900 1  
## 139 -2.113 0.966000 2.12e-01 1.43e-06 0.84400 1  
## 140 -8.016 0.462000 4.21e-02 1.40e-05 0.16500 1  
## 141 -8.837 0.660000 7.66e-01 0.00e+00 0.48300 2  
## 142 -8.109 0.737000 6.42e-01 0.00e+00 0.66300 1  
## 143 -13.982 0.154000 8.84e-01 0.00e+00 0.29500 2  
## 144 -3.453 0.871000 5.53e-02 5.10e-01 0.37400 3  
## 145 -19.184 0.088500 9.91e-01 9.45e-01 0.19500 4  
## 146 -5.475 0.918000 2.28e-03 0.00e+00 0.67400 1  
## 147 -4.539 0.976000 1.64e-05 3.95e-01 0.41700 3  
## 148 -20.967 0.136000 9.80e-01 8.98e-01 0.18800 4  
## 149 -7.993 0.887000 9.08e-02 3.41e-06 0.18200 1  
## 150 -3.600 0.958000 1.56e-04 2.80e-01 0.05730 1  
## 151 -3.480 0.869000 3.06e-02 0.00e+00 0.52200 1  
## 152 -23.103 0.149000 9.75e-01 8.72e-01 0.97300 4  
## 153 -21.597 0.087700 6.62e-01 9.61e-01 0.02600 4  
## 154 -10.463 0.462000 2.71e-01 0.00e+00 0.67700 1  
## 155 -8.207 0.517000 6.53e-01 0.00e+00 0.49700 2  
## 156 -9.682 0.569000 3.65e-01 6.11e-01 0.53000 4  
## 157 -16.867 0.109000 8.47e-01 0.00e+00 0.67700 2  
## 158 -4.887 0.924000 4.84e-02 0.00e+00 0.58000 1  
## 159 -7.564 0.699000 3.49e-01 2.41e-04 0.15600 1  
## 160 -5.604 0.976000 3.98e-02 7.84e-05 0.42100 1  
## 161 -5.611 0.953000 2.34e-02 1.26e-03 0.74000 1  
## 162 -3.407 0.924000 4.02e-05 4.62e-03 0.21900 1  
## 163 -14.338 0.388000 1.81e-01 8.38e-01 0.76700 3  
## 164 -9.274 0.585000 3.75e-01 1.01e-02 0.72100 1  
## 165 -7.535 0.386000 7.73e-01 2.53e-04 0.59200 2  
## 166 -5.857 0.807000 2.70e-01 0.00e+00 0.45000 1  
## 167 -5.618 0.694000 4.50e-04 0.00e+00 0.16600 1  
## 168 -4.787 0.757000 7.77e-03 1.54e-04 0.87800 1  
## 169 -9.692 0.488000 2.74e-01 1.10e-03 0.15600 1  
## 170 -4.013 0.746000 3.52e-01 0.00e+00 0.47800 1  
## 171 -3.228 0.979000 5.65e-05 8.79e-01 0.20200 3  
## 172 -7.465 0.661000 5.33e-03 1.45e-05 0.95300 1  
## 173 -8.079 0.488000 5.89e-01 0.00e+00 0.53900 2  
## 174 -21.055 0.250000 2.09e-03 9.11e-01 0.30600 3  
## 175 -8.590 0.824000 4.38e-01 2.34e-05 0.96600 1  
## 176 -8.438 0.582000 6.46e-01 0.00e+00 0.71300 1  
## 177 -8.686 0.563000 3.05e-02 0.00e+00 0.52100 1  
## 178 -13.646 0.941000 8.61e-06 9.30e-01 0.21900 3  
## 179 -5.065 0.875000 3.34e-02 2.89e-03 0.80200 1  
## 180 -5.680 0.830000 2.01e-01 0.00e+00 0.59900 1  
## 181 -6.314 0.535000 1.43e-01 8.88e-01 0.56600 3  
## 182 -6.430 0.690000 4.43e-04 0.00e+00 0.45100 1  
## 183 -8.038 0.657000 5.89e-01 0.00e+00 0.79700 1  
## 184 -18.039 0.351000 8.91e-01 7.69e-01 0.07340 4  
## 185 -5.653 0.573000 1.07e-01 0.00e+00 0.07650 1  
## 186 -4.507 0.888000 5.45e-04 2.04e-05 0.51200 1  
## 187 -7.801 0.742000 2.19e-01 2.25e-05 0.53700 1  
## 188 -3.259 0.939000 3.38e-01 0.00e+00 0.48600 1  
## 189 -7.687 0.669000 3.19e-03 6.24e-06 0.36200 1  
## 190 -20.849 0.037800 9.73e-01 8.69e-01 0.03980 4  
## 191 -5.375 0.489000 7.26e-01 0.00e+00 0.53100 2  
## 192 -12.584 0.228000 9.66e-01 3.81e-05 0.25800 2  
## 193 -7.777 0.415000 6.16e-01 0.00e+00 0.42500 1  
## 194 -5.579 0.924000 1.21e-01 0.00e+00 0.91800 1  
## 195 -5.379 0.464000 1.02e-02 0.00e+00 0.45700 1  
## 196 -3.687 0.800000 4.42e-02 0.00e+00 0.56000 1  
## 197 -6.556 0.529000 7.30e-01 0.00e+00 0.57500 2  
## 198 -27.208 0.009830 9.91e-01 9.19e-01 0.27000 4  
## 199 -1.502 0.998000 6.65e-02 0.00e+00 0.54000 1  
## 200 -4.359 0.828000 3.70e-02 2.10e-05 0.93200 1  
## 201 -1.859 0.992000 2.42e-04 1.62e-01 0.30300 1  
## 202 -28.262 0.001530 9.69e-01 9.95e-01 0.06710 4  
## 203 -7.313 0.644000 3.51e-02 8.79e-01 0.49800 3  
## 204 -4.353 0.990000 1.40e-01 6.54e-05 0.69400 1  
## 205 -7.239 0.672000 8.17e-01 1.08e-06 0.74200 1  
## 206 -5.529 0.713000 5.55e-02 0.00e+00 0.36100 1  
## 207 -6.083 0.868000 1.40e-02 0.00e+00 0.56100 1  
## 208 -9.665 0.309000 8.07e-01 2.44e-05 0.82400 2  
## 209 -13.640 0.323000 8.12e-01 9.41e-01 0.37800 4  
## 210 -7.734 0.597000 7.47e-01 0.00e+00 0.83700 1  
## 211 -6.563 0.552000 8.41e-01 0.00e+00 0.63500 2  
## 212 -10.818 0.627000 1.13e-01 3.30e-04 0.85500 1  
## 213 -8.362 0.543000 4.19e-01 4.05e-05 0.56100 1  
## 214 -4.055 0.638000 7.58e-01 6.57e-03 0.51100 2  
## 215 -17.026 0.811000 1.04e-03 9.64e-01 0.32700 3  
## 216 -6.195 0.906000 3.41e-02 7.83e-05 0.68000 1  
## 217 -6.358 0.814000 2.43e-01 1.02e-02 0.91400 1  
## 218 -11.581 0.328000 8.67e-01 0.00e+00 0.19800 2  
## 219 -15.618 0.348000 1.52e-01 0.00e+00 0.66400 1  
## 220 -6.612 0.624000 6.37e-01 0.00e+00 0.78800 1  
## 221 -3.577 0.703000 3.32e-01 0.00e+00 0.64600 1  
## 222 -13.054 0.604000 1.22e-04 7.06e-01 0.25900 3  
## 223 -16.022 0.337000 8.12e-01 9.57e-01 0.55100 4  
## 224 -6.508 0.838000 7.07e-01 0.00e+00 0.82100 1  
## 225 -3.001 0.824000 3.07e-01 0.00e+00 0.31100 1  
## 226 -12.742 0.719000 6.52e-03 1.10e-02 0.16000 1  
## 227 -5.237 0.867000 1.29e-01 1.76e-03 0.35800 1  
## 228 -6.847 0.807000 6.32e-01 0.00e+00 0.74500 1  
## 229 -6.480 0.881000 8.05e-03 0.00e+00 0.17300 1  
## 230 -11.797 0.901000 1.03e-01 8.92e-01 0.74000 3  
## 231 -4.932 0.828000 2.78e-01 0.00e+00 0.55500 1  
## 232 -7.066 0.602000 2.75e-01 0.00e+00 0.68200 1  
## 233 -3.826 0.971000 2.55e-06 5.94e-01 0.14000 3  
## 234 -22.909 0.198000 8.18e-01 0.00e+00 0.58500 2  
## 235 -7.451 0.729000 8.70e-01 0.00e+00 0.44500 2  
## 236 -8.271 0.510000 8.49e-01 1.69e-02 0.43400 2  
## 237 -4.830 0.945000 5.98e-03 1.51e-04 0.55700 1  
## 238 -5.333 0.668000 6.17e-02 1.05e-03 0.85100 1  
## 239 -9.457 0.503000 3.32e-02 1.11e-01 0.46900 1  
## 240 -5.185 0.878000 2.63e-02 0.00e+00 0.83300 1  
## 241 -7.674 0.457000 2.22e-01 0.00e+00 0.16600 1  
## 242 -14.099 0.139000 9.93e-01 0.00e+00 0.20100 2  
## 243 -12.162 0.136000 6.73e-01 1.57e-04 0.09810 2  
## 244 -15.605 0.511000 1.39e-01 0.00e+00 0.72000 1  
## 245 -15.804 0.139000 9.26e-01 3.00e-03 0.79600 2  
## 246 -5.463 0.954000 8.60e-03 6.24e-01 0.66500 3  
## 247 -6.514 0.551000 5.34e-01 0.00e+00 0.87400 1  
## 248 -11.028 0.327000 6.87e-01 0.00e+00 0.74200 2  
## 249 -5.286 0.951000 1.59e-02 7.18e-01 0.68200 3  
## 250 -9.873 0.549000 5.31e-01 0.00e+00 0.69600 2  
## 251 -7.193 0.943000 2.65e-05 5.04e-02 0.82800 1  
## 252 -7.651 0.398000 9.62e-01 1.12e-02 0.80100 2  
## 253 -7.161 0.490000 6.71e-01 4.17e-04 0.12600 2  
## 254 -7.349 0.983000 3.85e-04 3.54e-01 0.50700 3  
## 255 -4.897 0.814000 2.86e-01 4.04e-01 0.43800 3  
## 256 -6.451 0.704000 7.88e-03 8.88e-06 0.25000 1  
## 257 -4.597 0.956000 2.04e-04 2.27e-06 0.61400 1  
## 258 -12.591 0.733000 2.42e-03 8.52e-01 0.03990 3  
## 259 -4.493 0.982000 4.09e-01 2.11e-04 0.22500 1  
## 260 -6.237 0.387000 9.09e-01 0.00e+00 0.48500 2  
## 261 -33.070 0.007080 9.85e-01 9.61e-01 0.16000 4  
## 262 -3.395 0.978000 5.08e-06 8.94e-01 0.14900 3  
## 263 -19.716 0.175000 9.74e-01 8.53e-01 0.81600 4  
## 264 -1.259 0.940000 1.38e-02 1.01e-02 0.69100 1  
## 265 -20.188 0.219000 9.28e-01 7.13e-01 0.11000 4  
## 266 -4.789 0.773000 7.60e-01 2.28e-06 0.86300 1  
## 267 -5.206 0.967000 7.71e-02 0.00e+00 0.89500 1  
## 268 -8.417 0.587000 1.57e-01 8.77e-01 0.87800 3  
## 269 -3.346 0.978000 5.53e-06 1.55e-03 0.32400 1  
## 270 -4.781 0.723000 5.01e-03 0.00e+00 0.23900 1  
## 271 -7.424 0.626000 2.32e-01 6.24e-05 0.51800 1  
## 272 -15.304 0.521000 5.52e-06 9.12e-01 0.03780 3  
## 273 -12.172 0.766000 2.07e-01 3.52e-01 0.89900 3  
## 274 -16.516 0.225000 6.79e-01 0.00e+00 0.65800 2  
## 275 -6.808 0.500000 2.25e-02 5.67e-01 0.04630 3  
## 276 -8.078 0.627000 1.30e-01 0.00e+00 0.33000 1  
## 277 -7.964 0.469000 5.80e-01 0.00e+00 0.71900 2  
## 278 -7.209 0.526000 9.98e-02 0.00e+00 0.29000 1  
## 279 -11.771 0.277000 8.92e-01 5.42e-02 0.43500 2  
## 280 -12.126 0.152000 3.26e-01 3.40e-03 0.23900 1  
## 281 -6.727 0.776000 4.12e-01 0.00e+00 0.92500 1  
## 282 -7.703 0.717000 8.15e-01 0.00e+00 0.40800 2  
## 283 -11.341 0.354000 7.89e-01 2.95e-01 0.36300 2  
## 284 -3.304 0.936000 2.54e-03 6.03e-04 0.66900 1  
## 285 -3.443 0.868000 2.04e-01 0.00e+00 0.79100 1  
## 286 -8.247 0.686000 3.06e-02 0.00e+00 0.27400 1  
## 287 -5.367 0.939000 6.07e-04 9.28e-01 0.03980 3  
## 288 -6.468 0.920000 2.69e-01 7.98e-01 0.07390 3  
## 289 -7.286 0.410000 6.31e-01 0.00e+00 0.38300 1  
## 290 -15.936 0.361000 7.18e-03 8.37e-01 0.34200 3  
## 291 -11.586 0.356000 3.47e-01 1.59e-02 0.25900 1  
## 292 -4.121 0.888000 9.75e-03 0.00e+00 0.59800 1  
## 293 -11.589 0.192000 5.43e-01 0.00e+00 0.81400 1  
## 294 -5.219 0.808000 4.73e-01 0.00e+00 0.78400 1  
## 295 -5.552 0.788000 5.48e-01 0.00e+00 0.86400 1  
## 296 -6.586 0.827000 1.30e-01 2.21e-05 0.40900 1  
## 297 -6.283 0.910000 4.87e-01 0.00e+00 0.52000 1  
## 298 -7.017 0.769000 1.16e-03 9.56e-03 0.24100 1  
## 299 -25.702 0.091000 4.17e-01 9.73e-01 0.03510 4  
## 300 -4.885 0.701000 1.19e-01 0.00e+00 0.29500 1  
## 301 -7.444 0.906000 1.24e-04 9.15e-01 0.47300 3  
## 302 -7.534 0.709000 6.23e-01 0.00e+00 0.94600 1  
## 303 -4.887 0.647000 3.21e-01 0.00e+00 0.36800 1  
## 304 -6.113 0.953000 1.36e-03 1.97e-03 0.12000 1  
## 305 -7.155 0.483000 4.81e-01 0.00e+00 0.30600 1  
## 306 -2.832 0.916000 5.94e-03 0.00e+00 0.84100 1  
## 307 -23.966 0.034900 9.92e-01 9.49e-01 0.11700 4  
## 308 -3.771 0.919000 2.34e-03 3.13e-04 0.25900 1  
## 309 -26.660 0.026800 9.95e-01 8.09e-01 0.36200 4  
## 310 -9.619 0.862000 1.11e-06 9.42e-01 0.13500 3  
## 311 -6.291 0.886000 6.89e-03 7.21e-05 0.96800 1  
## 312 -10.729 0.465000 5.81e-01 1.84e-01 0.41200 2  
## 313 -7.411 0.525000 1.73e-01 1.25e-02 0.40200 1  
## 314 -8.622 0.870000 7.63e-02 9.17e-01 0.10900 3  
## 315 -14.605 0.232000 7.85e-01 5.48e-04 0.39800 2  
## 316 -3.633 0.889000 1.90e-01 0.00e+00 0.62500 1  
## 317 -14.937 0.207000 8.62e-01 3.46e-02 0.28800 2  
## 318 -3.437 0.419000 8.04e-01 0.00e+00 0.40400 2  
## 319 -8.561 0.429000 5.10e-01 7.85e-06 0.14800 1  
## 320 -6.092 0.470000 2.91e-01 0.00e+00 0.32500 1  
## 321 -12.572 0.545000 3.83e-01 2.90e-06 0.47000 1  
## 322 -8.538 0.421000 8.11e-01 0.00e+00 0.39600 2  
## 323 -20.130 0.280000 9.73e-01 9.17e-01 0.03340 4  
## 324 -5.757 0.651000 1.40e-01 0.00e+00 0.55200 1  
## 325 -6.275 0.466000 3.00e-01 0.00e+00 0.57100 1  
## 326 -5.846 0.824000 1.60e-04 1.61e-03 0.53900 1  
## 327 -18.011 0.190000 9.87e-01 9.11e-01 0.17400 4  
## 328 -3.661 0.919000 2.03e-01 3.05e-04 0.73900 1  
## 329 -10.325 0.596000 2.26e-01 1.17e-05 0.79400 1  
## 330 -11.893 0.327000 8.55e-01 0.00e+00 0.15400 2  
## 331 -12.876 0.783000 1.72e-01 3.46e-02 0.95200 1  
## 332 -4.696 0.960000 3.39e-02 0.00e+00 0.91600 1  
## 333 -9.224 0.625000 7.58e-02 6.45e-01 0.14800 3  
## 334 -2.270 0.997000 2.32e-03 1.59e-03 0.07020 1  
## 335 -2.407 0.916000 1.91e-02 6.96e-04 0.75400 1  
## 336 -6.153 0.898000 1.53e-02 5.35e-04 0.83100 1  
## 337 -9.601 0.429000 1.78e-01 6.01e-05 0.08890 1  
## 338 -10.397 0.588000 6.61e-02 7.65e-03 0.69300 1  
## 339 -7.299 0.435000 2.62e-01 0.00e+00 0.31200 1  
## 340 -11.569 0.832000 1.75e-04 1.51e-02 0.34300 1  
## 341 -9.091 0.280000 9.36e-01 1.56e-05 0.81300 2  
## 342 -9.236 0.549000 2.57e-01 3.39e-06 0.19300 1  
## 343 -12.379 0.590000 8.20e-01 8.34e-01 0.72200 4  
## 344 -16.848 0.145000 9.54e-01 9.34e-01 0.61100 4  
## 345 -4.236 0.909000 1.75e-02 0.00e+00 0.81400 1  
## 346 -3.988 0.933000 2.22e-01 2.51e-06 0.63000 1  
## 347 -6.162 0.904000 8.72e-02 3.96e-05 0.86600 1  
## 348 -5.744 0.823000 1.78e-02 0.00e+00 0.96200 1  
## 349 -7.383 0.584000 1.64e-01 0.00e+00 0.61600 1  
## 350 -5.577 0.929000 3.18e-02 4.08e-02 0.47600 1  
## 351 -18.677 0.143000 9.75e-01 8.52e-01 0.70800 4  
## 352 -10.174 0.556000 9.36e-01 1.20e-03 0.84200 2  
## 353 -5.019 0.641000 3.68e-01 0.00e+00 0.25300 1  
## 354 -5.167 0.609000 7.74e-01 0.00e+00 0.58100 2  
## 355 -9.251 0.434000 8.43e-01 0.00e+00 0.54200 2  
## 356 -12.670 0.858000 5.27e-03 2.44e-04 0.81200 1  
## 357 -6.354 0.740000 5.45e-02 1.05e-04 0.62200 1  
## 358 -3.971 0.968000 3.50e-06 4.61e-05 0.47600 1  
## 359 -3.720 0.888000 4.55e-04 0.00e+00 0.38700 1  
## 360 -4.660 0.839000 3.64e-02 0.00e+00 0.82700 1  
## 361 -12.913 0.280000 8.52e-01 1.47e-06 0.37300 2  
## 362 -6.363 0.697000 3.85e-01 0.00e+00 0.81400 1  
## 363 -5.934 0.745000 6.94e-01 0.00e+00 0.36700 2  
## 364 -9.000 0.573000 2.01e-01 2.07e-04 0.53900 1  
## 365 -10.035 0.561000 7.63e-02 3.23e-03 0.74900 1  
## 366 -2.884 0.906000 3.68e-05 1.10e-04 0.48000 1  
## 367 -8.699 0.628000 7.22e-02 0.00e+00 0.94800 1  
## 368 -10.425 0.675000 8.50e-03 8.83e-01 0.21000 3  
## 369 -4.547 0.930000 2.11e-01 2.91e-06 0.75400 1  
## 370 -16.253 0.052900 8.81e-01 0.00e+00 0.31400 2  
## 371 -4.302 0.992000 5.93e-06 3.78e-03 0.17600 1  
## 372 -11.376 0.915000 1.90e-01 9.04e-01 0.23900 3  
## 373 -3.199 0.916000 2.60e-01 0.00e+00 0.91200 1  
## 374 -8.156 0.567000 3.44e-01 0.00e+00 0.63200 1  
## 375 -5.524 0.833000 7.74e-02 7.82e-05 0.96300 1  
## 376 -4.197 0.868000 2.58e-01 1.08e-06 0.71400 1  
## 377 -8.271 0.665000 1.05e-01 0.00e+00 0.84100 1  
## 378 -6.053 0.961000 6.73e-05 7.07e-01 0.29600 3  
## 379 -6.908 0.441000 1.98e-01 0.00e+00 0.95200 1  
## 380 -3.437 0.983000 2.63e-04 0.00e+00 0.51300 1  
## 381 -3.839 0.984000 1.30e-05 4.12e-05 0.12900 1  
## 382 -9.010 0.705000 9.74e-02 9.69e-01 0.76600 3  
## 383 -14.994 0.268000 7.03e-01 2.26e-01 0.47100 2  
## 384 -6.253 0.826000 2.87e-02 2.64e-06 0.03990 1  
## 385 -12.885 0.348000 9.55e-01 9.37e-01 0.36400 4  
## 386 -10.640 0.488000 2.58e-01 0.00e+00 0.35400 1  
## 387 -6.676 0.723000 9.02e-02 1.83e-03 0.30600 1  
## 388 -4.759 0.938000 3.01e-03 1.53e-04 0.35700 1  
## 389 -10.174 0.536000 1.99e-03 4.19e-01 0.74800 3  
## 390 -5.615 0.744000 7.44e-01 0.00e+00 0.90500 1  
## 391 -6.758 0.439000 1.45e-02 6.84e-01 0.40000 3  
## 392 -13.074 0.196000 8.87e-01 3.97e-04 0.11600 2  
## 393 -8.999 0.343000 6.78e-01 0.00e+00 0.40600 1  
## 394 -6.378 0.428000 2.10e-01 1.93e-01 0.18700 1  
## 395 -11.246 0.628000 3.14e-02 1.37e-06 0.78800 1  
## 396 -4.146 0.907000 5.24e-01 2.53e-05 0.60000 1  
## 397 -10.530 0.488000 7.33e-01 0.00e+00 0.50500 2  
## 398 -10.590 0.875000 3.58e-02 0.00e+00 0.49700 1  
## 399 -16.804 0.402000 7.31e-01 1.53e-01 0.63300 2  
## 400 -3.936 0.949000 4.16e-04 0.00e+00 0.60100 1  
## 401 -5.071 0.682000 2.67e-02 6.69e-04 0.35100 1  
## 402 -17.092 0.142000 9.87e-01 9.64e-01 0.03790 4  
## 403 -13.587 0.334000 9.75e-02 8.25e-01 0.65400 3  
## 404 -7.689 0.827000 4.65e-04 1.85e-02 0.96300 1  
## 405 -23.067 0.128000 8.49e-01 1.34e-05 0.06300 2  
## 406 -6.221 0.495000 4.52e-01 0.00e+00 0.38600 1  
## 407 -10.832 0.840000 1.92e-01 8.68e-01 0.09510 3  
## 408 -25.941 0.110000 9.91e-01 8.48e-01 0.89000 4  
## 409 -10.173 0.238000 9.90e-01 2.61e-01 0.71000 2  
## 410 -7.142 0.933000 1.21e-04 7.71e-01 0.70200 3  
## 411 -15.177 0.446000 4.49e-01 0.00e+00 0.87800 1  
## 412 -11.469 0.605000 9.44e-01 2.40e-02 0.70600 2  
## 413 -42.631 0.076500 9.89e-01 9.54e-01 0.33600 4  
## 414 -17.741 0.074000 8.53e-01 7.28e-06 0.24400 2  
## 415 -8.096 0.921000 3.85e-01 0.00e+00 0.67800 1  
## 416 -12.927 0.322000 4.74e-01 4.06e-03 0.27000 1  
## 417 -5.202 0.766000 4.65e-04 7.25e-06 0.19000 1  
## 418 -16.101 0.205000 6.98e-01 0.00e+00 0.30900 2  
## 419 -5.819 0.817000 3.37e-01 0.00e+00 0.90300 1  
## 420 -9.146 0.518000 6.53e-01 5.31e-01 0.37400 4  
## 421 -3.386 0.952000 2.06e-01 0.00e+00 0.91400 1  
## 422 -23.609 0.071300 9.87e-01 9.29e-01 0.14800 4  
## 423 -10.426 0.397000 1.32e-01 9.48e-01 0.29600 3  
## 424 -5.420 0.884000 4.04e-01 1.74e-01 0.05840 1  
## 425 -10.919 0.514000 4.11e-01 0.00e+00 0.79000 1  
## 426 -6.807 0.678000 8.97e-03 0.00e+00 0.63000 1  
## 427 -9.155 0.961000 8.48e-04 7.71e-01 0.08900 3  
## 428 -14.398 0.284000 2.88e-01 8.97e-01 0.04360 3  
## 429 -6.549 0.691000 3.05e-02 2.98e-04 0.22000 1  
## 430 -8.438 0.882000 2.35e-01 0.00e+00 0.52300 1  
## 431 -4.260 0.998000 1.34e-05 1.14e-02 0.03680 1  
## 432 -8.041 0.918000 1.46e-04 8.45e-01 0.51000 3  
## 433 -4.487 0.852000 7.74e-03 2.60e-06 0.42800 1  
## 434 -9.582 0.697000 1.30e-01 0.00e+00 0.55100 1  
## 435 -5.648 0.558000 8.60e-01 1.01e-04 0.37000 2  
## 436 -4.898 0.754000 5.68e-01 0.00e+00 0.69600 1  
## 437 -9.724 0.864000 1.78e-04 8.01e-01 0.56700 3  
## 438 -11.000 0.697000 3.35e-05 8.21e-01 0.65400 3  
## 439 -5.102 0.872000 1.52e-01 0.00e+00 0.59600 1  
## 440 -14.860 0.411000 3.23e-01 3.93e-05 0.26100 1  
## 441 -9.391 0.429000 4.12e-01 2.49e-06 0.89700 1  
## 442 -8.423 0.571000 6.92e-01 2.01e-06 0.39900 1  
## 443 -5.008 0.882000 1.82e-02 0.00e+00 0.59400 1  
## 444 -10.911 0.716000 1.82e-02 1.70e-01 0.96300 1  
## 445 -11.164 0.496000 3.09e-02 8.36e-05 0.71700 1  
## 446 -7.791 0.623000 7.32e-01 3.17e-03 0.55600 2  
## 447 -16.740 0.156000 9.63e-01 0.00e+00 0.12800 2  
## 448 -8.363 0.645000 5.43e-01 0.00e+00 0.90100 1  
## 449 -8.470 0.521000 7.99e-03 2.94e-01 0.70700 3  
## 450 -4.240 0.867000 1.36e-01 3.06e-06 0.91300 1  
## 451 -10.537 0.609000 3.75e-03 1.91e-02 0.91300 1  
## 452 -8.328 0.749000 2.65e-01 1.18e-06 0.84800 1  
## 453 -6.392 0.539000 3.84e-02 0.00e+00 0.23500 1  
## 454 -22.375 0.998000 1.26e-01 9.89e-01 0.00001 3  
## 455 -12.935 0.430000 3.95e-01 1.01e-06 0.53700 1  
## 456 -7.844 0.351000 7.13e-01 0.00e+00 0.45700 2  
## 457 -11.214 0.414000 1.45e-01 1.23e-04 0.40100 1  
## 458 -3.600 0.994000 6.36e-06 7.48e-01 0.03180 3  
## 459 -3.157 0.849000 2.23e-05 2.12e-04 0.26600 1  
## 460 -27.259 0.104000 6.07e-01 9.56e-01 0.07010 4  
## 461 -10.264 0.761000 2.62e-06 9.69e-01 0.50600 3  
## 462 -10.497 0.414000 9.36e-01 3.34e-04 0.35800 2  
## 463 -12.474 0.298000 7.54e-01 4.60e-01 0.23200 4  
## 464 -12.716 0.298000 9.34e-01 0.00e+00 0.37300 2  
## 465 -13.308 0.197000 9.50e-01 7.39e-06 0.68900 2  
## 466 -6.024 0.693000 2.08e-01 0.00e+00 0.24500 1  
## 467 -9.514 0.578000 4.69e-02 1.93e-03 0.48500 1  
## 468 -7.956 0.684000 6.22e-02 2.58e-03 0.39300 1  
## 469 -2.441 0.829000 6.01e-02 3.42e-06 0.69800 1  
## 470 -7.179 0.826000 3.22e-02 6.29e-03 0.94500 1  
## 471 -6.183 0.808000 1.21e-02 8.78e-01 0.30300 3  
## 472 -3.155 0.995000 4.06e-02 1.01e-06 0.68600 1  
## 473 -7.950 0.673000 2.59e-01 7.62e-06 0.77900 1  
## 474 -1.134 0.874000 1.50e-01 1.54e-06 0.67100 1  
## 475 -4.515 0.719000 2.67e-03 0.00e+00 0.34500 1  
## 476 -5.631 0.505000 4.75e-01 1.68e-05 0.23900 1  
## 477 -12.831 0.358000 1.32e-01 7.24e-05 0.78100 1  
## 478 -11.529 0.387000 7.42e-01 4.06e-04 0.83200 2  
## 479 -7.074 0.754000 5.09e-03 8.69e-01 0.12800 3  
## 480 -14.474 0.268000 7.56e-04 5.44e-02 0.06150 1  
## 481 -16.001 0.324000 2.04e-01 0.00e+00 0.57000 1  
## 482 -14.366 0.295000 2.44e-01 9.13e-01 0.08190 3  
## 483 -11.573 0.595000 3.74e-01 8.05e-01 0.64400 3  
## 484 -10.022 0.531000 1.06e-02 0.00e+00 0.13900 1  
## 485 -10.574 0.217000 8.81e-01 0.00e+00 0.47900 2  
## 486 -23.347 0.187000 9.78e-01 1.59e-01 0.22500 2  
## 487 -3.033 0.983000 6.66e-03 0.00e+00 0.58900 1  
## 488 -8.985 0.526000 6.17e-04 1.68e-01 0.51900 1  
## 489 -7.845 0.632000 6.08e-01 3.64e-03 0.79200 1  
## 490 -5.670 0.872000 5.90e-01 0.00e+00 0.94200 1  
## 491 -4.418 0.833000 1.78e-01 4.79e-06 0.33900 1  
## 492 -24.807 0.435000 6.33e-01 1.93e-01 0.64400 2  
## 493 -19.495 0.190000 6.80e-01 9.24e-01 0.03800 4  
## 494 -10.465 0.524000 9.43e-01 9.70e-01 0.95400 4  
## 495 -7.724 0.609000 3.59e-01 0.00e+00 0.09880 1  
## 496 -8.552 0.481000 2.46e-01 0.00e+00 0.44300 1  
## 497 -18.774 0.109000 8.20e-01 0.00e+00 0.55800 2  
## 498 -13.787 0.466000 6.36e-01 6.12e-01 0.70600 4  
## 499 -12.196 0.730000 3.07e-01 2.46e-05 0.51900 1  
## 500 -3.288 0.953000 2.69e-06 7.67e-01 0.28500 3  
## 501 -4.431 0.620000 1.74e-02 5.00e-05 0.47400 1  
## 502 -12.878 0.647000 1.08e-01 1.39e-03 0.80400 1  
## 503 -1.730 0.900000 1.92e-02 0.00e+00 0.70600 1  
## 504 -4.209 0.912000 2.66e-01 0.00e+00 0.41700 1  
## 505 -4.683 0.697000 1.21e-01 0.00e+00 0.24000 1  
## 506 -4.671 0.572000 6.87e-01 0.00e+00 0.69700 1  
## 507 -14.443 0.336000 7.06e-03 6.66e-01 0.12700 3  
## 508 -4.436 0.834000 1.72e-02 2.29e-04 0.90400 1  
## 509 -13.359 0.262000 9.04e-01 7.94e-03 0.06490 2  
## 510 -5.579 0.810000 6.37e-04 7.48e-02 0.28800 1  
## 511 -8.577 0.511000 2.98e-01 0.00e+00 0.11300 1  
## 512 -14.460 0.212000 9.19e-01 1.11e-03 0.56100 2  
## 513 -6.802 0.625000 5.06e-01 0.00e+00 0.85500 1  
## 514 -8.113 0.603000 4.64e-01 0.00e+00 0.28500 1  
## 515 -3.488 0.919000 7.37e-02 3.39e-04 0.80400 1  
## 516 -2.684 0.890000 1.19e-02 5.97e-05 0.39400 1  
## 517 -8.506 0.750000 2.20e-01 0.00e+00 0.52500 1  
## 518 -14.207 0.346000 6.01e-01 1.31e-02 0.45900 1  
## 519 -5.342 0.660000 3.67e-02 6.40e-05 0.61700 1  
## 520 -9.460 0.574000 4.04e-01 0.00e+00 0.37400 1  
## 521 -6.177 0.728000 1.78e-01 0.00e+00 0.59400 1  
## 522 -4.030 0.932000 9.29e-03 1.34e-06 0.24800 1  
## 523 -5.693 0.701000 8.92e-03 3.09e-01 0.35600 3  
## 524 -8.004 0.624000 5.01e-01 0.00e+00 0.72500 1  
## 525 -7.576 0.725000 1.88e-01 0.00e+00 0.76300 1  
## 526 -5.220 0.889000 4.30e-05 9.07e-03 0.14100 1  
## 527 -10.702 0.326000 9.02e-01 1.39e-05 0.25100 2  
## 528 -7.897 0.467000 9.54e-03 0.00e+00 0.14200 1  
## 529 -5.253 0.890000 3.19e-02 1.08e-03 0.73000 1  
## 530 -6.884 0.564000 9.98e-02 3.28e-05 0.27100 1  
## 531 -9.373 0.650000 7.33e-01 2.84e-02 0.96100 1  
## 532 -10.417 0.429000 8.26e-01 8.17e-01 0.11200 4  
## 533 -7.442 0.583000 5.24e-01 4.05e-06 0.23200 1  
## 534 -19.658 0.374000 7.54e-01 8.75e-01 0.64100 4  
## 535 -4.402 0.878000 3.56e-01 0.00e+00 0.83900 1  
## 536 -10.390 0.334000 6.95e-01 5.42e-05 0.25600 2  
## 537 -6.558 0.802000 3.67e-01 0.00e+00 0.83300 1  
## 538 -4.726 0.738000 2.25e-01 0.00e+00 0.62400 1  
## 539 -15.552 0.226000 9.30e-01 1.03e-05 0.65700 2  
## 540 -6.923 0.662000 5.10e-01 1.98e-04 0.54200 1  
## 541 -12.285 0.541000 7.69e-01 0.00e+00 0.84400 2  
## 542 -8.167 0.671000 6.94e-01 0.00e+00 0.86000 1  
## 543 -9.073 0.511000 3.53e-01 7.66e-01 0.11500 3  
## 544 -17.342 0.134000 9.93e-01 9.21e-01 0.06800 4  
## 545 -9.654 0.530000 3.15e-02 1.23e-04 0.75100 1  
## 546 -8.845 0.567000 3.15e-01 0.00e+00 0.18600 1  
## 547 -4.454 0.913000 2.80e-03 2.08e-02 0.34100 1  
## 548 -12.501 0.342000 6.17e-01 1.61e-04 0.49700 1  
## 549 -5.835 0.615000 1.02e-01 2.56e-01 0.53500 1  
## 550 -5.253 0.844000 1.81e-05 1.96e-03 0.65800 1  
## 551 -5.119 0.940000 7.69e-04 9.42e-05 0.36900 1  
## 552 -2.734 0.906000 3.44e-01 0.00e+00 0.85100 1  
## 553 -21.549 0.165000 7.35e-02 7.78e-01 0.03740 3  
## 554 -5.565 0.703000 1.92e-02 0.00e+00 0.66200 1  
## 555 -7.771 0.414000 1.82e-03 2.10e-03 0.18000 1  
## 556 -7.745 0.804000 7.06e-03 4.34e-04 0.59900 1  
## 557 -5.951 0.782000 4.71e-02 6.70e-05 0.80500 1  
## 558 -2.897 0.991000 5.26e-03 0.00e+00 0.75400 1  
## 559 -2.843 0.979000 1.74e-01 2.88e-04 0.78300 1  
## 560 -1.449 0.945000 3.13e-02 1.61e-04 0.55500 1  
## 561 -23.672 0.208000 9.22e-01 6.13e-01 0.14500 4  
## 562 -3.153 0.960000 7.79e-04 0.00e+00 0.26300 1  
## 563 -5.076 0.680000 1.10e-01 0.00e+00 0.43800 1  
## 564 -15.143 0.181000 8.88e-01 4.99e-04 0.10600 2  
## 565 -13.445 0.818000 2.52e-03 8.19e-01 0.19300 3  
## 566 -12.578 0.337000 8.55e-01 0.00e+00 0.48600 2  
## 567 -4.141 0.861000 3.18e-01 1.82e-03 0.58000 1  
## 568 -9.760 0.674000 1.00e-04 8.62e-01 0.26700 3  
## 569 -6.363 0.499000 5.78e-01 0.00e+00 0.28800 1  
## 570 -4.919 0.884000 2.37e-01 0.00e+00 0.78100 1  
## 571 -5.749 0.802000 6.47e-03 7.78e-02 0.38300 1  
## 572 -5.079 0.810000 7.25e-02 3.69e-01 0.21000 3  
## 573 -12.989 0.210000 8.84e-01 0.00e+00 0.30500 2  
## 574 -7.558 0.844000 1.56e-02 7.04e-01 0.03840 3  
## 575 -11.218 0.177000 9.38e-01 8.49e-05 0.44900 2  
## 576 -11.566 0.137000 9.51e-01 1.35e-05 0.36300 2  
## 577 -7.110 0.800000 7.69e-02 2.67e-02 0.38100 1  
## 578 -4.002 0.709000 6.46e-01 0.00e+00 0.81700 1  
## 579 -16.685 0.272000 9.68e-01 9.06e-02 0.13800 2  
## 580 -4.436 0.976000 9.17e-04 7.07e-06 0.61700 1  
## 581 -9.513 0.387000 7.48e-01 5.59e-04 0.15300 2  
## 582 -10.341 0.294000 8.59e-01 6.22e-05 0.53000 2  
## 583 -5.208 0.990000 1.57e-01 8.02e-01 0.25200 3  
## 584 -5.985 0.715000 4.30e-01 0.00e+00 0.46500 1  
## 585 -4.808 0.953000 3.11e-03 3.02e-04 0.24100 1  
## 586 -8.689 0.538000 1.83e-01 9.99e-01 0.24100 3  
## 587 -5.898 0.620000 4.24e-02 0.00e+00 0.52800 1  
## 588 -10.077 0.473000 8.01e-01 8.39e-04 0.20900 2  
## 589 -5.575 0.701000 9.21e-02 5.58e-01 0.26500 3  
## 590 -4.911 0.827000 2.12e-01 0.00e+00 0.69000 1  
## 591 -5.666 0.913000 4.80e-01 0.00e+00 0.83300 1  
## 592 -8.913 0.492000 5.99e-01 7.06e-06 0.61300 2  
## 593 -8.647 0.644000 7.76e-01 0.00e+00 0.45100 2  
## 594 -8.545 0.552000 3.74e-01 0.00e+00 0.64700 1  
## 595 -23.408 0.076800 9.60e-01 8.24e-01 0.07000 4  
## 596 -9.384 0.370000 8.29e-01 9.76e-04 0.27400 2  
## 597 -16.943 0.519000 1.00e-03 2.57e-01 0.87400 3  
## 598 -11.148 0.181000 9.40e-01 0.00e+00 0.25900 2  
## 599 -8.603 0.502000 3.76e-01 5.16e-06 0.19600 1  
## 600 -3.214 0.929000 2.59e-04 2.26e-06 0.59000 1  
## 601 -13.587 0.768000 7.95e-03 4.35e-03 0.86000 1  
## 602 -4.086 0.663000 2.16e-02 3.56e-04 0.52500 1  
## 603 -6.492 0.670000 3.94e-01 0.00e+00 0.87200 1  
## 604 -7.258 0.905000 1.99e-04 9.41e-01 0.47300 3  
## 605 -3.572 0.799000 3.62e-01 0.00e+00 0.66100 1  
## 606 -13.208 0.343000 7.13e-01 1.23e-05 0.98100 1  
## 607 -20.484 0.224000 9.87e-01 8.78e-01 0.15600 4  
## 608 -4.835 0.917000 3.10e-06 5.08e-01 0.47400 3  
## 609 -4.869 0.907000 2.29e-02 0.00e+00 0.66000 1  
## 610 -9.797 0.564000 7.07e-01 0.00e+00 0.61600 2  
## 611 -10.163 0.636000 6.97e-03 2.32e-03 0.72600 1  
## 612 -5.905 0.641000 5.34e-01 0.00e+00 0.25200 1  
## 613 -4.693 0.784000 7.81e-03 0.00e+00 0.84600 1  
## 614 -13.686 0.752000 1.03e-02 6.53e-03 0.39000 1  
## 615 -6.568 0.962000 1.11e-06 8.98e-01 0.29400 3  
## 616 -12.735 0.687000 4.17e-03 4.32e-01 0.43900 3  
## 617 -15.900 0.461000 6.75e-01 8.96e-01 0.15000 4  
## 618 -26.015 0.091200 9.44e-01 9.34e-01 0.11700 4  
## 619 -6.743 0.698000 4.09e-01 1.60e-04 0.68700 1  
## 620 -5.318 0.790000 1.20e-05 9.01e-01 0.15000 3  
## 621 -6.096 0.850000 5.47e-01 2.56e-06 0.96600 1  
## 622 -5.137 0.891000 8.79e-02 3.04e-04 0.64000 1  
## 623 -12.484 0.340000 8.29e-01 5.45e-03 0.31500 2  
## 624 -7.574 0.387000 4.63e-01 8.33e-01 0.11900 3  
## 625 -7.775 0.786000 7.13e-01 0.00e+00 0.83600 1  
## 626 -9.869 0.527000 4.65e-01 0.00e+00 0.96700 1  
## 627 -3.847 0.892000 3.17e-05 5.39e-05 0.45400 1  
## 628 -7.165 0.531000 1.88e-01 3.58e-01 0.38800 1  
## 629 -19.777 0.029800 9.86e-01 8.93e-01 0.18300 4  
## 630 -9.084 0.411000 5.12e-01 3.26e-02 0.19100 1  
## 631 -12.225 0.557000 2.27e-01 1.11e-03 0.79600 1  
## 632 -6.669 0.939000 4.03e-01 0.00e+00 0.62000 1  
## 633 -3.307 0.980000 1.18e-03 5.06e-06 0.32700 1  
## 634 -5.181 0.773000 2.80e-02 0.00e+00 0.27400 1  
## 635 -5.634 0.919000 4.20e-03 0.00e+00 0.85600 1  
## 636 -4.679 0.966000 3.29e-04 6.10e-05 0.21500 1  
## 637 -11.092 0.405000 6.56e-01 0.00e+00 0.49700 2  
## 638 -27.093 0.005350 9.55e-01 1.00e+00 0.00001 4  
## 639 -14.760 0.290000 6.11e-01 9.11e-01 0.03940 4  
## 640 -3.865 0.880000 4.04e-01 1.91e-04 0.75800 1  
## 641 -6.466 0.687000 1.55e-01 9.28e-05 0.65100 1  
## 642 -6.244 0.741000 6.17e-01 0.00e+00 0.63600 1  
## 643 -3.982 0.915000 4.82e-01 0.00e+00 0.50100 1  
## 644 -8.743 0.880000 2.41e-02 9.31e-01 0.05310 3  
## 645 -6.510 0.724000 1.27e-01 1.40e-03 0.50700 1  
## 646 -5.772 0.781000 1.03e-01 0.00e+00 0.49400 1  
## 647 -7.238 0.593000 2.57e-02 9.47e-01 0.47500 3  
## 648 -2.214 0.960000 6.64e-05 4.01e-05 0.46100 1  
## 649 -9.304 0.344000 6.02e-01 0.00e+00 0.40700 1  
## 650 -17.024 0.084500 9.92e-01 9.36e-01 0.18300 4  
## 651 -5.555 0.935000 5.06e-06 1.53e-04 0.30700 1  
## 652 -12.691 0.633000 7.82e-01 8.41e-01 0.50600 4  
## 653 -3.468 0.610000 2.17e-01 0.00e+00 0.59600 1  
## 654 -3.245 0.942000 3.90e-04 6.36e-06 0.24200 1  
## 655 -9.085 0.616000 8.53e-01 3.86e-05 0.43500 2  
## 656 -11.224 0.599000 1.83e-02 3.54e-01 0.17100 3  
## 657 -4.148 0.742000 3.50e-02 0.00e+00 0.60500 1  
## 658 -14.289 0.468000 3.03e-03 9.14e-01 0.18800 3  
## 659 -12.631 0.821000 3.67e-01 7.16e-01 0.15000 3  
## 660 -11.745 0.587000 3.38e-01 3.44e-01 0.57900 4  
## 661 -13.557 0.337000 1.54e-01 3.97e-01 0.67700 3  
## 662 -10.594 0.290000 9.01e-01 9.33e-05 0.67100 2  
## 663 -4.329 0.845000 1.33e-01 1.87e-05 0.83000 1  
## 664 -3.224 0.806000 3.59e-01 0.00e+00 0.65600 1  
## 665 -2.495 0.970000 4.60e-02 0.00e+00 0.48300 1  
## 666 -4.760 0.728000 7.18e-01 0.00e+00 0.67700 1  
## 667 -2.138 0.960000 2.42e-01 0.00e+00 0.84100 1  
## 668 -5.877 0.876000 1.94e-01 1.86e-06 0.67600 1  
## 669 -12.259 0.590000 3.02e-01 8.79e-01 0.87200 3  
## 670 -5.065 0.828000 1.36e-01 3.28e-02 0.80600 1  
## 671 -10.079 0.406000 8.45e-01 9.85e-04 0.66400 2  
## 672 -16.777 0.164000 9.78e-01 3.84e-01 0.09300 4  
## 673 -7.571 0.472000 2.05e-02 5.07e-06 0.50000 1  
## 674 -3.741 0.878000 1.83e-01 0.00e+00 0.54200 1  
## 675 -7.123 0.822000 9.89e-04 1.14e-01 0.60100 1  
## 676 -15.239 0.277000 5.31e-01 8.43e-01 0.07840 3  
## 677 -11.722 0.314000 4.68e-01 8.74e-01 0.16700 3  
## 678 -16.524 0.178000 5.92e-01 0.00e+00 0.26200 1  
## 679 -9.795 0.315000 9.49e-01 2.02e-01 0.06060 2  
## 680 -2.243 0.912000 6.12e-02 0.00e+00 0.82400 1  
## 681 -4.601 0.536000 6.41e-01 0.00e+00 0.40900 1  
## 682 -23.069 0.144000 9.90e-01 6.98e-01 0.17200 4  
## 683 -13.521 0.400000 5.38e-01 3.65e-05 0.82300 1  
## 684 -5.327 0.978000 8.55e-05 1.41e-04 0.55800 1  
## 685 -3.603 0.918000 3.87e-01 0.00e+00 0.73800 1  
## 686 -8.514 0.763000 1.50e-02 4.81e-03 0.43100 1  
## 687 -4.867 0.836000 2.02e-03 0.00e+00 0.30300 1  
## 688 -3.464 0.854000 1.33e-01 8.09e-06 0.79200 1  
## 689 -6.259 0.923000 7.71e-01 0.00e+00 0.37100 2  
## 690 -4.540 0.706000 6.38e-01 0.00e+00 0.79000 1  
## 691 -3.904 0.974000 3.91e-01 2.78e-05 0.39000 1  
## 692 -26.860 0.018900 9.67e-01 8.95e-01 0.16700 4  
## 693 -6.658 0.834000 1.42e-01 1.07e-03 0.83400 1  
## 694 -6.291 0.830000 7.37e-01 0.00e+00 0.81200 1  
## 695 -5.111 0.940000 2.45e-03 5.50e-03 0.09960 1  
## 696 -7.724 0.424000 4.98e-01 0.00e+00 0.25600 1  
## 697 -8.379 0.446000 7.56e-01 8.16e-01 0.18000 4  
## 698 -13.388 0.527000 3.83e-01 9.03e-01 0.26400 3  
## 699 -8.171 0.464000 3.45e-01 9.15e-01 0.43600 3  
## 700 -7.861 0.731000 1.64e-01 3.83e-04 0.22400 1  
## 701 -11.080 0.506000 3.19e-01 4.56e-01 0.25200 4  
## 702 -5.263 0.844000 7.91e-04 9.54e-05 0.14100 1  
## 703 -8.277 0.696000 8.50e-02 1.60e-05 0.82200 1  
## 704 -7.265 0.601000 2.50e-01 3.22e-06 0.16700 1  
## 705 -5.771 0.908000 5.55e-02 1.04e-06 0.41900 1  
## 706 -3.921 0.983000 2.38e-04 4.89e-06 0.66100 1  
## 707 -4.275 0.869000 1.42e-02 2.41e-03 0.18500 1  
## 708 -4.748 0.914000 1.06e-03 0.00e+00 0.34500 1  
## 709 -4.150 0.977000 5.39e-04 0.00e+00 0.42700 1  
## 710 -9.291 0.621000 6.89e-01 9.63e-01 0.19300 4  
## 711 -28.822 0.094900 9.85e-01 8.83e-01 0.02930 4  
## 712 -12.221 0.076700 9.79e-01 0.00e+00 0.33300 2  
## 713 -8.796 0.714000 1.27e-02 9.03e-01 0.65600 3  
## 714 -4.165 0.925000 1.28e-04 2.38e-04 0.24500 1  
## 715 -16.053 0.967000 8.67e-03 0.00e+00 0.03890 1  
## 716 -13.358 0.311000 9.80e-01 0.00e+00 0.26900 2  
## 717 -25.641 0.194000 8.49e-01 0.00e+00 0.33200 1  
## 718 -7.181 0.532000 6.02e-01 5.74e-06 0.25600 1  
## 719 -10.564 0.478000 7.36e-02 4.52e-06 0.19200 1  
## 720 -5.882 0.974000 2.65e-03 1.28e-04 0.94300 1  
## 721 -10.609 0.408000 2.70e-01 6.53e-06 0.17000 1  
## 722 -20.259 0.031900 9.89e-01 9.43e-01 0.04300 4  
## 723 -5.038 0.832000 1.11e-01 0.00e+00 0.34000 1  
## 724 -2.548 0.862000 2.01e-01 0.00e+00 0.91700 1  
## 725 -8.160 0.346000 7.86e-01 0.00e+00 0.58000 2  
## 726 -4.804 0.944000 2.25e-03 2.76e-01 0.45400 1  
## 727 -3.706 0.786000 2.13e-01 0.00e+00 0.79000 1  
## 728 -6.553 0.845000 3.24e-02 0.00e+00 0.61300 1  
## 729 -3.282 0.948000 2.95e-01 0.00e+00 0.88300 1  
## 730 -10.468 0.294000 9.92e-01 1.47e-01 0.62300 2  
## 731 -14.911 0.398000 5.49e-01 1.05e-01 0.17400 1  
## 732 -3.629 0.908000 2.93e-04 5.65e-06 0.33600 1  
## 733 -4.448 0.774000 1.30e-02 0.00e+00 0.70500 1  
## 734 -4.662 0.905000 3.67e-02 1.41e-05 0.38300 1  
## 735 -6.156 0.419000 3.09e-01 0.00e+00 0.37300 1  
## 736 -11.316 0.602000 3.51e-02 8.19e-01 0.66200 3  
## 737 -24.504 0.058800 9.92e-01 9.06e-01 0.03440 4  
## 738 -9.573 0.207000 6.08e-01 0.00e+00 0.26400 1  
## 739 -5.586 0.771000 9.13e-02 0.00e+00 0.90300 1  
## 740 -3.500 0.999000 5.42e-02 0.00e+00 0.68000 1  
## 741 -10.870 0.397000 7.10e-01 0.00e+00 0.21400 2  
## 742 -4.903 0.953000 4.32e-04 5.47e-02 0.37700 1  
## 743 -8.455 0.697000 3.16e-01 7.63e-01 0.37700 3  
## 744 -4.690 0.879000 9.54e-05 7.45e-03 0.48400 1  
## 745 -5.909 0.821000 1.59e-01 0.00e+00 0.58500 1  
## 746 -11.234 0.267000 9.27e-01 1.88e-06 0.36800 2  
## 747 -4.610 0.613000 8.31e-01 2.72e-02 0.66900 1  
## 748 -28.662 0.053200 5.63e-01 8.89e-01 0.02100 4  
## 749 -6.221 0.599000 1.55e-02 2.60e-05 0.16200 1  
## 750 -10.189 0.388000 1.89e-01 1.88e-04 0.28200 1  
## 751 -5.414 0.793000 1.37e-02 0.00e+00 0.75100 1  
## 752 -15.561 0.183000 8.62e-01 0.00e+00 0.55600 2  
## 753 -8.027 0.542000 1.90e-02 6.39e-03 0.15100 1  
## 754 -13.970 0.967000 2.48e-05 9.32e-01 0.88600 3  
## 755 -4.638 0.971000 1.60e-05 8.06e-02 0.10800 1  
## 756 -10.719 0.298000 7.25e-01 0.00e+00 0.88400 2  
## 757 -10.326 0.530000 4.18e-01 1.58e-04 0.81800 1  
## 758 -3.894 0.977000 1.77e-01 4.98e-03 0.30100 1  
## 759 -4.819 0.963000 3.11e-02 1.08e-03 0.74200 1  
## 760 -5.680 0.932000 3.41e-03 8.23e-02 0.82000 1  
## 761 -5.690 0.983000 1.68e-02 1.29e-01 0.48800 1  
## 762 -13.301 0.383000 4.60e-01 9.05e-01 0.03520 3  
## 763 -4.942 0.712000 2.00e-01 0.00e+00 0.77800 1  
## 764 -18.743 0.998000 2.48e-01 9.21e-01 0.00001 3  
## 765 -9.965 0.479000 3.39e-01 3.53e-04 0.35400 1  
## 766 -16.023 0.177000 8.85e-01 9.82e-05 0.47200 2  
## 767 -10.366 0.329000 7.25e-01 8.51e-06 0.25500 2  
## 768 -12.245 0.182000 8.93e-01 0.00e+00 0.44600 2  
## 769 -16.187 0.196000 7.97e-01 1.61e-06 0.58300 2  
## 770 -11.319 0.244000 8.48e-01 5.96e-05 0.16700 2  
## 771 -8.959 0.685000 5.09e-02 1.08e-06 0.43600 1  
## 772 -6.229 0.501000 8.90e-02 3.18e-06 0.30400 1  
## 773 -8.682 0.724000 4.77e-01 9.65e-01 0.79300 3  
## 774 -10.409 0.332000 9.90e-01 1.64e-04 0.33200 2  
## 775 -12.047 0.356000 4.48e-02 9.21e-01 0.03830 3  
## 776 -3.627 0.955000 4.80e-03 0.00e+00 0.66500 1  
## 777 -6.199 0.745000 1.48e-01 1.26e-03 0.30200 1  
## 778 -2.594 0.851000 6.65e-02 0.00e+00 0.73300 1  
## 779 -31.641 0.136000 4.11e-01 8.09e-01 0.05490 4  
## 780 -5.230 0.824000 5.29e-01 0.00e+00 0.84600 1  
## 781 -4.326 0.931000 3.70e-04 4.87e-01 0.92900 3  
## 782 -4.992 0.872000 7.93e-04 6.20e-04 0.78800 1  
## 783 -8.403 0.297000 7.17e-01 6.21e-05 0.07100 2  
## 784 -7.825 0.625000 1.58e-01 2.23e-04 0.71200 1  
## 785 -10.709 0.383000 6.31e-02 1.27e-04 0.34800 1  
## 786 -11.367 0.607000 7.20e-02 8.52e-04 0.88600 1  
## 787 -6.015 0.752000 2.01e-01 0.00e+00 0.70700 1  
## 788 -2.922 0.975000 1.71e-04 2.11e-04 0.33100 1  
## 789 -6.213 0.843000 4.21e-02 0.00e+00 0.61200 1  
## 790 -18.505 0.262000 2.44e-01 8.79e-01 0.04050 3  
## 791 -6.914 0.993000 2.26e-01 9.17e-01 0.27900 3  
## 792 -10.778 0.573000 4.96e-01 0.00e+00 0.54900 2  
## 793 -30.204 0.001080 9.52e-01 9.91e-01 0.00000 4  
## 794 -20.006 0.103000 9.79e-01 9.66e-01 0.03520 4  
## 795 -20.019 0.029600 8.12e-01 9.25e-01 0.02980 4  
## 796 -4.990 0.752000 1.60e-03 1.78e-05 0.74100 1  
## 797 -2.329 0.982000 5.26e-05 1.31e-04 0.43900 1  
## 798 -3.674 0.900000 1.16e-01 1.75e-05 0.59900 1  
## 799 -12.876 0.146000 9.76e-01 8.99e-01 0.28600 4  
## 800 -7.329 0.613000 4.40e-01 0.00e+00 0.60500 1  
## 801 -14.326 0.205000 6.83e-01 9.65e-05 0.19600 2  
## 802 -6.910 0.776000 6.29e-01 1.20e-06 0.72200 1  
## 803 -3.075 0.971000 1.07e-02 2.15e-05 0.32000 1  
## 804 -3.088 0.910000 9.74e-02 4.29e-04 0.55600 1  
## 805 -12.132 0.800000 6.93e-03 8.87e-04 0.57400 1  
## 806 -9.601 0.543000 7.10e-01 1.59e-03 0.62100 2  
## 807 -13.260 0.236000 8.83e-01 1.27e-04 0.44700 2  
## 808 -4.957 0.809000 2.24e-01 0.00e+00 0.68900 1  
## 809 -6.879 0.601000 1.23e-02 2.37e-04 0.55200 1  
## 810 -4.413 0.952000 2.55e-04 4.32e-02 0.09900 1  
## 811 -2.966 0.811000 6.39e-01 0.00e+00 0.79500 1  
## 812 -4.400 0.793000 1.52e-01 0.00e+00 0.49400 1  
## 813 -11.099 0.243000 8.44e-01 4.99e-01 0.34000 4  
## 814 -4.115 0.973000 4.58e-05 3.26e-03 0.15900 1  
## 815 -6.942 0.631000 2.07e-01 2.49e-01 0.37400 1  
## 816 -7.734 0.631000 5.25e-02 8.33e-02 0.18400 1  
## 817 -4.297 0.679000 1.91e-01 1.75e-03 0.08880 1  
## 818 -6.708 0.832000 8.68e-04 1.28e-03 0.75000 1  
## 819 -8.962 0.261000 9.77e-01 2.85e-03 0.17300 2  
## 820 -10.073 0.313000 7.89e-01 0.00e+00 0.62500 2  
## 821 -7.615 0.268000 8.03e-01 2.04e-01 0.79100 2  
## 822 -7.250 0.628000 2.87e-01 4.98e-03 0.35400 1  
## 823 -18.190 0.282000 5.13e-01 2.47e-05 0.29000 1  
## 824 -8.517 0.752000 4.97e-01 3.59e-06 0.86100 1  
## 825 -7.282 0.699000 3.84e-01 8.13e-01 0.06220 3  
## 826 -2.109 0.926000 4.26e-03 1.59e-05 0.87900 1  
## 827 -6.098 0.425000 8.20e-01 0.00e+00 0.51800 2  
## 828 -12.155 0.307000 4.94e-01 0.00e+00 0.61400 2  
## 829 -5.346 0.805000 4.45e-01 2.84e-05 0.93400 1  
## 830 -14.771 0.742000 4.33e-03 8.89e-01 0.82100 3  
## 831 -4.742 0.897000 1.73e-02 5.95e-03 0.92400 1  
## 832 -13.545 0.144000 9.76e-01 4.65e-01 0.54300 2  
## 833 -12.769 0.440000 3.40e-01 9.52e-01 0.88400 3  
## 834 -3.818 0.815000 4.00e-02 0.00e+00 0.38600 1  
## 835 -3.466 0.971000 3.66e-03 3.75e-03 0.48300 1  
## 836 -1.844 0.948000 4.06e-02 6.41e-03 0.47700 1  
## 837 -16.330 0.574000 1.35e-01 4.34e-01 0.41600 3  
## 838 -13.473 0.804000 7.66e-01 9.39e-01 0.40200 3  
## 839 -5.070 0.491000 5.79e-01 0.00e+00 0.18400 1  
## 840 -4.478 0.923000 1.18e-02 0.00e+00 0.88300 1  
## 841 -14.324 0.624000 5.49e-02 0.00e+00 0.69300 1  
## 842 -8.920 0.545000 8.38e-01 3.50e-06 0.32500 2  
## 843 -7.942 0.441000 4.99e-01 0.00e+00 0.46300 1  
## 844 -10.724 0.632000 1.12e-02 8.68e-01 0.34100 3  
## 845 -5.509 0.619000 5.33e-01 0.00e+00 0.41200 1  
## 846 -6.115 0.731000 4.64e-01 0.00e+00 0.72800 1  
## 847 -2.333 0.988000 1.82e-01 8.16e-06 0.36300 1  
## 848 -9.482 0.842000 1.33e-02 6.64e-01 0.39000 3  
## 849 -1.896 0.977000 5.94e-02 4.89e-06 0.60000 1  
## 850 -6.490 0.683000 3.13e-02 0.00e+00 0.38100 1  
## 851 -6.107 0.976000 2.25e-03 1.98e-05 0.45300 1  
## 852 -7.160 0.628000 4.83e-02 0.00e+00 0.70000 1  
## 853 -3.836 0.996000 4.68e-05 6.51e-05 0.06450 1  
## 854 -11.648 0.409000 5.07e-01 0.00e+00 0.61700 2  
## 855 -2.926 0.845000 3.03e-02 8.51e-03 0.50800 1  
## 856 -12.903 0.404000 3.28e-02 7.18e-05 0.09760 1  
## 857 -12.138 0.395000 6.40e-01 0.00e+00 0.58900 2  
## 858 -8.831 0.406000 1.09e-01 5.65e-01 0.03880 3  
## 859 -2.798 0.962000 6.85e-02 1.17e-03 0.80400 1  
## 860 -7.872 0.780000 1.21e-01 1.57e-03 0.82900 1  
## 861 -5.187 0.797000 1.99e-01 0.00e+00 0.38400 1  
## 862 -8.405 0.777000 2.17e-01 1.46e-02 0.71200 1  
## 863 -3.941 0.778000 2.23e-01 1.84e-05 0.52000 1  
## 864 -14.071 0.330000 2.59e-01 1.54e-01 0.10100 1  
## 865 -12.506 0.267000 8.08e-01 4.05e-05 0.47300 2  
## 866 -8.226 0.539000 5.26e-01 3.61e-06 0.71800 2  
## 867 -15.790 0.239000 9.90e-01 4.88e-03 0.07700 2  
## 868 -18.430 0.199000 9.48e-01 9.81e-01 0.05200 4  
## 869 -6.951 0.500000 9.88e-02 1.99e-05 0.55700 1  
## 870 -4.139 0.961000 4.15e-02 1.15e-06 0.32300 1  
## 871 -10.437 0.200000 9.93e-01 2.19e-04 0.66000 2  
## 872 -3.912 0.963000 8.97e-03 3.78e-03 0.17900 1  
## 873 -14.342 0.361000 1.63e-02 2.23e-05 0.20800 1  
## 874 -9.820 0.650000 8.83e-01 0.00e+00 0.42100 2  
## 875 -13.258 0.241000 6.25e-01 2.80e-05 0.66100 2  
## 876 -35.329 0.551000 9.30e-01 7.79e-01 0.03020 4  
## 877 -11.526 0.664000 3.94e-04 8.82e-01 0.26900 3  
## 878 -7.872 0.347000 8.70e-01 0.00e+00 0.25700 2  
## 879 -8.624 0.575000 4.41e-02 0.00e+00 0.13500 1  
## 880 -10.000 0.826000 1.93e-04 0.00e+00 0.49700 1  
## 881 -8.100 0.656000 6.89e-01 0.00e+00 0.64400 1  
## 882 -6.437 0.819000 7.43e-02 5.51e-05 0.68600 1  
## 883 -6.468 0.916000 6.11e-04 4.22e-01 0.19200 3  
## 884 -6.341 0.771000 1.46e-02 1.19e-03 0.57900 1  
## 885 -8.830 0.943000 5.44e-05 8.12e-01 0.53100 3  
## 886 -4.310 0.947000 1.67e-03 0.00e+00 0.37700 1  
## 887 -4.162 0.940000 1.24e-01 3.70e-05 0.53800 1  
## 888 -9.345 0.417000 1.36e-01 2.20e-02 0.47900 1  
## 889 -3.793 0.732000 4.24e-05 4.48e-01 0.27000 3  
## 890 -22.841 0.199000 9.95e-01 9.39e-01 0.58100 4  
## 891 -4.009 0.804000 5.73e-02 0.00e+00 0.35200 1  
## 892 -9.248 0.967000 2.19e-01 0.00e+00 0.16800 1  
## 893 -12.392 0.394000 1.22e-01 4.46e-02 0.44500 1  
## 894 -7.453 0.780000 1.54e-03 6.03e-01 0.48100 3  
## 895 -8.882 0.548000 9.62e-01 3.36e-06 0.49100 2  
## 896 -9.024 0.574000 3.29e-01 0.00e+00 0.74300 1  
## 897 -6.976 0.829000 3.79e-02 9.44e-04 0.54200 1  
## 898 -2.592 0.878000 1.52e-01 4.73e-06 0.82200 1  
## 899 -6.468 0.620000 1.76e-01 9.04e-05 0.49800 1  
## 900 -4.262 0.749000 6.44e-02 6.76e-06 0.82500 1  
## 901 -14.446 0.811000 2.64e-03 8.31e-01 0.96100 3  
## 902 -3.925 0.919000 1.70e-03 2.24e-01 0.68100 1  
## 903 -4.924 0.675000 7.86e-01 0.00e+00 0.53900 2  
## 904 -12.998 0.138000 9.30e-01 0.00e+00 0.28400 2  
## 905 -22.484 0.045900 9.95e-01 9.34e-01 0.08090 4  
## 906 -4.760 0.975000 9.36e-02 3.24e-05 0.66000 1  
## 907 -5.329 0.929000 5.55e-05 3.65e-02 0.65900 1  
## 908 -1.497 0.968000 2.33e-04 2.93e-01 0.61300 1  
## 909 -5.391 0.796000 1.84e-01 2.62e-05 0.73700 1  
## 910 -3.070 0.854000 2.00e-01 0.00e+00 0.82700 1  
## 911 -8.555 0.532000 5.40e-01 1.59e-01 0.90400 1  
## 912 -11.747 0.319000 7.03e-01 0.00e+00 0.53600 2  
## 913 -6.605 0.718000 8.92e-03 0.00e+00 0.93600 1  
## 914 -3.912 0.922000 7.61e-04 1.91e-04 0.68400 1  
## 915 -4.900 0.463000 9.36e-01 0.00e+00 0.89300 2  
## 916 -6.369 0.769000 5.32e-03 0.00e+00 0.66000 1  
## 917 -5.703 0.604000 2.18e-04 5.79e-04 0.63700 1  
## 918 -14.488 0.288000 6.22e-01 2.77e-06 0.52200 2  
## 919 -11.157 0.295000 7.88e-01 0.00e+00 0.46700 2  
## 920 -6.553 0.754000 5.45e-02 0.00e+00 0.38600 1  
## 921 -9.420 0.197000 9.92e-01 5.67e-06 0.60400 2  
## 922 -14.607 0.473000 4.43e-01 0.00e+00 0.88800 1  
## 923 -5.359 0.812000 2.60e-01 0.00e+00 0.85200 1  
## 924 -8.960 0.366000 9.62e-01 1.40e-01 0.24700 2  
## 925 -9.578 0.739000 2.37e-02 6.07e-01 0.13800 3  
## 926 -16.044 0.232000 5.18e-01 0.00e+00 0.25900 1  
## 927 -8.802 0.238000 7.41e-01 1.93e-03 0.30300 2  
## 928 -9.669 0.276000 8.77e-01 0.00e+00 0.29200 2  
## 929 -5.072 0.921000 7.27e-02 1.87e-04 0.37500 1  
## 930 -11.817 0.658000 3.47e-01 8.47e-01 0.02730 3  
## 931 -4.621 0.875000 1.37e-01 0.00e+00 0.77400 1  
## 932 -7.064 0.678000 4.74e-02 7.02e-06 0.55800 1  
## 933 -5.000 0.995000 3.37e-03 0.00e+00 0.29500 1  
## 934 -6.303 0.720000 6.09e-01 5.32e-01 0.71600 4  
## 935 -7.236 0.363000 8.22e-01 0.00e+00 0.22900 2  
## 936 -8.622 0.331000 4.34e-01 0.00e+00 0.25500 1  
## 937 -9.002 0.768000 1.01e-04 8.16e-02 0.46400 1  
## 938 -4.502 0.967000 2.71e-05 9.46e-01 0.20000 3  
## 939 -7.779 0.876000 1.07e-03 1.83e-06 0.53700 1  
## 940 -12.452 0.423000 6.92e-01 3.74e-06 0.94400 1  
## 941 -3.598 0.868000 1.17e-01 1.17e-04 0.47400 1  
## 942 -4.890 0.933000 1.85e-02 0.00e+00 0.78900 1  
## 943 -6.814 0.772000 4.46e-02 0.00e+00 0.52800 1  
## 944 -4.501 0.958000 1.65e-03 4.76e-02 0.12900 1  
## 945 -5.985 0.782000 4.96e-01 8.87e-02 0.96500 1  
## 946 -3.394 0.915000 1.52e-01 0.00e+00 0.82900 1  
## 947 -5.342 0.932000 4.99e-06 2.13e-05 0.31900 1  
## 948 -4.689 0.925000 1.09e-05 1.61e-04 0.77000 1  
## 949 -18.591 0.193000 5.34e-01 3.16e-06 0.44500 1  
## 950 -5.992 0.692000 7.62e-02 1.22e-03 0.37900 1  
## 951 -18.944 0.085800 9.92e-01 9.09e-01 0.15500 4  
## 952 -4.444 0.592000 2.84e-01 8.10e-05 0.23000 1  
## 953 -9.827 0.510000 1.23e-02 8.38e-05 0.78900 1  
## 954 -17.791 0.102000 9.53e-01 1.55e-01 0.51100 2  
## 955 -3.398 0.956000 1.89e-01 7.47e-02 0.96100 1  
## 956 -16.137 0.271000 9.30e-01 8.90e-01 0.04520 4  
## 957 -3.113 0.960000 2.01e-02 6.30e-05 0.66400 1  
## 958 -11.946 0.545000 3.30e-01 8.28e-01 0.08200 3  
## 959 -5.386 0.775000 8.47e-01 0.00e+00 0.49200 2  
## 960 -9.686 0.702000 7.46e-03 4.31e-03 0.73400 1  
## 961 -6.683 0.722000 7.16e-01 2.20e-03 0.19000 2  
## 962 -5.218 0.849000 1.08e-01 0.00e+00 0.58100 1  
## 963 -3.364 0.993000 4.12e-05 9.37e-05 0.43600 1  
## 964 -5.486 0.948000 5.86e-02 6.94e-01 0.84800 3  
## 965 -11.176 0.523000 9.50e-01 2.78e-06 0.64900 2  
## 966 -20.043 0.097100 9.84e-01 9.10e-01 0.15000 4  
## 967 -6.641 0.905000 2.75e-03 3.36e-02 0.39300 1  
## 968 -2.761 0.812000 1.87e-01 3.11e-06 0.86600 1  
## 969 -3.182 0.838000 2.31e-01 0.00e+00 0.46900 1  
## 970 -3.270 0.758000 8.94e-02 0.00e+00 0.54400 1  
## 971 -2.661 0.859000 1.65e-01 0.00e+00 0.77600 1  
## 972 -7.077 0.535000 8.12e-03 0.00e+00 0.23500 1  
## 973 -10.303 0.447000 8.09e-02 0.00e+00 0.23400 1  
## 974 -5.060 0.988000 1.10e-06 7.15e-01 0.45100 3  
## 975 -4.367 0.897000 2.58e-03 0.00e+00 0.58600 1  
## 976 -7.323 0.362000 3.64e-01 9.40e-01 0.52500 3  
## 977 -13.854 0.592000 7.21e-01 0.00e+00 0.46500 2  
## 978 -3.541 0.900000 1.02e-04 1.89e-05 0.88000 1  
## 979 -5.909 0.795000 1.34e-02 1.30e-04 0.41600 1  
## 980 -2.873 0.910000 6.06e-01 0.00e+00 0.54700 1  
## 981 -2.849 0.862000 3.22e-04 0.00e+00 0.61100 1  
## 982 -10.017 0.225000 9.30e-01 1.00e-03 0.42900 2  
## 983 -6.197 0.496000 4.86e-01 0.00e+00 0.48800 1  
## 984 -6.739 0.738000 3.03e-01 7.81e-01 0.62500 3  
## 985 -4.474 0.726000 1.99e-02 3.10e-06 0.40400 1  
## 986 -8.478 0.416000 8.21e-01 0.00e+00 0.85500 2  
## 987 -5.690 0.845000 4.03e-01 5.86e-04 0.81000 1  
## 988 -19.932 0.079700 9.93e-01 5.94e-01 0.13400 4  
## 989 -4.203 0.789000 2.38e-01 2.27e-04 0.60100 1  
## 990 -5.970 0.703000 2.07e-04 7.30e-03 0.40800 1  
## 991 -16.546 0.649000 9.78e-03 1.33e-04 0.74800 1  
## 992 -13.494 0.438000 1.37e-01 7.85e-04 0.55800 1  
## 993 -3.577 0.901000 3.59e-01 0.00e+00 0.96500 1  
## 994 -2.708 0.961000 2.26e-02 0.00e+00 0.53900 1  
## 995 -6.497 0.680000 2.42e-02 2.11e-06 0.22100 1  
## 996 -5.835 0.480000 6.12e-01 2.69e-01 0.67700 2  
## 997 -9.175 0.601000 3.78e-01 1.21e-04 0.63100 1  
## 998 -19.478 0.050000 1.17e-06 4.61e-01 0.00000 3  
## 999 -6.638 0.326000 7.05e-01 0.00e+00 0.62800 2  
## 1000 -23.234 0.248000 9.92e-01 9.29e-01 0.12200 4  
## 1001 -11.650 0.500000 8.64e-01 9.80e-02 0.21600 2  
## 1002 -7.706 0.571000 2.83e-01 1.31e-05 0.22200 1  
## 1003 -12.340 0.234000 9.91e-01 2.89e-02 0.14300 2  
## 1004 -6.833 0.602000 1.56e-01 0.00e+00 0.75300 1  
## 1005 -4.866 0.759000 5.43e-02 0.00e+00 0.86500 1  
## 1006 -8.609 0.830000 2.47e-01 3.18e-05 0.66100 1  
## 1007 -25.843 0.062000 9.94e-01 9.75e-01 0.44600 4  
## 1008 -11.674 0.640000 2.14e-01 2.47e-04 0.73100 1  
## 1009 -11.079 0.264000 1.64e-01 4.28e-06 0.78100 1  
## 1010 -5.843 0.832000 7.00e-01 0.00e+00 0.81500 1  
## 1011 -5.756 0.594000 4.19e-01 1.79e-03 0.52700 1  
## 1012 -12.584 0.806000 4.51e-03 8.22e-01 0.25500 3  
## 1013 -6.387 0.739000 1.68e-02 7.11e-04 0.75600 1  
## 1014 -4.056 0.811000 4.07e-01 0.00e+00 0.54100 1  
## 1015 -5.936 0.706000 1.71e-02 2.44e-02 0.14300 1  
## 1016 -4.517 0.970000 5.85e-04 2.29e-05 0.37900 1  
## 1017 -4.197 0.995000 3.00e-04 5.90e-04 0.27300 1  
## 1018 -4.386 0.714000 3.74e-03 3.02e-04 0.77000 1  
## 1019 -10.764 0.450000 9.17e-01 1.04e-03 0.57000 2  
## 1020 -13.644 0.295000 4.66e-01 2.48e-06 0.66900 2  
## 1021 -11.512 0.123000 8.51e-01 3.94e-02 0.16900 2  
## 1022 -8.743 0.861000 2.32e-01 6.63e-01 0.27500 3  
## 1023 -8.738 0.383000 5.62e-01 7.37e-05 0.76700 2  
## 1024 -13.530 0.265000 2.39e-01 4.90e-02 0.13300 1  
## 1025 -8.601 0.599000 4.39e-01 0.00e+00 0.96100 1  
## 1026 -8.649 0.643000 4.48e-03 9.51e-06 0.27200 1  
## 1027 -4.800 0.967000 5.11e-04 0.00e+00 0.08360 1  
## 1028 -7.157 0.927000 1.85e-01 1.08e-01 0.34200 1  
## 1029 -5.860 0.998000 1.28e-03 4.66e-01 0.37000 3  
## 1030 -10.369 0.427000 7.34e-01 8.09e-04 0.79700 2  
## 1031 -13.915 0.504000 1.24e-01 8.82e-01 0.09360 3  
## 1032 -6.444 0.689000 9.15e-02 0.00e+00 0.34900 1  
## 1033 -20.231 0.224000 5.45e-02 9.50e-01 0.03880 3  
## 1034 -5.003 0.971000 3.18e-02 1.18e-06 0.50600 1  
## 1035 -9.264 0.484000 4.67e-01 0.00e+00 0.39700 1  
## 1036 -13.008 0.375000 3.67e-01 9.40e-01 0.09950 3  
## 1037 -6.445 0.948000 5.05e-06 4.95e-01 0.21100 3  
## 1038 -14.025 0.284000 9.32e-01 4.76e-04 0.20800 2  
## 1039 -14.401 0.114000 5.08e-01 2.19e-06 0.44500 1  
## 1040 -25.418 0.139000 9.27e-01 9.03e-01 0.03930 4  
## 1041 -5.809 0.718000 2.61e-02 1.73e-03 0.18900 1  
## 1042 -12.102 0.384000 8.12e-01 0.00e+00 0.24100 2  
## 1043 -9.227 0.685000 1.04e-01 3.57e-01 0.03950 3  
## 1044 -3.263 0.985000 8.59e-04 1.63e-02 0.11300 1  
## 1045 -13.894 0.588000 7.46e-01 1.12e-05 0.96600 1  
## 1046 -6.372 0.858000 7.57e-04 6.04e-03 0.70400 1  
## 1047 -17.779 0.178000 7.95e-01 8.74e-01 0.20000 4  
## 1048 -6.647 0.786000 1.05e-02 0.00e+00 0.41200 1  
## 1049 -10.188 0.448000 6.50e-02 8.11e-01 0.75600 3  
## 1050 -4.398 0.445000 8.14e-01 0.00e+00 0.39600 2  
## 1051 -5.189 0.922000 1.29e-02 2.39e-06 0.53200 1  
## 1052 -4.107 0.819000 3.61e-05 7.85e-02 0.44400 1  
## 1053 -10.636 0.898000 1.27e-02 8.28e-02 0.53900 1  
## 1054 -12.761 0.502000 3.00e-01 0.00e+00 0.96600 1  
## 1055 -6.819 0.887000 2.23e-02 0.00e+00 0.13100 1  
## 1056 -8.441 0.861000 2.43e-01 0.00e+00 0.93500 1  
## 1057 -11.941 0.458000 9.61e-01 4.42e-06 0.45300 2  
## 1058 -17.716 0.102000 9.74e-01 1.27e-02 0.20000 2  
## 1059 -9.312 0.346000 6.12e-01 1.76e-03 0.50600 2  
## 1060 -11.697 0.503000 7.53e-01 2.97e-06 0.44600 2  
## 1061 -5.565 0.702000 4.66e-02 3.20e-06 0.29900 1  
## 1062 -9.947 0.209000 7.78e-01 6.03e-06 0.17200 2  
## 1063 -8.440 0.418000 4.34e-01 4.75e-03 0.19800 1  
## 1064 -11.290 0.843000 4.31e-06 2.87e-04 0.75000 1  
## 1065 -11.414 0.831000 3.05e-03 9.53e-01 0.14400 3  
## 1066 -10.294 0.421000 1.71e-01 5.86e-02 0.59400 1  
## 1067 -10.623 0.310000 9.59e-01 2.29e-01 0.15100 2  
## 1068 -10.889 0.506000 3.81e-01 0.00e+00 0.41300 1  
## 1069 -0.983 0.984000 1.87e-01 5.27e-05 0.46600 1  
## 1070 -4.475 0.967000 1.51e-04 7.69e-01 0.84600 3  
## 1071 -7.861 0.623000 1.07e-01 3.93e-03 0.80100 1  
## 1072 -5.023 0.827000 9.22e-03 3.77e-04 0.47200 1  
## 1073 -6.131 0.669000 3.39e-01 0.00e+00 0.75200 1  
## 1074 -10.299 0.705000 1.06e-02 8.95e-01 0.82200 3  
## 1075 -9.360 0.612000 6.76e-01 1.28e-01 0.46700 2  
## 1076 -3.255 0.831000 7.35e-01 0.00e+00 0.71600 1  
## 1077 -7.319 0.864000 5.75e-06 7.50e-04 0.64500 1  
## 1078 -9.301 0.530000 2.33e-01 2.14e-05 0.71800 1  
## 1079 -12.410 0.491000 3.44e-01 2.47e-04 0.81100 1  
## 1080 -2.432 0.820000 3.43e-01 0.00e+00 0.74400 1  
## 1081 -7.604 0.954000 3.44e-01 0.00e+00 0.88300 1  
## 1082 -5.027 0.626000 2.86e-01 0.00e+00 0.20500 1  
## 1083 -7.110 0.473000 9.93e-01 3.21e-01 0.66600 2  
## 1084 -21.056 0.148000 7.13e-01 4.32e-01 0.05690 4  
## 1085 -6.796 0.983000 2.04e-03 1.04e-03 0.64000 1  
## 1086 -12.624 0.327000 4.92e-01 0.00e+00 0.96600 1  
## 1087 -10.604 0.150000 9.34e-01 0.00e+00 0.44400 2  
## 1088 -10.470 0.433000 8.97e-01 1.73e-01 0.49500 2  
## 1089 -14.878 0.184000 8.83e-01 8.52e-04 0.33600 2  
## 1090 -17.030 0.254000 9.94e-01 8.80e-01 0.03780 4  
## 1091 -7.345 0.680000 2.84e-01 1.05e-02 0.67900 1  
## 1092 -3.342 0.963000 7.22e-06 2.19e-06 0.34900 1  
## 1093 -4.573 0.948000 3.86e-04 2.46e-03 0.21700 1  
## 1094 -10.464 0.513000 1.44e-01 1.42e-02 0.89200 1  
## 1095 -7.746 0.378000 7.68e-01 0.00e+00 0.57400 2  
## 1096 -3.930 0.829000 1.07e-02 3.71e-02 0.23800 1  
## 1097 -7.908 0.397000 4.12e-01 0.00e+00 0.32400 1  
## 1098 -1.840 0.957000 1.49e-03 2.00e-04 0.37200 1  
## 1099 -14.083 0.137000 8.82e-01 0.00e+00 0.43700 2  
## 1100 -9.927 0.305000 8.67e-01 4.60e-01 0.80300 2  
## 1101 -9.445 0.674000 6.27e-01 8.16e-05 0.82900 1  
## 1102 -6.261 0.688000 3.64e-01 0.00e+00 0.77000 1  
## 1103 -3.830 0.992000 4.95e-06 2.02e-03 0.28100 1  
## 1104 -1.625 0.884000 1.55e-01 0.00e+00 0.59400 1  
## 1105 -9.349 0.879000 7.67e-02 5.25e-03 0.36900 1  
## 1106 -4.693 0.763000 8.35e-03 0.00e+00 0.19700 1  
## 1107 -6.910 0.831000 7.23e-01 6.30e-06 0.87300 1  
## 1108 -5.646 0.870000 3.82e-02 1.80e-01 0.91700 1  
## 1109 -2.847 0.952000 4.75e-01 0.00e+00 0.81400 1  
## 1110 -13.472 0.338000 6.74e-01 3.75e-04 0.46900 1  
## 1111 -5.467 0.707000 3.57e-02 0.00e+00 0.30400 1  
## 1112 -6.143 0.968000 2.57e-05 9.44e-01 0.20900 3  
## 1113 -4.673 0.966000 4.74e-01 1.60e-05 0.55000 1  
## 1114 -3.474 0.988000 2.02e-02 8.05e-01 0.82900 3  
## 1115 -5.036 0.905000 5.29e-02 5.21e-02 0.85700 1  
## 1116 -3.470 0.945000 2.94e-04 1.48e-06 0.48000 1  
## 1117 -12.917 0.244000 8.31e-01 8.65e-01 0.20300 4  
## 1118 -7.177 0.435000 7.60e-01 0.00e+00 0.14500 2  
## 1119 -8.725 0.737000 5.81e-01 1.58e-06 0.83100 1  
## 1120 -13.084 0.218000 8.74e-01 6.97e-04 0.65200 2  
## 1121 -5.296 0.726000 5.71e-02 4.11e-05 0.32800 1  
## 1122 -3.228 0.981000 2.58e-05 0.00e+00 0.20700 1  
## 1123 -7.227 0.616000 9.17e-02 1.06e-02 0.49200 1  
## 1124 -9.226 0.754000 2.84e-01 8.30e-01 0.21000 3  
## 1125 -5.108 0.827000 1.62e-03 9.02e-02 0.85100 1  
## 1126 -5.306 0.468000 2.95e-01 0.00e+00 0.18500 1  
## 1127 -11.413 0.431000 5.49e-01 2.28e-04 0.33600 1  
## 1128 -6.129 0.902000 4.77e-03 1.52e-05 0.63600 1  
## 1129 -6.035 0.687000 1.92e-01 0.00e+00 0.71900 1  
## 1130 -10.563 0.218000 9.41e-01 1.45e-06 0.22400 2  
## 1131 -4.835 0.637000 2.34e-01 5.72e-04 0.47100 1  
## 1132 -8.365 0.471000 5.87e-01 3.58e-06 0.53000 2  
## 1133 -10.351 0.955000 1.93e-05 1.41e-02 0.10200 1  
## 1134 -4.775 0.906000 1.75e-02 0.00e+00 0.37100 1  
## 1135 -9.401 0.386000 9.85e-01 2.99e-04 0.69400 2  
## 1136 -4.689 0.875000 4.92e-03 8.35e-06 0.90800 1  
## 1137 -11.062 0.743000 7.44e-02 7.10e-04 0.38800 1  
## 1138 -19.865 0.046600 9.84e-01 7.51e-01 0.26400 4  
## 1139 -8.476 0.331000 7.91e-01 5.16e-06 0.54600 2  
## 1140 -8.435 0.691000 2.18e-03 0.00e+00 0.75600 1  
## 1141 -20.493 0.113000 9.55e-01 9.80e-01 0.08760 4  
## 1142 -12.420 0.399000 7.50e-01 6.82e-05 0.54800 2  
## 1143 -14.509 0.307000 9.92e-01 1.74e-01 0.53600 2  
## 1144 -20.062 0.417000 7.22e-01 9.79e-01 0.03860 4  
## 1145 -5.076 0.813000 1.35e-01 0.00e+00 0.82600 1  
## 1146 -11.350 0.571000 1.16e-01 1.08e-03 0.94600 1  
## 1147 -4.878 0.919000 5.64e-03 3.42e-03 0.21000 1  
## 1148 -7.354 0.469000 3.74e-01 0.00e+00 0.29000 1  
## 1149 -11.945 0.477000 3.80e-01 4.93e-05 0.89700 1  
## 1150 -11.110 0.202000 8.21e-01 0.00e+00 0.37400 2  
## 1151 -7.516 0.916000 2.40e-02 3.81e-04 0.62200 1  
## 1152 -8.991 0.964000 4.23e-04 6.47e-01 0.06350 3  
## 1153 -9.606 0.369000 4.53e-01 5.01e-01 0.17000 4  
## 1154 -9.584 0.751000 2.00e-01 0.00e+00 0.78900 1  
## 1155 -5.258 0.892000 1.02e-02 8.50e-01 0.87600 3  
## 1156 -5.397 0.909000 2.02e-01 0.00e+00 0.82800 1  
## 1157 -10.210 0.295000 4.02e-01 8.87e-01 0.94900 3  
## 1158 -16.912 0.320000 1.43e-01 2.01e-01 0.09470 1  
## 1159 -7.074 0.593000 1.53e-01 1.35e-06 0.15800 1  
## 1160 -6.554 0.807000 3.62e-05 6.33e-01 0.25100 3  
## 1161 -2.689 0.820000 8.35e-01 0.00e+00 0.73700 2  
## 1162 -5.646 0.658000 4.73e-01 0.00e+00 0.62700 1  
## 1163 -25.888 0.023100 9.91e-01 7.38e-02 0.18700 2  
## 1164 -2.396 0.882000 1.34e-02 5.60e-05 0.64300 1  
## 1165 -3.213 0.977000 3.21e-03 1.25e-04 0.83400 1  
## 1166 -8.024 0.416000 1.00e-01 1.79e-01 0.19600 1  
## 1167 -5.568 0.812000 1.49e-03 0.00e+00 0.12400 1  
## 1168 -31.024 0.012600 9.66e-01 8.50e-01 0.06800 4  
## 1169 -15.266 0.244000 9.93e-01 1.48e-02 0.89000 2  
## 1170 -13.893 0.338000 7.13e-01 8.62e-01 0.58000 4  
## 1171 -9.932 0.676000 2.75e-05 7.85e-01 0.62700 3  
## 1172 -15.017 0.172000 7.25e-01 5.10e-01 0.39300 4  
## 1173 -30.699 0.056500 9.89e-01 5.92e-01 0.09500 4  
## 1174 -2.486 0.879000 4.33e-02 2.57e-01 0.46100 1  
## 1175 -3.357 0.960000 5.00e-05 0.00e+00 0.83500 1  
## 1176 -5.268 0.568000 4.08e-01 0.00e+00 0.31300 1  
## 1177 -4.157 0.935000 1.08e-03 0.00e+00 0.38600 1  
## 1178 -5.704 0.606000 7.43e-01 8.95e-02 0.34800 2  
## 1179 -3.522 0.693000 7.20e-01 0.00e+00 0.69000 1  
## 1180 -6.515 0.877000 1.20e-02 3.94e-05 0.49900 1  
## 1181 -12.908 0.202000 7.87e-01 5.75e-03 0.43500 2  
## 1182 -3.101 0.981000 1.52e-01 3.45e-04 0.90500 1  
## 1183 -6.695 0.587000 9.45e-02 7.10e-01 0.06780 3  
## 1184 -5.474 0.767000 2.88e-01 0.00e+00 0.48400 1  
## 1185 -7.326 0.595000 7.45e-01 4.84e-05 0.66700 1  
## 1186 -15.969 0.205000 8.73e-01 3.17e-06 0.64400 2  
## 1187 -6.813 0.594000 6.26e-02 5.14e-05 0.15800 1  
## 1188 -11.089 0.646000 7.30e-02 0.00e+00 0.95600 1  
## 1189 -9.792 0.885000 2.20e-03 0.00e+00 0.76400 1  
## 1190 -7.184 0.841000 6.54e-04 2.36e-05 0.32200 1  
## 1191 -14.674 0.415000 7.98e-01 4.71e-05 0.28800 2  
## 1192 -7.396 0.573000 2.14e-03 0.00e+00 0.12900 1  
## 1193 -8.232 0.374000 7.88e-01 0.00e+00 0.66900 2  
## 1194 -23.546 0.073600 8.86e-01 1.66e-02 0.24300 2  
## 1195 -4.971 0.658000 2.44e-02 1.46e-04 0.11300 1  
## 1196 -9.184 0.556000 6.29e-02 4.10e-02 0.58700 1  
## 1197 -9.072 0.809000 2.64e-04 1.09e-03 0.39000 1  
## 1198 -7.607 0.400000 4.52e-01 6.78e-06 0.26200 1  
## 1199 -8.458 0.719000 5.16e-03 1.03e-02 0.79200 1  
## 1200 -15.054 0.518000 2.86e-01 2.32e-04 0.72900 1  
## 1201 -9.079 0.688000 1.03e-01 7.30e-01 0.40000 3  
## 1202 -24.777 0.021300 9.88e-01 8.43e-01 0.19400 4  
## 1203 -19.804 0.083300 9.90e-01 8.90e-01 0.21700 4  
## 1204 -4.140 0.979000 1.25e-03 6.87e-01 0.67400 3  
## 1205 -4.780 0.790000 2.46e-01 7.33e-01 0.55600 3  
## 1206 -3.463 0.826000 4.52e-01 0.00e+00 0.86500 1  
## 1207 -7.937 0.741000 6.73e-06 1.15e-01 0.09940 1  
## 1208 -6.902 0.495000 8.03e-01 2.50e-05 0.42300 2  
## 1209 -12.039 0.387000 7.55e-02 8.61e-01 0.13300 3  
## 1210 -22.430 0.195000 9.94e-01 9.16e-01 0.49600 4  
## 1211 -10.958 0.670000 5.82e-01 0.00e+00 0.57200 1  
## 1212 -21.032 0.279000 2.41e-02 8.97e-01 0.29300 3  
## 1213 -5.894 0.999000 2.17e-03 1.05e-01 0.15600 1  
## 1214 -15.955 0.204000 8.34e-01 1.02e-01 0.38000 2  
## 1215 -9.782 0.480000 4.87e-02 3.84e-05 0.13700 1  
## 1216 -8.582 0.463000 8.42e-01 1.89e-04 0.64100 2  
## 1217 -28.114 0.167000 3.69e-01 4.81e-01 0.00000 4  
## 1218 -10.817 0.726000 6.15e-01 1.20e-06 0.75400 1  
## 1219 -13.186 0.363000 9.57e-01 8.30e-04 0.12100 2  
## 1220 -6.010 0.866000 2.79e-06 9.66e-02 0.41300 1  
## 1221 -3.241 0.939000 1.85e-03 0.00e+00 0.87300 1  
## 1222 -4.852 0.796000 1.47e-01 0.00e+00 0.40500 1  
## 1223 -24.634 0.044100 9.96e-01 9.56e-01 0.54100 4  
## 1224 -3.591 0.863000 2.02e-05 6.76e-01 0.12300 3  
## 1225 -7.077 0.718000 2.87e-01 4.90e-06 0.73600 1  
## 1226 -3.766 0.670000 4.58e-01 0.00e+00 0.65100 1  
## 1227 -9.995 0.671000 5.52e-01 3.23e-05 0.92100 1  
## 1228 -15.873 0.683000 1.18e-05 8.97e-01 0.19200 3  
## 1229 -7.656 0.865000 2.35e-04 7.26e-02 0.62900 1  
## 1230 -14.419 0.492000 7.76e-01 9.60e-01 0.24600 4  
## 1231 -10.432 0.338000 5.02e-01 8.57e-01 0.18300 3  
## 1232 -7.481 0.531000 3.30e-03 1.51e-06 0.67100 1  
## 1233 -3.825 0.929000 3.53e-03 2.89e-04 0.77100 1  
## 1234 -20.854 0.101000 7.62e-01 8.88e-01 0.03850 4  
## 1235 -12.857 0.664000 1.33e-01 9.25e-01 0.05550 3  
## 1236 -12.474 0.486000 8.39e-01 1.88e-02 0.13200 2  
## 1237 -2.917 0.849000 9.53e-02 1.16e-05 0.92600 1  
## 1238 -11.136 0.275000 6.01e-01 0.00e+00 0.51700 2  
## 1239 -5.817 0.809000 4.55e-03 7.23e-02 0.52500 1  
## 1240 -9.134 0.590000 4.51e-01 1.66e-01 0.14200 1  
## 1241 -8.979 0.782000 3.30e-01 1.27e-06 0.60100 1  
## 1242 -5.699 0.816000 2.10e-01 4.72e-02 0.77800 1  
## 1243 -7.469 0.833000 1.22e-01 1.15e-04 0.54900 1  
## 1244 -5.721 0.761000 2.42e-01 0.00e+00 0.48400 1  
## 1245 -1.927 0.791000 3.45e-03 0.00e+00 0.48000 1  
## 1246 -3.485 0.962000 1.80e-02 0.00e+00 0.70300 1  
## 1247 -5.570 0.477000 6.56e-01 0.00e+00 0.29600 1  
## 1248 -9.144 0.391000 4.69e-01 4.13e-06 0.43700 1  
## 1249 -15.580 0.117000 8.78e-01 7.15e-05 0.19600 2  
## 1250 -4.010 0.925000 8.04e-03 7.67e-01 0.44200 3  
## 1251 -12.446 0.400000 9.79e-01 2.65e-03 0.92200 2  
## 1252 -7.565 0.681000 5.03e-01 8.20e-06 0.67700 1  
## 1253 -9.116 0.885000 1.42e-01 9.18e-01 0.06800 3  
## 1254 -7.409 0.688000 9.05e-01 1.93e-03 0.97000 1  
## 1255 -12.521 0.401000 9.42e-01 1.38e-06 0.80000 2  
## 1256 -6.643 0.614000 7.04e-01 0.00e+00 0.57100 2  
## 1257 -6.086 0.869000 3.52e-04 5.65e-05 0.46800 1  
## 1258 -6.981 0.489000 5.00e-01 9.39e-01 0.47000 3  
## 1259 -8.958 0.609000 1.10e-01 6.72e-01 0.38700 3  
## 1260 -5.082 0.935000 2.71e-03 6.80e-01 0.04330 3  
## 1261 -8.510 0.668000 1.77e-01 1.79e-05 0.45400 1  
## 1262 -7.965 0.363000 6.92e-01 0.00e+00 0.17200 2  
## 1263 -6.555 0.730000 1.61e-02 2.80e-03 0.12800 1  
## 1264 -9.753 0.377000 7.49e-01 0.00e+00 0.35300 2  
## 1265 -11.533 0.876000 1.49e-01 8.20e-01 0.34600 3  
## 1266 -4.927 0.756000 4.44e-01 0.00e+00 0.52100 1  
## 1267 -6.302 0.463000 8.80e-01 0.00e+00 0.76100 2  
## 1268 -9.666 0.758000 3.28e-01 4.89e-06 0.61200 1  
## 1269 -18.923 0.068300 9.94e-01 9.01e-01 0.31900 4  
## 1270 -8.615 0.362000 7.94e-01 1.03e-05 0.23300 2  
## 1271 -8.702 0.523000 1.22e-01 1.89e-02 0.30100 1  
## 1272 -5.178 0.524000 4.95e-02 8.18e-06 0.47500 1  
## 1273 -9.695 0.249000 9.04e-01 0.00e+00 0.29300 2  
## 1274 -5.054 0.951000 3.69e-01 8.95e-01 0.47200 3  
## 1275 -3.985 0.992000 2.14e-05 0.00e+00 0.60200 1  
## 1276 -16.785 0.197000 9.30e-01 9.71e-01 0.03950 4  
## 1277 -7.055 0.636000 2.08e-01 0.00e+00 0.65400 1  
## 1278 -5.358 0.870000 2.26e-04 2.32e-04 0.40000 1  
## 1279 -12.183 0.524000 6.22e-02 8.45e-01 0.66100 3  
## 1280 -8.384 0.313000 7.56e-01 2.83e-04 0.23300 2  
## 1281 -5.385 0.848000 3.58e-02 0.00e+00 0.92800 1  
## 1282 -3.859 0.844000 3.61e-01 6.44e-05 0.13100 1  
## 1283 -4.802 0.580000 4.61e-01 0.00e+00 0.22000 1  
## 1284 -5.224 0.521000 4.68e-03 1.77e-03 0.49000 1  
## 1285 -16.737 0.629000 8.10e-01 9.93e-01 0.00001 4  
## 1286 -19.751 0.386000 1.25e-01 2.13e-01 0.89100 3  
## 1287 -8.987 0.331000 8.09e-01 0.00e+00 0.08770 2  
## 1288 -5.984 0.623000 4.47e-01 7.21e-04 0.13900 1  
## 1289 -7.821 0.700000 2.26e-01 6.98e-04 0.33100 1  
## 1290 -7.972 0.561000 3.48e-01 1.06e-02 0.66700 1  
## 1291 -5.368 0.986000 1.39e-05 5.87e-03 0.74200 1  
## 1292 -2.387 0.888000 2.71e-01 0.00e+00 0.61800 1  
## 1293 -9.422 0.574000 4.09e-02 1.35e-05 0.77000 1  
## 1294 -6.398 0.510000 7.82e-01 0.00e+00 0.58600 2  
## 1295 -7.740 0.457000 6.16e-01 2.80e-05 0.92600 1  
## 1296 -4.215 0.842000 8.32e-04 8.98e-01 0.30900 3  
## 1297 -3.087 0.870000 5.22e-03 1.12e-06 0.79000 1  
## 1298 -4.593 0.970000 1.55e-05 4.43e-03 0.31000 1  
## 1299 -3.884 0.959000 8.20e-03 7.10e-01 0.89500 3  
## 1300 -4.263 0.954000 7.00e-04 8.39e-01 0.68900 3  
## 1301 -12.857 0.393000 1.58e-02 1.89e-04 0.68700 1  
## 1302 -11.995 0.427000 8.16e-01 1.53e-02 0.83900 2  
## 1303 -24.421 0.054500 9.67e-01 8.49e-01 0.04280 4  
## 1304 -12.824 0.232000 8.41e-01 6.14e-05 0.15500 2  
## 1305 -14.331 0.207000 8.19e-01 3.63e-03 0.05480 2  
## 1306 -10.215 0.374000 7.95e-01 0.00e+00 0.77900 2  
## 1307 -10.658 0.652000 8.12e-01 1.43e-02 0.75400 1  
## 1308 -7.699 0.810000 1.46e-03 5.89e-02 0.28900 1  
## 1309 -4.445 0.882000 1.92e-02 0.00e+00 0.65500 1  
## 1310 -4.908 0.935000 8.01e-01 0.00e+00 0.47100 2  
## 1311 -15.398 0.395000 1.51e-01 8.35e-01 0.02880 3  
## 1312 -3.902 0.939000 3.32e-05 8.60e-01 0.54900 3  
## 1313 -4.549 0.982000 7.81e-02 1.55e-05 0.40700 1  
## 1314 -6.407 0.595000 8.48e-02 1.65e-04 0.26000 1  
## 1315 -7.602 0.451000 2.53e-01 8.04e-01 0.56400 3  
## 1316 -10.647 0.351000 5.15e-01 9.25e-01 0.09350 3  
## 1317 -5.759 0.890000 8.21e-04 0.00e+00 0.52500 1  
## 1318 -4.351 0.910000 1.69e-02 7.10e-06 0.79400 1  
## 1319 -4.094 0.833000 1.21e-02 0.00e+00 0.80800 1  
## 1320 -3.032 0.871000 3.56e-02 0.00e+00 0.63600 1  
## 1321 -24.309 0.040900 9.91e-01 9.19e-01 0.17500 4  
## 1322 -6.786 0.757000 1.27e-01 8.92e-01 0.91200 3  
## 1323 -10.463 0.472000 9.18e-01 8.73e-04 0.67000 2  
## 1324 -6.158 0.867000 4.15e-01 1.19e-05 0.97500 1  
## 1325 -7.635 0.549000 4.96e-03 7.93e-02 0.85600 1  
## 1326 -11.011 0.339000 8.40e-01 1.23e-04 0.46900 2  
## 1327 -3.662 0.983000 1.23e-04 2.46e-04 0.03780 1  
## 1328 -10.299 0.424000 1.46e-01 2.09e-03 0.65200 1  
## 1329 -24.459 0.895000 1.72e-01 9.19e-01 0.00001 3  
## 1330 -4.495 0.646000 9.77e-02 1.79e-01 0.82400 1  
## 1331 -30.232 0.012500 9.74e-01 1.85e-02 0.14800 2  
## 1332 -17.900 0.390000 1.06e-01 8.89e-01 0.12000 3  
## 1333 -5.162 0.791000 3.43e-02 0.00e+00 0.88100 1  
## 1334 -12.007 0.407000 7.27e-01 1.26e-06 0.13700 2  
## 1335 -5.384 0.639000 4.13e-01 0.00e+00 0.29200 1  
## 1336 -9.334 0.715000 9.22e-01 0.00e+00 0.46600 2  
## 1337 -8.984 0.807000 5.15e-03 8.63e-01 0.17100 3  
## 1338 -12.526 0.217000 9.83e-01 1.94e-02 0.19200 2  
## 1339 -12.165 0.296000 6.17e-01 0.00e+00 0.29900 1  
## 1340 -8.516 0.753000 1.98e-02 1.28e-03 0.77700 1  
## 1341 -7.034 0.913000 2.12e-04 4.46e-06 0.38800 1  
## 1342 -3.905 0.934000 6.69e-02 0.00e+00 0.96200 1  
## 1343 -7.589 0.842000 1.81e-01 1.85e-04 0.76100 1  
## 1344 -7.822 0.574000 1.92e-03 7.00e-01 0.45000 3  
## 1345 -7.401 0.763000 3.40e-05 9.00e-01 0.05420 3  
## 1346 -3.219 0.667000 6.16e-01 0.00e+00 0.69500 1  
## 1347 -6.296 0.749000 7.06e-02 9.28e-06 0.20200 1  
## 1348 -6.486 0.811000 1.16e-02 6.73e-01 0.94400 3  
## 1349 -4.507 0.766000 1.17e-01 0.00e+00 0.44800 1  
## 1350 -5.435 0.789000 4.88e-04 9.65e-03 0.33200 1  
## 1351 -4.858 0.607000 4.99e-01 0.00e+00 0.29400 1  
## 1352 -13.396 0.351000 9.62e-02 0.00e+00 0.68200 1  
## 1353 -4.528 0.947000 7.38e-02 5.51e-05 0.42800 1  
## 1354 -1.620 0.950000 6.10e-01 1.37e-05 0.57600 1  
## 1355 -19.093 0.998000 4.05e-01 9.91e-01 0.00001 3  
## 1356 -7.223 0.622000 6.58e-01 0.00e+00 0.74200 1  
## 1357 -16.110 0.524000 8.79e-04 2.52e-01 0.67200 3  
## 1358 -6.393 0.620000 6.29e-01 0.00e+00 0.26700 1  
## 1359 -17.479 0.514000 1.10e-01 4.81e-06 0.60400 1  
## 1360 -8.567 0.699000 7.50e-03 8.69e-01 0.21900 3  
## 1361 -11.889 0.396000 8.42e-01 7.80e-04 0.42300 2  
## 1362 -7.755 0.989000 1.80e-03 0.00e+00 0.07580 1  
## 1363 -21.658 0.047200 9.93e-01 8.86e-01 0.15300 4  
## 1364 -11.045 0.426000 6.29e-01 1.19e-04 0.72600 2  
## 1365 -4.638 0.922000 5.50e-03 3.69e-06 0.53200 1  
## 1366 -8.908 0.572000 7.51e-04 9.30e-01 0.48500 3  
## 1367 -13.877 0.455000 2.58e-01 3.17e-05 0.43000 1  
## 1368 -5.436 0.851000 1.53e-01 3.49e-06 0.12600 1  
## 1369 -23.472 0.117000 7.04e-01 8.35e-01 0.23200 4  
## 1370 -3.209 0.977000 1.11e-04 0.00e+00 0.48700 1  
## 1371 -9.668 0.263000 5.99e-01 2.30e-06 0.22900 1  
## 1372 -7.789 0.637000 6.08e-01 0.00e+00 0.85400 1  
## 1373 -6.644 0.624000 2.01e-01 2.57e-05 0.89900 1  
## 1374 -6.084 0.649000 1.14e-01 0.00e+00 0.95800 1  
## 1375 -24.271 0.836000 9.96e-01 9.97e-01 0.00000 4  
## 1376 -5.971 0.628000 3.56e-01 9.77e-05 0.38500 1  
## 1377 -7.626 0.524000 6.93e-01 2.63e-03 0.73300 1  
## 1378 -9.633 0.210000 9.11e-01 2.22e-06 0.16300 2  
## 1379 -5.830 0.603000 3.06e-01 0.00e+00 0.51600 1  
## 1380 -2.847 0.800000 8.22e-01 0.00e+00 0.65300 2  
## 1381 -16.308 0.463000 1.03e-03 9.52e-01 0.21900 3  
## 1382 -2.842 0.895000 7.93e-03 2.04e-04 0.92700 1  
## 1383 -8.650 0.578000 1.97e-01 3.34e-05 0.40500 1  
## 1384 -7.804 0.850000 4.94e-03 1.46e-01 0.68600 1  
## 1385 -5.456 0.851000 6.83e-02 0.00e+00 0.34400 1  
## 1386 -10.587 0.328000 7.84e-01 2.83e-05 0.16600 2  
## 1387 -13.493 0.090900 9.74e-01 3.90e-06 0.25700 2  
## 1388 -16.163 0.219000 2.33e-01 4.64e-02 0.17000 1  
## 1389 -6.650 0.678000 1.54e-01 2.29e-04 0.66400 1  
## 1390 -6.262 0.917000 2.19e-04 1.20e-03 0.31200 1  
## 1391 -14.182 0.184000 6.71e-01 0.00e+00 0.49700 2  
## 1392 -5.033 0.647000 3.16e-01 0.00e+00 0.58300 1  
## 1393 -5.319 0.815000 3.65e-01 0.00e+00 0.70200 1  
## 1394 -3.903 0.971000 2.26e-04 4.37e-01 0.26500 3  
## 1395 -5.863 0.679000 1.00e-02 0.00e+00 0.14900 1  
## 1396 -4.003 0.998000 1.89e-04 2.07e-01 0.59800 1  
## 1397 -16.777 0.056200 9.67e-01 9.34e-01 0.44500 4  
## 1398 -11.673 0.236000 9.12e-01 2.78e-05 0.30600 2  
## 1399 -4.635 0.985000 1.35e-04 0.00e+00 0.17100 1  
## 1400 -15.967 0.265000 9.68e-01 0.00e+00 0.46000 2  
## 1401 -4.106 0.947000 1.84e-04 1.12e-04 0.62500 1  
## 1402 -13.782 0.257000 7.86e-01 7.13e-01 0.06300 4  
## 1403 -5.275 0.501000 5.79e-01 3.80e-06 0.12100 1  
## 1404 -5.176 0.882000 1.47e-03 0.00e+00 0.65600 1  
## 1405 -3.913 0.956000 8.56e-02 6.42e-04 0.37000 1  
## 1406 -11.657 0.414000 6.05e-01 0.00e+00 0.54600 2  
## 1407 -8.536 0.436000 5.80e-01 2.63e-05 0.48300 2  
## 1408 -12.140 0.500000 5.97e-01 0.00e+00 0.88900 1  
## 1409 -8.873 0.484000 2.93e-02 0.00e+00 0.41100 1  
## 1410 -3.468 0.967000 8.28e-06 1.82e-01 0.26500 1  
## 1411 -9.356 0.378000 4.82e-01 0.00e+00 0.66900 2  
## 1412 -3.892 0.948000 1.04e-02 0.00e+00 0.31600 1  
## 1413 -9.835 0.801000 2.70e-01 0.00e+00 0.97100 1  
## 1414 -3.347 0.728000 3.56e-01 0.00e+00 0.88500 1  
## 1415 -2.775 0.977000 9.43e-02 1.62e-05 0.86300 1  
## 1416 -7.761 0.638000 2.17e-01 1.50e-02 0.52000 1  
## 1417 -4.687 0.906000 5.48e-06 1.66e-01 0.43300 1  
## 1418 -6.313 0.913000 3.04e-05 2.36e-04 0.93200 1  
## 1419 -2.391 0.918000 6.21e-02 0.00e+00 0.88100 1  
## 1420 -7.186 0.872000 4.34e-03 3.06e-05 0.69900 1  
## 1421 -7.653 0.706000 7.11e-04 0.00e+00 0.29200 1  
## 1422 -11.378 0.413000 4.12e-02 3.81e-01 0.34900 3  
## 1423 -6.861 0.669000 4.25e-02 0.00e+00 0.55900 1  
## 1424 -8.731 0.904000 6.22e-02 0.00e+00 0.76700 1  
## 1425 -8.412 0.844000 3.95e-01 9.33e-01 0.36400 3  
## 1426 -14.319 0.251000 6.63e-01 8.76e-01 0.03690 4  
## 1427 -6.084 0.869000 9.16e-04 3.46e-03 0.64700 1  
## 1428 -4.998 0.723000 1.87e-01 6.64e-06 0.96200 1  
## 1429 -10.527 0.529000 2.90e-01 0.00e+00 0.35200 1  
## 1430 -8.519 0.782000 2.29e-02 1.61e-03 0.63900 1  
## 1431 -5.596 0.565000 6.97e-01 0.00e+00 0.30600 2  
## 1432 -5.490 0.569000 1.23e-01 0.00e+00 0.65300 1  
## 1433 -2.872 0.989000 3.39e-06 1.52e-01 0.48300 1  
## 1434 -5.842 0.922000 2.31e-03 1.38e-01 0.71100 1  
## 1435 -5.576 0.601000 7.96e-01 5.11e-04 0.45300 2  
## 1436 -5.444 0.954000 4.08e-04 1.94e-02 0.33500 1  
## 1437 -6.565 0.723000 5.41e-01 1.12e-06 0.54100 1  
## 1438 -4.822 0.983000 4.32e-02 2.13e-03 0.45600 1  
## 1439 -7.472 0.797000 4.66e-02 0.00e+00 0.94900 1  
## 1440 -3.561 0.944000 6.72e-03 1.08e-04 0.47400 1  
## 1441 -4.387 0.821000 5.07e-01 0.00e+00 0.96800 1  
## 1442 -8.769 0.872000 1.05e-05 8.93e-01 0.18100 3  
## 1443 -6.632 0.576000 7.35e-02 8.48e-01 0.39300 3  
## 1444 -13.118 0.333000 6.89e-01 0.00e+00 0.23900 2  
## 1445 -5.713 0.400000 2.14e-01 0.00e+00 0.22700 1  
## 1446 -4.301 0.906000 3.70e-02 3.64e-05 0.60500 1  
## 1447 -4.619 0.911000 2.33e-05 2.64e-03 0.47100 1  
## 1448 -14.635 0.458000 1.12e-01 2.77e-02 0.64100 1  
## 1449 -5.769 0.615000 7.23e-01 8.94e-04 0.81500 1  
## 1450 -17.782 0.076000 9.38e-01 6.80e-06 0.12200 2  
## 1451 -7.673 0.695000 4.20e-01 3.11e-03 0.85900 1  
## 1452 -23.607 0.112000 7.90e-01 8.55e-01 0.14500 4  
## 1453 -11.700 0.299000 7.94e-01 0.00e+00 0.23300 2  
## 1454 -11.897 0.959000 4.29e-06 5.10e-01 0.09530 3  
## 1455 -7.501 0.969000 1.59e-05 8.63e-01 0.37600 3  
## 1456 -7.185 0.576000 4.34e-01 3.44e-02 0.90700 1  
## 1457 -20.509 0.160000 6.28e-01 4.91e-06 0.26700 1  
## 1458 -5.883 0.623000 6.49e-01 0.00e+00 0.94700 1  
## 1459 -5.888 0.635000 7.66e-01 0.00e+00 0.32100 2  
## 1460 -7.573 0.713000 7.17e-03 9.05e-01 0.66700 3  
## 1461 -12.029 0.862000 1.92e-05 9.01e-01 0.35500 3  
## 1462 -16.241 0.132000 9.66e-01 0.00e+00 0.22700 2  
## 1463 -7.063 0.782000 1.58e-03 3.18e-04 0.55300 1  
## 1464 -3.799 0.965000 2.81e-03 0.00e+00 0.50000 1  
## 1465 -10.047 0.704000 6.66e-05 8.98e-01 0.26900 3  
## 1466 -9.841 0.925000 1.48e-02 8.15e-01 0.66900 3  
## 1467 -9.022 0.387000 5.32e-01 5.48e-03 0.03950 1  
## 1468 -6.686 0.607000 3.97e-01 0.00e+00 0.25500 1  
## 1469 -7.483 0.523000 8.63e-01 2.29e-05 0.68600 2  
## 1470 -7.336 0.715000 1.21e-02 1.57e-05 0.63800 1  
## 1471 -10.269 0.435000 9.88e-03 8.95e-01 0.80200 3  
## 1472 -3.855 0.980000 4.00e-06 1.69e-01 0.13000 1  
## 1473 -6.165 0.660000 1.71e-02 0.00e+00 0.29000 1  
## 1474 -6.772 0.705000 1.89e-04 4.50e-02 0.78700 1  
## 1475 -10.697 0.768000 7.06e-02 1.15e-03 0.83800 1  
## 1476 -8.883 0.579000 2.43e-01 0.00e+00 0.63200 1  
## 1477 -14.150 0.376000 5.96e-01 5.75e-05 0.96500 1  
## 1478 -2.819 0.977000 8.34e-04 3.98e-06 0.38600 1  
## 1479 -5.466 0.908000 5.45e-06 8.56e-01 0.31300 3  
## 1480 -5.278 0.602000 3.27e-01 9.45e-03 0.69800 1  
## 1481 -7.128 0.416000 5.77e-01 0.00e+00 0.52500 2  
## 1482 -6.861 0.793000 6.41e-04 2.93e-05 0.45700 1  
## 1483 -5.098 0.589000 2.93e-02 0.00e+00 0.27000 1  
## 1484 -7.700 0.936000 1.61e-01 0.00e+00 0.83600 1  
## 1485 -7.188 0.476000 5.68e-01 2.08e-01 0.55900 2  
## 1486 -19.179 0.443000 2.84e-02 2.88e-02 0.12900 1  
## 1487 -5.273 0.813000 1.35e-03 0.00e+00 0.71300 1  
## 1488 -9.711 0.429000 4.46e-01 0.00e+00 0.55800 1  
## 1489 -14.555 0.269000 6.88e-01 3.59e-03 0.25500 2  
## 1490 -3.734 0.930000 1.94e-02 8.44e-04 0.36100 1  
## 1491 -4.405 0.946000 1.12e-04 1.64e-04 0.20100 1  
## 1492 -22.399 0.082400 9.80e-01 9.03e-01 0.03890 4  
## 1493 -6.456 0.408000 6.68e-01 0.00e+00 0.79900 2  
## 1494 -10.177 0.942000 3.01e-02 8.51e-01 0.28500 3  
## 1495 -5.441 0.977000 2.56e-04 3.50e-06 0.62300 1  
## 1496 -7.273 0.970000 1.64e-06 5.33e-02 0.06640 1  
## 1497 -10.671 0.590000 2.70e-02 2.69e-05 0.41800 1  
## 1498 -5.119 0.914000 1.45e-02 3.01e-05 0.32200 1  
## 1499 -5.151 0.985000 6.32e-04 9.55e-01 0.20100 3  
## 1500 -3.256 0.934000 1.13e-01 6.06e-05 0.84900 1  
## 1501 -37.822 0.368000 8.99e-01 7.49e-01 0.03160 4  
## 1502 -3.792 0.953000 2.28e-01 0.00e+00 0.68900 1  
## 1503 -15.692 0.531000 3.38e-01 8.52e-01 0.10300 3  
## 1504 -14.551 0.245000 9.45e-01 5.83e-01 0.17800 4  
## 1505 -11.389 0.495000 7.04e-01 8.70e-01 0.67800 4  
## 1506 -9.273 0.416000 1.37e-02 4.79e-01 0.35100 3  
## 1507 -4.877 0.892000 2.56e-04 1.37e-02 0.28000 1  
## 1508 -5.237 0.558000 6.64e-01 0.00e+00 0.70600 1  
## 1509 -7.411 0.498000 7.98e-02 5.61e-06 0.21400 1  
## 1510 -3.935 0.600000 6.92e-02 0.00e+00 0.27000 1  
## 1511 -3.862 0.931000 1.80e-01 1.33e-02 0.48400 1  
## 1512 -4.179 0.909000 4.81e-01 9.47e-05 0.83700 1  
## 1513 -11.129 0.189000 9.05e-01 0.00e+00 0.29200 2  
## 1514 -4.096 0.997000 4.81e-06 9.40e-01 0.12100 3  
## 1515 -14.355 0.183000 9.07e-01 0.00e+00 0.30800 2  
## 1516 -13.301 0.244000 9.06e-01 0.00e+00 0.57800 2  
## 1517 -4.935 0.662000 2.19e-01 7.63e-04 0.56900 1  
## 1518 -9.441 0.496000 8.39e-02 0.00e+00 0.31900 1  
## 1519 -4.626 0.990000 5.31e-05 4.57e-04 0.29800 1  
## 1520 -2.339 0.834000 2.53e-01 2.89e-02 0.73900 1  
## 1521 -8.009 0.595000 3.97e-01 0.00e+00 0.84000 1  
## 1522 -6.250 0.788000 2.63e-01 5.25e-03 0.58100 1  
## 1523 -3.835 0.846000 1.88e-01 1.77e-06 0.68400 1  
## 1524 -3.835 0.413000 1.18e-06 9.04e-01 0.07770 3  
## 1525 -17.152 0.256000 8.97e-01 4.59e-02 0.30300 2  
## 1526 -7.016 0.953000 1.93e-03 7.98e-01 0.51000 3  
## 1527 -22.698 0.152000 9.65e-01 9.19e-01 0.07040 4  
## 1528 -11.990 0.465000 6.43e-01 5.50e-06 0.30500 1  
## 1529 -11.866 0.663000 7.45e-01 1.73e-04 0.76100 1  
## 1530 -4.097 0.832000 8.10e-03 0.00e+00 0.32400 1  
## 1531 -7.259 0.633000 7.95e-02 3.18e-04 0.78200 1  
## 1532 -11.020 0.351000 9.89e-01 4.85e-04 0.11600 2  
## 1533 -10.868 0.917000 1.50e-04 9.14e-01 0.53000 3  
## 1534 -8.102 0.714000 7.52e-01 0.00e+00 0.65200 1  
## 1535 -6.734 0.596000 8.14e-01 0.00e+00 0.71100 1  
## 1536 -9.985 0.686000 1.17e-02 6.07e-01 0.65300 3  
## 1537 -8.182 0.771000 3.26e-01 3.67e-03 0.86800 1  
## 1538 -3.756 0.876000 9.32e-04 1.66e-04 0.38500 1  
## 1539 -7.043 0.664000 4.48e-01 0.00e+00 0.78500 1  
## 1540 -10.054 0.219000 3.87e-01 0.00e+00 0.36600 1  
## 1541 -3.234 0.903000 3.31e-04 7.19e-05 0.59000 1  
## 1542 -8.694 0.342000 1.34e-02 4.12e-03 0.10100 1  
## 1543 -8.776 0.618000 3.92e-01 2.92e-06 0.95300 1  
## 1544 -2.515 0.718000 5.05e-01 0.00e+00 0.76600 1  
## 1545 -6.940 0.601000 1.08e-02 0.00e+00 0.67800 1  
## 1546 -5.451 0.944000 1.33e-02 0.00e+00 0.39600 1  
## 1547 -6.310 0.727000 4.58e-01 0.00e+00 0.50200 1  
## 1548 -17.424 0.160000 8.23e-01 6.73e-03 0.10100 2  
## 1549 -11.861 0.375000 7.66e-01 2.41e-05 0.46400 2  
## 1550 -4.489 0.946000 4.55e-02 0.00e+00 0.70100 1  
## 1551 -12.372 0.513000 7.58e-01 8.64e-06 0.95500 1  
## 1552 -13.442 0.207000 9.35e-01 9.63e-06 0.15800 2  
## 1553 -4.093 0.648000 4.70e-01 0.00e+00 0.76800 1  
## 1554 -9.811 0.487000 8.49e-01 0.00e+00 0.69100 2  
## 1555 -5.607 0.571000 3.06e-02 0.00e+00 0.16300 1  
## 1556 -6.738 0.848000 6.16e-01 8.68e-06 0.78900 1  
## 1557 -5.302 0.785000 1.18e-01 0.00e+00 0.60900 1  
## 1558 -9.175 0.424000 8.23e-04 1.28e-01 0.58100 1  
## 1559 -2.363 0.948000 4.78e-01 0.00e+00 0.43100 1  
## 1560 -9.046 0.457000 5.98e-02 5.84e-01 0.67200 3  
## 1561 -5.864 0.935000 2.30e-04 2.10e-05 0.51200 1  
## 1562 -6.827 0.786000 5.27e-02 1.24e-06 0.44200 1  
## 1563 -4.424 0.955000 4.65e-05 1.39e-01 0.09160 1  
## 1564 -13.095 0.629000 4.09e-01 6.73e-01 0.16000 3  
## 1565 -7.395 0.971000 1.48e-06 7.60e-02 0.15300 1  
## 1566 -3.968 0.648000 6.30e-01 0.00e+00 0.23900 1  
## 1567 -3.720 0.778000 2.86e-01 0.00e+00 0.96900 1  
## 1568 -7.878 0.753000 2.53e-02 9.34e-01 0.49200 3  
## 1569 -8.224 0.841000 3.35e-06 8.98e-01 0.17900 3  
## 1570 -6.720 0.917000 1.15e-01 1.01e-02 0.81800 1  
## 1571 -7.101 0.585000 1.22e-03 8.53e-01 0.48700 3  
## 1572 -6.366 0.793000 3.13e-01 8.67e-01 0.71900 3  
## 1573 -12.787 0.369000 9.14e-01 8.31e-01 0.08100 4  
## 1574 -6.502 0.616000 5.75e-01 0.00e+00 0.97100 1  
## 1575 -6.173 0.870000 6.91e-01 9.63e-05 0.96000 1  
## 1576 -23.733 0.195000 8.57e-01 8.40e-01 0.10400 4  
## 1577 -5.024 0.785000 2.55e-03 0.00e+00 0.46200 1  
## 1578 -8.127 0.960000 2.37e-04 7.39e-03 0.09590 1  
## 1579 -4.979 0.539000 8.20e-02 7.01e-05 0.71100 1  
## 1580 -4.246 0.578000 9.82e-03 1.44e-05 0.15600 1  
## 1581 -6.363 0.575000 2.61e-03 6.82e-01 0.85500 3  
## 1582 -6.503 0.833000 1.42e-02 5.40e-06 0.53800 1  
## 1583 -5.681 0.477000 1.85e-01 1.87e-02 0.28000 1  
## 1584 -3.673 0.906000 4.22e-03 4.34e-03 0.52300 1  
## 1585 -11.223 0.757000 1.60e-03 7.58e-04 0.73900 1  
## 1586 -5.359 0.832000 1.49e-01 7.03e-01 0.21000 3  
## 1587 -3.712 0.972000 9.36e-02 6.29e-01 0.22600 3  
## 1588 -9.335 0.527000 2.40e-01 1.89e-06 0.67900 1  
## 1589 -6.673 0.768000 5.12e-01 0.00e+00 0.94800 1  
## 1590 -4.606 0.701000 7.09e-01 0.00e+00 0.57600 2  
## 1591 -4.240 0.960000 5.76e-02 2.54e-01 0.69900 1  
## 1592 -5.542 0.630000 2.72e-06 7.33e-01 0.30700 3  
## 1593 -4.929 0.997000 1.88e-06 5.37e-06 0.16000 1  
## 1594 -4.945 0.694000 4.36e-01 0.00e+00 0.53800 1  
## 1595 -13.173 0.311000 5.43e-01 3.02e-05 0.13600 1  
## 1596 -5.431 0.971000 1.32e-04 7.09e-02 0.58800 1  
## 1597 -21.031 0.824000 4.70e-06 9.75e-01 0.03160 3  
## 1598 -8.289 0.851000 6.50e-01 0.00e+00 0.83000 1  
## 1599 -3.551 0.936000 2.59e-01 1.53e-06 0.92400 1  
## 1600 -6.981 0.951000 2.67e-04 2.41e-01 0.33700 1  
## 1601 -4.169 0.898000 2.78e-02 9.40e-03 0.32400 1  
## 1602 -5.468 0.956000 1.23e-02 1.44e-04 0.58900 1  
## 1603 -7.142 0.870000 2.96e-03 0.00e+00 0.71400 1  
## 1604 -20.533 0.216000 9.86e-01 8.13e-01 0.84500 4  
## 1605 -3.164 0.836000 2.68e-03 0.00e+00 0.39600 1  
## 1606 -6.543 0.771000 5.56e-03 1.27e-01 0.54700 1  
## 1607 -14.520 0.318000 8.90e-01 4.74e-01 0.24100 4  
## 1608 -6.470 0.871000 1.69e-01 0.00e+00 0.93900 1  
## 1609 -7.644 0.918000 1.69e-01 1.09e-01 0.77500 1  
## 1610 -11.068 0.248000 8.40e-01 4.10e-03 0.36300 2  
## 1611 -4.113 0.942000 1.82e-04 4.64e-01 0.96400 3  
## 1612 -7.539 0.502000 6.99e-01 1.56e-04 0.67400 1  
## 1613 -5.791 0.968000 2.09e-04 5.25e-02 0.07620 1  
## 1614 -8.498 0.371000 9.23e-01 2.53e-02 0.18900 2  
## 1615 -8.404 0.836000 6.31e-02 7.72e-01 0.48800 3  
## 1616 -17.000 0.273000 8.58e-01 3.44e-01 0.31300 2  
## 1617 -12.922 0.512000 2.57e-01 8.78e-01 0.08240 3  
## 1618 -7.909 0.644000 7.01e-01 1.11e-06 0.90000 1  
## 1619 -2.703 0.838000 8.15e-04 0.00e+00 0.82000 1  
## 1620 -6.618 0.862000 5.86e-01 2.08e-04 0.96200 1  
## 1621 -5.515 0.752000 2.24e-02 0.00e+00 0.16500 1  
## 1622 -6.416 0.913000 2.45e-05 2.89e-01 0.33400 1  
## 1623 -8.439 0.474000 3.46e-01 1.16e-04 0.50800 1  
## 1624 -9.473 0.248000 8.67e-01 0.00e+00 0.41100 2  
## 1625 -7.661 0.419000 7.71e-01 0.00e+00 0.18600 2  
## 1626 -14.417 0.198000 9.91e-01 8.84e-01 0.09060 4  
## 1627 -13.970 0.178000 8.84e-01 0.00e+00 0.21400 2  
## 1628 -7.706 0.660000 6.54e-01 1.66e-06 0.96200 1  
## 1629 -10.147 0.675000 6.05e-01 0.00e+00 0.74400 1  
## 1630 -22.872 0.073300 9.92e-01 8.92e-01 0.67600 4  
## 1631 -6.696 0.631000 1.28e-01 8.84e-01 0.75000 3  
## 1632 -6.825 0.641000 5.72e-01 0.00e+00 0.91900 1  
## 1633 -6.847 0.639000 3.80e-01 1.81e-04 0.12000 1  
## 1634 -4.007 0.902000 2.25e-01 2.41e-06 0.66000 1  
## 1635 -7.698 0.553000 7.54e-03 1.00e-05 0.09080 1  
## 1636 -8.045 0.481000 5.98e-01 0.00e+00 0.91000 1  
## 1637 -7.785 0.675000 7.61e-03 2.12e-05 0.59400 1  
## 1638 -20.006 0.228000 9.18e-01 7.03e-01 0.69800 4  
## 1639 -3.846 0.878000 1.88e-03 4.53e-02 0.04680 1  
## 1640 -11.337 0.461000 9.78e-02 8.15e-01 0.11900 3  
## 1641 -8.136 0.727000 1.86e-03 8.00e-01 0.05540 3  
## 1642 -7.140 0.715000 2.30e-02 2.13e-03 0.22200 1  
## 1643 -15.566 0.179000 7.84e-01 0.00e+00 0.79500 2  
## 1644 -5.088 0.855000 2.30e-01 0.00e+00 0.75800 1  
## 1645 -4.803 0.717000 7.79e-02 2.74e-03 0.54700 1  
## 1646 -11.051 0.416000 3.45e-01 1.36e-01 0.22300 1  
## 1647 -6.784 0.429000 4.44e-02 0.00e+00 0.52000 1  
## 1648 -5.539 0.868000 2.87e-01 6.02e-05 0.63700 1  
## 1649 -8.117 0.860000 8.54e-04 2.88e-03 0.34300 1  
## 1650 -7.638 0.755000 4.44e-03 4.80e-06 0.72400 1  
## 1651 -10.197 0.338000 9.62e-01 1.19e-01 0.17800 2  
## 1652 -13.808 0.432000 4.06e-02 0.00e+00 0.30400 1  
## 1653 -7.303 0.380000 6.92e-01 0.00e+00 0.23300 2  
## 1654 -8.590 0.650000 2.06e-01 7.51e-01 0.63800 3  
## 1655 -5.411 0.868000 7.63e-03 6.38e-02 0.80200 1  
## 1656 -3.789 0.874000 1.32e-01 0.00e+00 0.39000 1  
## 1657 -10.768 0.356000 4.74e-01 0.00e+00 0.77200 2  
## 1658 -9.797 0.345000 6.48e-01 2.06e-02 0.19200 1  
## 1659 -7.069 0.290000 9.95e-01 1.63e-04 0.31200 2  
## 1660 -13.829 0.188000 8.89e-01 0.00e+00 0.44500 2  
## 1661 -6.094 0.875000 9.19e-02 4.22e-01 0.94200 3  
## 1662 -6.698 0.568000 4.77e-02 2.35e-05 0.12900 1  
## 1663 -2.920 0.876000 2.40e-02 0.00e+00 0.75700 1  
## 1664 -14.917 0.419000 4.58e-01 6.49e-01 0.03490 3  
## 1665 -6.567 0.565000 4.75e-02 3.64e-01 0.72900 3  
## 1666 -13.256 0.237000 9.51e-01 4.20e-03 0.44100 2  
## 1667 -5.067 0.729000 1.30e-01 0.00e+00 0.63700 1  
## 1668 -8.622 0.994000 1.39e-01 9.73e-01 0.01580 3  
## 1669 -3.427 0.978000 3.30e-04 1.43e-02 0.49300 1  
## 1670 -7.134 0.662000 9.17e-02 1.30e-03 0.32300 1  
## 1671 -12.786 0.404000 4.42e-01 0.00e+00 0.42400 1  
## 1672 -2.100 0.996000 5.63e-05 1.67e-04 0.06010 1  
## 1673 -3.724 0.943000 1.71e-01 6.59e-06 0.41100 1  
## 1674 -5.217 0.780000 2.43e-01 0.00e+00 0.60200 1  
## 1675 -12.867 0.450000 4.01e-04 8.14e-03 0.26300 1  
## 1676 -9.415 0.609000 5.16e-01 2.12e-03 0.65800 2  
## 1677 -4.024 0.971000 1.45e-02 2.51e-05 0.75600 1  
## 1678 -17.592 0.628000 1.25e-03 9.32e-01 0.31900 3  
## 1679 -3.706 0.871000 1.15e-03 0.00e+00 0.20100 1  
## 1680 -14.912 0.170000 9.88e-01 8.45e-01 0.38500 4  
## 1681 -6.534 0.774000 1.45e-03 0.00e+00 0.77300 1  
## 1682 -3.587 0.994000 3.65e-05 4.06e-01 0.12400 1  
## 1683 -25.398 0.058200 9.61e-01 8.90e-01 0.04540 4  
## 1684 -11.615 0.539000 2.22e-01 0.00e+00 0.92300 1  
## 1685 -6.917 0.797000 6.17e-01 0.00e+00 0.81600 1  
## 1686 -16.715 0.494000 3.38e-01 3.86e-01 0.73200 4  
## 1687 -18.939 0.111000 9.13e-01 4.24e-04 0.11900 2  
## 1688 -9.610 0.480000 3.34e-01 0.00e+00 0.70600 1  
## 1689 -4.395 0.832000 3.72e-04 0.00e+00 0.40400 1  
## 1690 -7.254 0.811000 3.92e-01 0.00e+00 0.85900 1  
## 1691 -12.745 0.497000 8.36e-01 3.84e-01 0.03530 4  
## 1692 -3.180 0.774000 2.22e-02 0.00e+00 0.16700 1  
## 1693 -10.090 0.649000 7.01e-01 1.33e-05 0.52000 2  
## 1694 -4.662 0.639000 3.57e-01 0.00e+00 0.21100 1  
## 1695 0.377 0.963000 1.07e-01 6.92e-01 0.03100 3  
## 1696 -6.392 0.901000 3.53e-05 8.81e-01 0.82100 3  
## 1697 -4.196 0.977000 4.98e-04 8.96e-01 0.29300 3  
## 1698 -9.526 0.553000 4.40e-02 9.60e-03 0.43300 1  
## 1699 -5.253 0.897000 6.35e-03 7.26e-06 0.64000 1  
## 1700 -6.296 0.566000 4.13e-02 2.21e-06 0.85700 1  
## 1701 -11.130 0.906000 5.90e-02 8.81e-01 0.06510 3  
## 1702 -6.101 0.612000 1.74e-01 2.05e-01 0.11600 1  
## 1703 -2.645 0.972000 2.53e-06 5.40e-01 0.54500 3  
## 1704 -8.229 0.760000 6.11e-01 0.00e+00 0.65200 1  
## 1705 -10.281 0.824000 7.98e-02 7.59e-01 0.02240 3  
## 1706 -4.326 0.835000 6.84e-02 0.00e+00 0.62500 1  
## 1707 -11.384 0.519000 4.40e-05 6.07e-02 0.27800 1  
## 1708 -4.584 0.961000 1.16e-03 1.47e-02 0.18900 1  
## 1709 -10.861 0.569000 5.21e-01 4.15e-04 0.66100 2  
## 1710 -5.626 0.664000 3.76e-02 0.00e+00 0.77200 1  
## 1711 -8.042 0.914000 5.54e-01 0.00e+00 0.06780 1  
## 1712 -8.618 0.484000 7.32e-01 0.00e+00 0.43200 2  
## 1713 -4.560 0.943000 1.47e-04 1.38e-01 0.54700 1  
## 1714 -7.594 0.296000 8.40e-01 0.00e+00 0.21200 2  
## 1715 -6.240 0.949000 1.62e-06 1.24e-02 0.24500 1  
## 1716 -10.419 0.708000 4.42e-01 0.00e+00 0.84600 1  
## 1717 -9.236 0.829000 5.12e-06 8.23e-03 0.45500 1  
## 1718 -7.700 0.607000 1.12e-02 1.38e-05 0.53200 1  
## 1719 -7.089 0.827000 9.04e-02 3.73e-06 0.91200 1  
## 1720 -22.161 0.059200 9.85e-01 9.78e-01 0.03680 4  
## 1721 -7.038 0.916000 6.80e-02 8.45e-01 0.54800 3  
## 1722 -5.884 0.772000 2.08e-02 1.09e-05 0.74000 1  
## 1723 -2.966 0.966000 3.49e-03 1.98e-04 0.53300 1  
## 1724 -3.952 0.913000 1.72e-01 1.10e-04 0.51200 1  
## 1725 -17.022 0.181000 8.70e-01 2.79e-04 0.14600 2  
## 1726 -18.962 0.048400 9.61e-01 8.99e-01 0.20200 4  
## 1727 -2.463 0.986000 8.62e-03 4.74e-02 0.66700 1  
## 1728 -9.359 0.700000 2.36e-02 5.90e-01 0.35700 3  
## 1729 -10.179 0.406000 6.06e-01 0.00e+00 0.58200 2  
## 1730 -37.417 0.281000 7.88e-01 9.73e-01 0.28400 4  
## 1731 -10.914 0.197000 9.34e-01 7.39e-01 0.07350 4  
## 1732 -18.906 0.017100 9.88e-01 9.23e-01 0.17600 4  
## 1733 -5.175 0.787000 5.17e-03 7.59e-05 0.50600 1  
## 1734 -20.513 0.261000 9.93e-01 8.21e-01 0.28300 4  
## 1735 -4.151 0.914000 2.23e-03 5.28e-01 0.73300 3  
## 1736 -5.994 0.801000 6.65e-01 2.51e-05 0.90500 1  
## 1737 -9.892 0.823000 4.26e-01 1.71e-06 0.85400 1  
## 1738 -5.904 0.998000 2.51e-04 5.66e-03 0.05650 1  
## 1739 -24.062 0.089700 9.90e-01 9.04e-01 0.44300 4  
## 1740 -4.243 0.952000 1.37e-05 2.01e-03 0.55700 1  
## 1741 -10.304 0.476000 6.64e-01 4.43e-05 0.79700 1  
## 1742 -6.700 0.785000 1.55e-01 0.00e+00 0.60800 1  
## 1743 -4.332 0.678000 2.03e-01 0.00e+00 0.37100 1  
## 1744 -6.934 0.618000 9.03e-02 0.00e+00 0.64900 1  
## 1745 -9.289 0.694000 9.77e-01 3.04e-03 0.81100 2  
## 1746 -14.436 0.457000 9.38e-01 6.46e-03 0.52700 2  
## 1747 -9.658 0.244000 8.47e-01 2.57e-06 0.39000 2  
## 1748 -6.114 0.762000 2.16e-03 0.00e+00 0.70800 1  
## 1749 -1.652 0.972000 1.41e-01 0.00e+00 0.88600 1  
## 1750 -2.684 0.848000 4.90e-02 0.00e+00 0.74900 1  
## 1751 -12.007 0.301000 9.12e-01 0.00e+00 0.33100 2  
## 1752 -12.279 0.484000 6.45e-01 0.00e+00 0.62500 2  
## 1753 -5.330 0.741000 5.44e-03 0.00e+00 0.64600 1  
## 1754 -11.025 0.570000 6.02e-01 0.00e+00 0.30500 1  
## 1755 -5.432 0.783000 6.34e-01 0.00e+00 0.56100 1  
## 1756 -2.976 0.936000 9.72e-06 7.59e-03 0.12500 1  
## 1757 -7.713 0.586000 1.26e-02 4.56e-06 0.79000 1  
## 1758 -12.451 0.120000 8.99e-01 2.28e-05 0.36900 2  
## 1759 -21.758 0.045100 8.10e-01 2.39e-02 0.21800 2  
## 1760 -6.692 0.900000 1.77e-04 8.79e-06 0.33900 1  
## 1761 -6.047 0.890000 1.16e-04 5.86e-06 0.18100 1  
## 1762 -6.267 0.777000 6.86e-01 0.00e+00 0.90300 1  
## 1763 -5.025 0.696000 3.12e-01 0.00e+00 0.28600 1  
## 1764 -4.411 0.810000 8.45e-01 0.00e+00 0.63300 2  
## 1765 -4.013 0.739000 1.39e-01 0.00e+00 0.31300 1  
## 1766 -3.407 0.906000 1.86e-04 8.21e-06 0.44900 1  
## 1767 -5.472 0.901000 3.43e-04 8.82e-02 0.31000 1  
## 1768 -7.700 0.849000 6.91e-04 3.40e-01 0.77000 3  
## 1769 -7.701 0.821000 7.03e-04 2.14e-02 0.96800 1  
## 1770 -14.210 0.565000 3.17e-02 8.64e-01 0.59800 3  
## 1771 -10.424 0.269000 7.04e-01 0.00e+00 0.54000 2  
## 1772 -4.773 0.914000 2.31e-03 0.00e+00 0.25300 1  
## 1773 -4.433 0.975000 7.65e-05 5.61e-01 0.30900 3  
## 1774 -4.718 0.953000 4.50e-04 0.00e+00 0.11500 1  
## 1775 -2.152 0.909000 3.93e-01 0.00e+00 0.82400 1  
## 1776 -8.333 0.749000 1.73e-01 9.42e-01 0.67400 3  
## 1777 -17.604 0.248000 8.64e-01 2.98e-01 0.23200 2  
## 1778 -3.143 0.882000 2.36e-01 0.00e+00 0.40000 1  
## 1779 -34.977 0.002290 9.92e-01 9.31e-01 0.28100 4  
## 1780 -7.557 0.735000 3.31e-01 2.03e-03 0.69000 1  
## 1781 -9.858 0.708000 4.21e-03 3.39e-02 0.07400 1  
## 1782 -6.193 0.803000 1.10e-01 0.00e+00 0.32500 1  
## 1783 -12.154 0.536000 2.46e-01 0.00e+00 0.92900 1  
## 1784 -5.371 0.916000 7.31e-02 0.00e+00 0.80500 1  
## 1785 -13.459 0.457000 3.83e-01 3.33e-03 0.67000 2  
## 1786 -11.719 0.361000 8.73e-01 0.00e+00 0.84100 2  
## 1787 -6.032 0.522000 2.19e-01 0.00e+00 0.46300 1  
## 1788 -6.200 0.945000 1.20e-02 6.07e-05 0.68700 1  
## 1789 -12.684 0.737000 4.21e-02 0.00e+00 0.76600 1  
## 1790 -11.641 0.292000 8.18e-01 9.42e-01 0.11000 4  
## 1791 -11.309 0.398000 8.93e-01 9.44e-01 0.05000 4  
## 1792 -4.251 0.980000 4.36e-03 7.35e-06 0.17300 1  
## 1793 -14.190 0.338000 5.72e-01 5.25e-05 0.40000 1  
## 1794 -15.152 0.259000 7.80e-01 6.53e-01 0.03830 4  
## 1795 -3.818 0.697000 7.42e-01 0.00e+00 0.92600 1  
## 1796 -9.528 0.546000 2.97e-01 0.00e+00 0.23400 1  
## 1797 -10.519 0.391000 6.40e-01 9.65e-01 0.03930 4  
## 1798 -9.597 0.557000 1.58e-01 0.00e+00 0.78800 1  
## 1799 -5.703 0.776000 7.72e-04 0.00e+00 0.61000 1  
## 1800 -3.697 0.992000 1.90e-03 0.00e+00 0.30200 1  
## 1801 -7.497 0.576000 8.46e-01 0.00e+00 0.62100 2  
## 1802 -3.511 0.919000 2.24e-01 1.24e-05 0.64400 1  
## 1803 -5.739 0.832000 6.42e-03 5.00e-02 0.77700 1  
## 1804 -6.650 0.740000 1.10e-01 0.00e+00 0.46000 1  
## 1805 -9.394 0.979000 1.53e-03 8.75e-01 0.55700 3  
## 1806 -7.697 0.950000 6.22e-05 3.70e-04 0.24000 1  
## 1807 -8.575 0.687000 3.39e-01 1.16e-04 0.37200 1  
## 1808 -5.751 0.634000 1.92e-01 0.00e+00 0.33900 1  
## 1809 -8.513 0.632000 1.38e-01 0.00e+00 0.49700 1  
## 1810 -9.091 0.797000 1.84e-03 1.42e-05 0.20600 1  
## 1811 -4.119 0.996000 2.08e-03 0.00e+00 0.32700 1  
## 1812 -4.649 0.803000 6.47e-02 0.00e+00 0.65500 1  
## 1813 -10.291 0.365000 8.05e-01 3.27e-06 0.82400 2  
## 1814 -4.776 0.926000 2.52e-02 1.69e-01 0.65900 1  
## 1815 -1.799 0.984000 1.71e-01 0.00e+00 0.59700 1  
## 1816 -7.854 0.638000 1.79e-01 0.00e+00 0.52500 1  
## 1817 -2.320 0.684000 4.78e-01 1.40e-06 0.74800 1  
## 1818 -9.832 0.828000 3.53e-03 7.38e-06 0.49400 1  
## 1819 -13.682 0.158000 8.17e-01 0.00e+00 0.32900 2  
## 1820 -8.352 0.552000 5.64e-01 2.11e-01 0.06800 1  
## 1821 -5.183 0.730000 2.02e-01 0.00e+00 0.62500 1  
## 1822 -11.515 0.320000 6.72e-01 0.00e+00 0.40100 1  
## 1823 -6.555 0.503000 9.25e-02 0.00e+00 0.06880 1  
## 1824 -21.133 0.446000 1.21e-03 7.46e-01 0.03950 3  
## 1825 -28.765 0.427000 8.96e-01 9.05e-01 0.00189 4  
## 1826 -8.690 0.354000 7.85e-01 1.17e-06 0.17300 2  
## 1827 -6.249 0.956000 5.09e-03 8.63e-06 0.50200 1  
## 1828 -12.245 0.700000 4.36e-04 1.43e-04 0.31700 1  
## 1829 -15.680 0.209000 8.66e-01 2.26e-05 0.54900 2  
## 1830 -3.151 0.947000 2.50e-01 0.00e+00 0.88000 1  
## 1831 -18.813 0.153000 9.95e-01 8.67e-01 0.53100 4  
## 1832 -7.243 0.647000 2.81e-03 1.77e-05 0.50800 1  
## 1833 -13.262 0.296000 7.71e-01 0.00e+00 0.43500 2  
## 1834 -7.915 0.457000 1.72e-01 4.83e-04 0.76000 1  
## 1835 -13.256 0.363000 9.63e-01 2.71e-06 0.89200 2  
## 1836 -6.046 0.783000 4.73e-01 8.02e-06 0.78900 1  
## 1837 -2.360 0.913000 1.93e-02 8.59e-06 0.73000 1  
## 1838 -14.873 0.340000 2.16e-01 9.09e-01 0.03820 3  
## 1839 -6.759 0.627000 5.02e-01 0.00e+00 0.45200 1  
## 1840 -6.433 0.740000 6.31e-01 0.00e+00 0.80300 1  
## 1841 -11.914 0.472000 7.09e-03 9.25e-01 0.95100 3  
## 1842 -6.019 0.808000 1.91e-03 7.97e-04 0.90300 1  
## 1843 -15.846 0.227000 5.75e-01 5.91e-01 0.60900 4  
## 1844 -9.860 0.721000 6.12e-01 3.58e-04 0.67000 1  
## 1845 -7.106 0.833000 3.90e-04 2.47e-01 0.24400 3  
## 1846 -6.042 0.591000 7.88e-01 1.26e-05 0.65100 1  
## 1847 -7.091 0.530000 6.86e-02 0.00e+00 0.21900 1  
## 1848 -8.650 0.457000 6.11e-01 0.00e+00 0.32000 1  
## 1849 -21.971 0.059200 8.64e-01 5.88e-02 0.33700 2  
## 1850 -20.957 0.025600 9.81e-01 9.18e-01 0.10300 4  
## 1851 -6.234 0.639000 6.84e-02 0.00e+00 0.34700 1  
## 1852 -10.495 0.644000 1.12e-02 8.93e-01 0.13900 3  
## 1853 -8.859 0.764000 6.64e-02 9.27e-01 0.95600 3  
## 1854 -25.391 0.074900 9.94e-01 8.36e-01 0.20000 4  
## 1855 -5.321 0.829000 1.56e-01 8.02e-01 0.56600 3  
## 1856 -10.777 0.331000 6.40e-01 0.00e+00 0.63600 2  
## 1857 -9.230 0.694000 5.97e-01 0.00e+00 0.70800 1  
## 1858 -8.698 0.317000 7.07e-01 0.00e+00 0.59400 2  
## 1859 -8.632 0.458000 4.25e-01 2.66e-06 0.62100 1  
## 1860 -4.615 0.959000 3.56e-05 1.38e-04 0.33800 1  
## 1861 -2.010 0.866000 3.01e-02 0.00e+00 0.69600 1  
## 1862 -6.414 0.811000 5.81e-01 0.00e+00 0.68000 1  
## 1863 -12.155 0.225000 6.63e-01 9.47e-01 0.10500 4  
## 1864 -4.086 0.879000 1.56e-02 1.51e-02 0.49200 1  
## 1865 -4.340 0.917000 1.34e-01 4.89e-01 0.34500 3  
## 1866 -4.018 0.871000 4.07e-01 0.00e+00 0.76300 1  
## 1867 -7.480 0.323000 8.32e-01 0.00e+00 0.59800 2  
## 1868 -6.037 0.711000 7.40e-01 0.00e+00 0.68300 1  
## 1869 -9.671 0.410000 3.97e-02 2.70e-06 0.06920 1  
## 1870 -3.527 0.818000 5.65e-01 2.06e-06 0.91200 1  
## 1871 -5.198 0.715000 9.93e-02 2.91e-04 0.18700 1  
## 1872 -6.583 0.377000 9.92e-01 2.72e-04 0.58500 2  
## 1873 -7.417 0.499000 4.18e-01 0.00e+00 0.17400 1  
## 1874 -8.868 0.814000 7.17e-03 6.32e-02 0.81000 1  
## 1875 -4.557 0.887000 1.61e-03 1.43e-05 0.43800 1  
## 1876 -6.401 0.939000 9.41e-06 1.68e-03 0.35200 1  
## 1877 -12.367 0.336000 5.52e-01 0.00e+00 0.45900 1  
## 1878 -7.884 0.583000 6.23e-01 6.81e-04 0.42200 1  
## 1879 -2.815 0.953000 6.34e-01 0.00e+00 0.85200 1  
## 1880 -8.992 0.536000 3.81e-01 0.00e+00 0.57700 1  
## 1881 -4.973 0.912000 5.14e-01 0.00e+00 0.76700 1  
## 1882 -5.766 0.759000 3.91e-01 0.00e+00 0.94000 1  
## 1883 -4.345 0.754000 1.32e-01 0.00e+00 0.88300 1  
## 1884 -21.593 0.206000 1.57e-01 6.40e-01 0.03580 3  
## 1885 -16.376 0.239000 8.22e-01 0.00e+00 0.16600 2  
## 1886 -21.789 0.211000 8.74e-02 4.16e-06 0.35500 1  
## 1887 -12.637 0.107000 9.69e-01 1.30e-02 0.41400 2  
## 1888 -5.705 0.902000 4.40e-03 7.23e-03 0.62600 1  
## 1889 -8.060 0.967000 5.62e-06 8.74e-01 0.44500 3  
## 1890 -2.979 0.910000 1.22e-05 9.20e-02 0.30500 1  
## 1891 -21.957 0.280000 1.10e-01 8.78e-01 0.17700 3  
## 1892 -6.687 0.670000 4.19e-01 1.03e-05 0.70000 1  
## 1893 -6.374 0.767000 2.31e-04 9.53e-01 0.48600 3  
## 1894 -7.066 0.781000 4.52e-02 3.46e-03 0.27600 1  
## 1895 -5.807 0.957000 5.27e-03 0.00e+00 0.20500 1  
## 1896 -3.681 0.867000 4.93e-03 1.80e-06 0.61000 1  
## 1897 -7.777 0.607000 2.30e-02 5.49e-03 0.39800 1  
## 1898 -9.774 0.760000 7.71e-02 0.00e+00 0.40000 1  
## 1899 -8.266 0.681000 1.77e-01 2.68e-05 0.72300 1  
## 1900 -8.564 0.646000 6.58e-01 6.43e-01 0.81900 4  
## 1901 -26.527 0.985000 2.72e-01 9.40e-01 0.00876 3  
## 1902 -5.091 0.890000 7.81e-01 0.00e+00 0.80200 1  
## 1903 -5.111 0.920000 1.00e-02 0.00e+00 0.19300 1  
## 1904 -4.628 0.600000 4.46e-01 0.00e+00 0.70400 1  
## 1905 -1.654 0.939000 4.93e-05 6.50e-03 0.32900 1  
## 1906 -27.393 0.014000 9.95e-01 9.21e-01 0.10600 4  
## 1907 -5.665 0.900000 4.50e-03 5.96e-06 0.60600 1  
## 1908 -14.802 0.688000 8.92e-02 5.23e-05 0.51500 1  
## 1909 -10.055 0.631000 4.16e-02 2.37e-03 0.08870 1  
## 1910 -2.496 0.968000 8.35e-03 0.00e+00 0.69400 1  
## 1911 -12.967 0.422000 1.65e-02 1.83e-03 0.48700 1  
## 1912 -12.186 0.665000 1.19e-03 5.79e-01 0.20600 3  
## 1913 -8.312 0.745000 6.88e-03 6.51e-01 0.37900 3  
## 1914 -13.169 0.493000 3.11e-02 1.22e-06 0.80500 1  
## 1915 -8.418 0.580000 1.65e-01 8.17e-06 0.64900 1  
## 1916 -3.721 0.867000 2.97e-01 1.24e-06 0.85200 1  
## 1917 -9.797 0.833000 7.77e-04 4.89e-03 0.35700 1  
## 1918 -9.740 0.536000 1.83e-01 1.90e-05 0.50600 1  
## 1919 -6.611 0.951000 2.09e-03 6.83e-01 0.51200 3  
## 1920 -2.380 0.854000 5.24e-01 0.00e+00 0.96500 1  
## 1921 -7.720 0.718000 1.54e-01 1.88e-05 0.37400 1  
## 1922 -5.168 0.900000 5.08e-04 9.01e-01 0.11500 3  
## 1923 -14.424 0.193000 8.17e-01 0.00e+00 0.51000 2  
## 1924 -4.589 0.921000 1.94e-02 8.81e-02 0.70000 1  
## 1925 -9.481 0.350000 2.63e-02 8.68e-01 0.31000 3  
## 1926 -6.577 0.829000 2.93e-02 0.00e+00 0.57500 1  
## 1927 -15.703 0.132000 9.72e-01 4.74e-02 0.03580 2  
## 1928 -11.624 0.250000 7.34e-01 9.28e-04 0.11500 2  
## 1929 -4.664 0.693000 2.70e-02 0.00e+00 0.57200 1  
## 1930 -8.305 0.616000 9.45e-01 0.00e+00 0.68700 2  
## 1931 -11.597 0.553000 2.05e-02 9.01e-01 0.26400 3  
## 1932 -16.376 0.108000 8.61e-01 9.34e-01 0.06310 4  
## 1933 -4.496 0.961000 8.98e-02 0.00e+00 0.84200 1  
## 1934 -8.779 0.366000 4.32e-01 0.00e+00 0.98300 1  
## 1935 -4.587 0.828000 9.28e-03 1.95e-04 0.67500 1  
## 1936 -7.837 0.590000 4.67e-01 7.90e-01 0.60200 3  
## 1937 -7.745 0.724000 8.97e-03 6.89e-04 0.69800 1  
## 1938 -14.610 0.188000 8.73e-01 2.70e-04 0.51100 2  
## 1939 -10.718 0.634000 1.11e-01 0.00e+00 0.88600 1  
## 1940 -6.288 0.906000 1.13e-02 1.21e-04 0.59300 1  
## 1941 -4.670 0.867000 4.15e-02 0.00e+00 0.86200 1  
## 1942 -7.005 0.555000 3.66e-02 6.18e-04 0.07570 1  
## 1943 -12.913 0.292000 5.06e-01 4.12e-06 0.40400 1  
## 1944 -12.332 0.445000 8.41e-01 1.76e-06 0.79500 2  
## 1945 -6.970 0.834000 6.10e-01 0.00e+00 0.49500 1  
## 1946 -10.252 0.704000 1.15e-01 1.86e-06 0.57400 1  
## 1947 -19.877 0.271000 8.46e-01 8.15e-01 0.05640 4  
## 1948 -7.491 0.400000 5.47e-01 4.48e-03 0.18600 1  
## 1949 -7.247 0.498000 7.58e-02 1.51e-06 0.22100 1  
## 1950 -15.338 0.147000 9.46e-01 5.72e-05 0.10400 2  
## 1951 -6.141 0.881000 1.34e-02 0.00e+00 0.54100 1  
## 1952 -6.377 0.713000 6.32e-01 0.00e+00 0.44700 1  
## 1953 -7.080 0.885000 1.81e-02 8.80e-01 0.63600 3  
## 1954 -7.913 0.669000 2.24e-01 0.00e+00 0.72400 1  
## 1955 -7.553 0.955000 3.52e-06 7.91e-02 0.21300 1  
## 1956 -9.600 0.540000 5.23e-01 1.34e-06 0.44000 1  
## 1957 -14.316 0.194000 9.14e-01 6.98e-02 0.43000 2  
## 1958 -23.446 0.028400 9.76e-01 6.73e-01 0.03620 4  
## 1959 -7.961 0.448000 8.69e-01 4.60e-04 0.49000 2  
## 1960 -2.073 0.941000 1.78e-03 1.21e-02 0.25800 1  
## 1961 -6.937 0.826000 8.48e-03 8.98e-06 0.87000 1  
## 1962 -6.317 0.629000 2.58e-04 3.61e-06 0.80400 1  
## 1963 -25.703 0.035900 9.96e-01 9.24e-01 0.15500 4  
## 1964 -6.600 0.693000 2.99e-01 0.00e+00 0.96200 1  
## 1965 -6.481 0.805000 1.37e-01 0.00e+00 0.79700 1  
## 1966 -6.512 0.761000 4.86e-01 0.00e+00 0.88100 1  
## 1967 -2.928 0.876000 3.25e-02 0.00e+00 0.42100 1  
## 1968 -5.075 0.618000 7.26e-01 1.10e-04 0.43300 2  
## 1969 -13.742 0.294000 9.18e-01 1.36e-04 0.57500 2  
## 1970 -4.598 0.946000 1.12e-04 0.00e+00 0.47100 1  
## 1971 -14.074 0.508000 8.02e-01 3.94e-04 0.42600 2  
## 1972 -22.967 0.269000 1.00e-01 7.90e-01 0.03410 3  
## 1973 -3.817 0.947000 1.32e-02 0.00e+00 0.49800 1  
## 1974 -12.244 0.289000 5.86e-01 3.19e-06 0.86600 1  
## 1975 -22.933 0.000242 7.69e-06 8.54e-01 0.00000 3  
## 1976 -12.996 0.683000 9.15e-03 8.94e-01 0.62700 3  
## 1977 -13.019 0.294000 8.30e-01 5.18e-05 0.31100 2  
## 1978 -13.232 0.497000 3.96e-02 0.00e+00 0.78100 1  
## 1979 -6.688 0.682000 1.46e-02 0.00e+00 0.55100 1  
## 1980 -9.492 0.402000 9.64e-01 1.61e-02 0.63200 2  
## 1981 -3.294 0.919000 1.27e-03 0.00e+00 0.29200 1  
## 1982 -19.116 0.139000 7.71e-01 9.56e-01 0.03460 4  
## 1983 -12.451 0.459000 7.33e-01 5.93e-02 0.35000 2  
## 1984 -3.653 0.981000 7.87e-05 9.28e-01 0.06620 3  
## 1985 -5.370 0.921000 3.03e-02 2.27e-01 0.69200 1  
## 1986 -6.867 0.595000 2.90e-03 8.74e-01 0.34600 3  
## 1987 -11.520 0.459000 1.46e-02 9.10e-01 0.13700 3  
## 1988 -20.655 0.087800 8.94e-01 5.10e-01 0.03740 4  
## 1989 -10.637 0.251000 8.52e-01 1.19e-04 0.65000 2  
## 1990 -22.884 0.075200 9.73e-01 9.21e-01 0.08490 4  
## 1991 -10.965 0.313000 5.86e-01 0.00e+00 0.57800 2  
## 1992 -2.648 0.975000 6.04e-02 1.24e-06 0.84200 1  
## 1993 -3.400 0.922000 1.35e-02 2.04e-01 0.39300 1  
## 1994 -5.095 0.959000 3.58e-04 0.00e+00 0.63700 1  
## 1995 -11.095 0.816000 9.59e-03 5.78e-01 0.42700 3  
## 1996 -10.046 0.577000 2.58e-01 1.02e-04 0.68900 1  
## 1997 -8.034 0.873000 2.05e-01 0.00e+00 0.92200 1  
## 1998 -4.574 0.948000 1.73e-01 0.00e+00 0.86300 1  
## 1999 -7.763 0.804000 3.09e-01 1.81e-06 0.75700 1  
## 2000 -4.403 0.996000 1.08e-05 4.49e-04 0.24600 1  
## 2001 -2.402 0.903000 1.07e-03 8.91e-01 0.88800 3  
## 2002 -6.474 0.561000 4.26e-01 0.00e+00 0.31000 1  
## 2003 -23.331 0.118000 8.45e-01 9.08e-01 0.26200 4  
## 2004 -10.579 0.473000 3.41e-01 8.28e-01 0.06150 3  
## 2005 -5.170 0.849000 6.27e-04 1.15e-03 0.24500 1  
## 2006 -5.588 0.721000 2.59e-01 0.00e+00 0.66000 1  
## 2007 -11.948 0.384000 8.25e-01 2.99e-02 0.65700 2  
## 2008 -7.777 0.598000 9.04e-02 5.51e-01 0.18000 3  
## 2009 -11.558 0.805000 9.99e-02 9.11e-01 0.77200 3  
## 2010 -9.849 0.700000 8.27e-02 1.31e-01 0.53700 1  
## 2011 -7.153 0.635000 1.20e-01 2.06e-04 0.43900 1  
## 2012 -3.288 0.836000 2.21e-05 9.60e-01 0.14000 3  
## 2013 -10.725 0.425000 4.12e-01 1.73e-02 0.71300 2  
## 2014 -22.676 0.147000 8.74e-01 8.04e-01 0.11200 4  
## 2015 -13.594 0.413000 5.82e-01 5.41e-03 0.63400 2  
## 2016 -3.218 0.963000 9.57e-02 0.00e+00 0.70100 1  
## 2017 -5.136 0.750000 3.15e-04 1.82e-01 0.15500 1  
## 2018 -13.952 0.744000 9.63e-02 1.09e-02 0.80700 1  
## 2019 -4.355 0.790000 2.64e-01 3.91e-05 0.91400 1  
## 2020 -3.709 0.733000 3.06e-01 0.00e+00 0.69400 1  
## 2021 -10.824 0.394000 6.36e-01 0.00e+00 0.33900 1  
## 2022 -10.411 0.191000 7.65e-01 0.00e+00 0.50300 2  
## 2023 -8.577 0.575000 9.31e-01 7.86e-01 0.38900 4  
## 2024 -3.823 0.994000 1.55e-05 7.02e-03 0.34300 1  
## 2025 -6.788 0.820000 7.76e-01 0.00e+00 0.48400 2  
## 2026 -6.079 0.893000 3.65e-03 6.36e-02 0.34200 1  
## 2027 -3.365 0.808000 2.35e-04 0.00e+00 0.38000 1  
## 2028 -4.179 0.765000 1.01e-01 8.28e-04 0.38400 1  
## 2029 -11.218 0.362000 4.58e-02 6.01e-06 0.15800 1  
## 2030 -7.950 0.794000 1.99e-03 6.77e-04 0.81300 1  
## 2031 -17.820 0.440000 7.19e-01 8.95e-01 0.40700 4  
## 2032 -9.810 0.350000 7.44e-01 0.00e+00 0.68200 2  
## 2033 -12.159 0.195000 6.17e-01 2.60e-01 0.52400 2  
## 2034 -4.132 0.941000 1.02e-05 4.67e-01 0.52800 3  
## 2035 -7.805 0.685000 1.19e-01 0.00e+00 0.27700 1  
## 2036 -6.372 0.439000 8.46e-01 0.00e+00 0.56000 2  
## 2037 -18.628 0.475000 2.63e-01 7.01e-03 0.40600 1  
## 2038 -5.921 0.712000 6.57e-01 0.00e+00 0.84700 1  
## 2039 -11.919 0.340000 4.46e-01 6.41e-02 0.06400 1  
## 2040 -7.074 0.786000 3.70e-05 7.05e-01 0.39800 3  
## 2041 -4.379 0.672000 1.19e-01 0.00e+00 0.75400 1  
## 2042 -8.007 0.464000 2.37e-01 0.00e+00 0.50900 1  
## 2043 -10.113 0.322000 8.26e-01 0.00e+00 0.45100 2  
## 2044 -6.517 0.869000 3.76e-01 1.57e-06 0.89400 1  
## 2045 -4.378 0.727000 2.37e-01 0.00e+00 0.50100 1  
## 2046 -11.413 0.382000 9.87e-01 1.65e-01 0.44700 2  
## 2047 -8.958 0.772000 7.82e-02 3.57e-05 0.39200 1  
## 2048 -3.528 0.961000 4.48e-03 6.25e-01 0.14900 3  
## 2049 -4.980 0.940000 6.13e-06 2.36e-05 0.17800 1  
## 2050 -20.848 0.547000 8.14e-05 9.69e-01 0.02330 3  
## 2051 -8.881 0.612000 1.04e-01 5.49e-06 0.16600 1  
## 2052 -15.163 0.245000 2.77e-01 6.98e-04 0.15200 1  
## 2053 -6.609 0.749000 1.45e-01 0.00e+00 0.73300 1  
## 2054 -11.359 0.435000 4.49e-01 0.00e+00 0.43500 1  
## 2055 -7.524 0.578000 4.43e-01 0.00e+00 0.22700 1  
## 2056 -15.958 0.259000 7.73e-01 7.13e-01 0.05010 4  
## 2057 -6.799 0.787000 8.65e-05 5.34e-05 0.52600 1  
## 2058 -4.702 0.527000 5.63e-02 4.12e-04 0.58800 1  
## 2059 -5.669 0.311000 9.90e-01 0.00e+00 0.48700 2  
## 2060 -12.691 0.385000 5.09e-01 1.72e-02 0.26000 1  
## 2061 -7.751 0.683000 2.93e-03 0.00e+00 0.74800 1  
## 2062 -8.890 0.503000 5.83e-03 8.09e-01 0.38000 3  
## 2063 -29.867 0.019300 9.17e-01 1.36e-03 0.31000 2  
## 2064 -2.770 0.951000 3.90e-01 2.08e-06 0.93800 1  
## 2065 -7.030 0.831000 3.04e-03 3.21e-03 0.72100 1  
## 2066 -8.327 0.294000 7.64e-01 0.00e+00 0.12600 2  
## 2067 -5.146 0.817000 1.18e-01 0.00e+00 0.43700 1  
## 2068 -10.886 0.519000 2.71e-02 9.44e-01 0.47800 3  
## 2069 -9.227 0.395000 7.80e-01 1.79e-02 0.08110 2  
## 2070 -3.174 0.911000 1.44e-03 2.17e-06 0.68400 1  
## 2071 -6.997 0.499000 1.66e-02 0.00e+00 0.23200 1  
## 2072 -10.685 0.209000 9.19e-01 1.98e-06 0.14100 2  
## 2073 -4.568 0.808000 2.20e-01 0.00e+00 0.86900 1  
## 2074 -5.919 0.506000 9.10e-01 6.35e-01 0.04310 4  
## 2075 -9.381 0.596000 9.76e-03 2.16e-03 0.31400 1  
## 2076 -5.670 0.749000 1.13e-02 1.06e-01 0.64900 1  
## 2077 -4.639 0.818000 4.70e-01 0.00e+00 0.78200 1  
## 2078 -10.524 0.676000 2.14e-01 8.47e-01 0.88700 3  
## 2079 -6.612 0.831000 2.35e-01 1.42e-03 0.67800 1  
## 2080 -5.873 0.860000 4.61e-01 0.00e+00 0.96300 1  
## 2081 -6.972 0.473000 4.19e-01 0.00e+00 0.20100 1  
## 2082 -6.791 0.887000 6.96e-01 1.69e-06 0.81900 1  
## 2083 -5.643 0.880000 3.02e-01 0.00e+00 0.78600 1  
## 2084 -9.327 0.339000 9.22e-01 0.00e+00 0.14800 2  
## 2085 -3.214 0.934000 2.38e-02 0.00e+00 0.96000 1  
## 2086 -4.126 0.951000 5.80e-04 1.65e-03 0.49100 1  
## 2087 -5.409 0.564000 2.70e-01 1.53e-05 0.23100 1  
## 2088 -4.008 0.954000 5.49e-05 1.37e-04 0.48800 1  
## 2089 -3.291 0.988000 1.93e-05 8.14e-01 0.19400 3  
## 2090 -5.325 0.859000 6.23e-01 0.00e+00 0.72800 1  
## 2091 -4.877 0.954000 4.55e-04 0.00e+00 0.48500 1  
## 2092 -5.044 0.472000 7.01e-01 8.31e-01 0.63600 4  
## 2093 -12.384 0.359000 3.57e-01 8.55e-06 0.20600 1  
## 2094 -6.530 0.710000 6.05e-01 1.51e-06 0.85800 1  
## 2095 -14.908 0.821000 5.40e-02 9.18e-01 0.91200 3  
## 2096 -6.942 0.450000 7.50e-01 0.00e+00 0.19300 2  
## 2097 -3.228 0.993000 5.75e-04 0.00e+00 0.54000 1  
## 2098 -6.823 0.882000 1.17e-01 0.00e+00 0.46800 1  
## 2099 -4.562 0.968000 6.90e-05 1.41e-01 0.03870 1  
## 2100 -7.761 0.674000 4.83e-01 0.00e+00 0.86200 1  
## 2101 -3.844 0.968000 4.07e-05 9.72e-01 0.03600 3  
## 2102 -3.487 0.960000 1.42e-02 0.00e+00 0.08570 1  
## 2103 -9.790 0.274000 2.62e-01 2.30e-01 0.04050 1  
## 2104 -28.215 0.007090 9.93e-01 8.75e-01 0.24500 4  
## 2105 -6.178 0.787000 4.92e-02 0.00e+00 0.52500 1  
## 2106 -3.315 0.921000 2.37e-02 4.89e-06 0.77000 1  
## 2107 -2.941 0.983000 1.53e-02 2.23e-03 0.57200 1  
## 2108 -6.484 0.789000 3.79e-01 0.00e+00 0.75300 1  
## 2109 -10.080 0.723000 5.66e-05 4.32e-04 0.55400 1  
## 2110 -22.980 0.988000 1.59e-01 8.49e-01 0.01030 3  
## 2111 -12.764 0.921000 1.18e-05 8.91e-01 0.09290 3  
## 2112 -14.966 0.298000 9.74e-01 2.30e-05 0.52900 2  
## 2113 -5.081 0.949000 2.32e-01 4.91e-04 0.78500 1  
## 2114 -19.015 0.544000 9.71e-01 4.89e-02 0.03420 2  
## 2115 -8.324 0.280000 8.57e-01 7.07e-06 0.45500 2  
## 2116 -25.223 0.219000 9.61e-01 4.80e-01 0.25500 4  
## 2117 -4.802 0.947000 8.18e-04 2.13e-03 0.30000 1  
## 2118 -5.576 0.741000 5.65e-02 0.00e+00 0.49800 1  
## 2119 -4.369 0.883000 3.63e-01 0.00e+00 0.59300 1  
## 2120 -5.957 0.875000 2.03e-01 1.51e-03 0.52300 1  
## 2121 -11.594 0.846000 2.42e-06 8.99e-01 0.35900 3  
## 2122 -7.804 0.802000 8.87e-02 0.00e+00 0.45100 1  
## 2123 -6.543 0.898000 3.28e-04 7.96e-01 0.22900 3  
## 2124 -6.941 0.676000 3.68e-04 9.33e-01 0.03730 3  
## 2125 -4.158 0.820000 9.72e-04 0.00e+00 0.71000 1  
## 2126 -3.213 0.847000 1.07e-01 0.00e+00 0.71200 1  
## 2127 -4.478 0.828000 1.74e-01 0.00e+00 0.80100 1  
## 2128 -13.911 0.348000 9.87e-01 1.04e-01 0.90000 2  
## 2129 -8.799 0.419000 1.73e-02 5.05e-01 0.21600 3  
## 2130 -11.154 0.103000 9.65e-01 2.32e-06 0.43800 2  
## 2131 -9.284 0.528000 5.92e-01 0.00e+00 0.67500 2  
## 2132 -2.911 0.918000 2.82e-02 0.00e+00 0.69600 1  
## 2133 -10.762 0.722000 1.15e-04 2.08e-02 0.28400 1  
## 2134 -12.610 0.730000 1.42e-01 9.21e-01 0.56200 3  
## 2135 -6.283 0.555000 2.30e-01 0.00e+00 0.50400 1  
## 2136 -10.540 0.557000 5.32e-01 8.36e-01 0.42600 3  
## 2137 -14.788 0.279000 4.47e-01 0.00e+00 0.40500 1  
## 2138 -7.246 0.855000 6.34e-01 9.35e-01 0.57600 3  
## 2139 -2.703 0.991000 1.95e-03 0.00e+00 0.66500 1  
## 2140 -11.252 0.343000 9.69e-01 6.40e-03 0.26100 2  
## 2141 -2.779 0.996000 1.58e-05 2.32e-02 0.05760 1  
## 2142 -4.130 0.966000 2.62e-04 1.48e-01 0.21500 1  
## 2143 -3.082 0.906000 1.46e-04 2.29e-02 0.03900 1  
## 2144 -9.023 0.499000 7.32e-01 9.36e-01 0.33800 4  
## 2145 -8.825 0.787000 6.83e-01 0.00e+00 0.90000 1  
## 2146 -3.897 0.514000 5.81e-01 0.00e+00 0.36400 1  
## 2147 -5.970 0.567000 4.17e-01 0.00e+00 0.22300 1  
## 2148 -4.208 0.946000 5.76e-04 0.00e+00 0.27000 1  
## 2149 -10.151 0.595000 3.33e-01 0.00e+00 0.51900 1  
## 2150 -12.539 0.325000 4.16e-01 0.00e+00 0.19400 1  
## 2151 -4.108 0.871000 2.88e-06 7.16e-01 0.48500 3  
## 2152 -16.525 0.305000 6.75e-01 9.84e-01 0.00001 4  
## 2153 -6.349 0.925000 1.35e-05 7.03e-01 0.20000 3  
## 2154 -14.156 0.686000 7.25e-05 6.72e-01 0.96100 3  
## 2155 -4.733 0.798000 4.16e-03 2.83e-03 0.81200 1  
## 2156 -8.043 0.686000 3.27e-02 0.00e+00 0.68300 1  
## 2157 -6.487 0.819000 1.91e-02 1.33e-02 0.73200 1  
## 2158 -8.762 0.952000 1.69e-02 1.11e-02 0.47200 1  
## 2159 -4.790 0.949000 6.14e-04 2.44e-04 0.50300 1  
## 2160 -2.731 0.985000 1.25e-02 2.35e-04 0.51400 1  
## 2161 -9.873 0.282000 9.28e-01 0.00e+00 0.29600 2  
## 2162 -16.836 0.093200 9.65e-01 1.78e-05 0.63300 2  
## 2163 -7.038 0.894000 1.94e-03 5.52e-01 0.86500 3  
## 2164 -5.966 0.620000 1.95e-01 7.78e-01 0.68100 3  
## 2165 -8.212 0.633000 3.36e-01 4.60e-05 0.89500 1  
## 2166 -4.645 0.816000 4.83e-01 0.00e+00 0.79000 1  
## 2167 -8.236 0.680000 5.43e-03 1.62e-04 0.11800 1  
## 2168 -14.264 0.284000 6.87e-01 4.44e-03 0.16900 2  
## 2169 -8.738 0.468000 5.55e-03 9.85e-02 0.53200 1  
## 2170 -14.222 0.280000 7.01e-01 7.07e-01 0.08430 4  
## 2171 -11.418 0.282000 7.76e-01 2.88e-03 0.31700 2  
## 2172 -6.128 0.975000 6.07e-05 1.00e-01 0.27600 1  
## 2173 -12.555 0.164000 9.93e-01 2.68e-03 0.39300 2  
## 2174 -4.615 0.861000 6.12e-02 2.89e-04 0.62500 1  
## 2175 -10.373 0.412000 2.51e-01 3.21e-04 0.38800 1  
## 2176 -11.082 0.336000 4.09e-01 0.00e+00 0.25000 1  
## 2177 -4.365 0.923000 7.29e-02 0.00e+00 0.78600 1  
## 2178 -5.696 0.691000 8.05e-02 0.00e+00 0.38200 1  
## 2179 -6.388 0.879000 1.39e-01 0.00e+00 0.54600 1  
## 2180 -13.299 0.795000 6.15e-01 9.48e-01 0.91600 3  
## 2181 -8.272 0.666000 2.56e-01 0.00e+00 0.92300 1  
## 2182 -5.258 0.677000 8.36e-03 0.00e+00 0.14400 1  
## 2183 -8.809 0.560000 7.23e-01 0.00e+00 0.91300 1  
## 2184 -18.982 0.135000 9.79e-01 9.48e-01 0.08300 4  
## 2185 -6.847 0.883000 4.83e-03 2.99e-03 0.79800 1  
## 2186 -4.394 0.672000 3.63e-02 8.78e-06 0.52600 1  
## 2187 -8.716 0.717000 1.80e-01 0.00e+00 0.79800 1  
## 2188 -20.386 0.115000 9.84e-01 9.75e-01 0.18800 4  
## 2189 -8.386 0.544000 8.71e-01 2.19e-04 0.49100 2  
## 2190 -7.621 0.948000 9.69e-05 1.98e-01 0.31800 1  
## 2191 -3.860 0.985000 5.11e-04 2.18e-05 0.71300 1  
## 2192 -5.094 0.901000 1.99e-02 1.56e-03 0.98500 1  
## 2193 -4.812 0.896000 1.53e-02 1.26e-05 0.82000 1  
## 2194 -5.775 0.857000 7.60e-02 4.58e-03 0.63300 1  
## 2195 -5.040 0.992000 1.31e-03 5.96e-03 0.10000 1  
## 2196 -7.197 0.419000 3.32e-01 8.74e-01 0.35800 3  
## 2197 -10.024 0.480000 1.67e-02 0.00e+00 0.63300 1  
## 2198 -9.967 0.617000 9.33e-01 9.26e-01 0.55200 4  
## 2199 -14.454 0.225000 9.02e-01 6.57e-01 0.24300 4  
## 2200 -4.688 0.936000 6.16e-04 6.88e-05 0.35900 1  
## 2201 -5.116 0.963000 2.86e-04 8.89e-04 0.82300 1  
## 2202 -13.116 0.113000 8.83e-01 7.63e-03 0.06280 2  
## 2203 -6.547 0.964000 2.52e-05 6.49e-02 0.21000 1  
## 2204 -6.189 0.882000 4.25e-02 0.00e+00 0.63300 1  
## 2205 -4.296 0.917000 4.76e-04 2.19e-06 0.24500 1  
## 2206 -7.241 0.676000 2.34e-02 0.00e+00 0.37300 1  
## 2207 -8.289 0.459000 8.80e-01 2.16e-03 0.47300 2  
## 2208 -4.667 0.785000 2.76e-01 0.00e+00 0.49100 1  
## 2209 -5.211 0.910000 5.04e-02 0.00e+00 0.67500 1  
## 2210 -12.184 0.267000 5.33e-01 0.00e+00 0.71400 2  
## 2211 -14.144 0.254000 9.17e-01 1.00e-04 0.45500 2  
## 2212 -12.502 0.541000 7.72e-03 5.46e-01 0.52700 3  
## 2213 -8.230 0.615000 3.84e-02 0.00e+00 0.74600 1  
## 2214 -15.620 0.173000 9.89e-01 3.79e-03 0.68500 2  
## 2215 -8.361 0.886000 4.57e-04 0.00e+00 0.31200 1  
## 2216 -4.935 0.696000 8.57e-02 8.09e-05 0.31200 1  
## 2217 -4.063 0.934000 2.97e-05 8.90e-03 0.28500 1  
## 2218 -2.293 0.982000 9.11e-05 1.49e-01 0.50100 1  
## 2219 -4.157 0.964000 5.99e-04 1.14e-05 0.71200 1  
## 2220 -4.995 0.946000 5.49e-02 0.00e+00 0.85500 1  
## 2221 -5.668 0.849000 4.79e-02 0.00e+00 0.36500 1  
## 2222 -5.297 0.714000 2.80e-01 0.00e+00 0.96900 1  
## 2223 -28.367 0.058000 7.93e-01 8.92e-01 0.03430 4  
## 2224 -1.559 0.951000 1.48e-01 0.00e+00 0.32400 1  
## 2225 -8.001 0.990000 3.75e-04 4.19e-01 0.92600 3  
## 2226 -10.068 0.932000 1.30e-02 1.69e-01 0.61900 1  
## 2227 -3.208 0.991000 1.32e-06 7.19e-01 0.16600 3  
## 2228 -7.096 0.624000 7.54e-02 7.62e-04 0.47200 1  
## 2229 -4.285 0.931000 2.04e-05 6.04e-01 0.61600 3  
## 2230 -10.263 0.414000 9.27e-01 3.57e-04 0.35600 2  
## 2231 -8.007 0.780000 2.40e-03 5.06e-02 0.51000 1  
## 2232 -4.895 0.971000 7.21e-06 8.96e-01 0.66400 3  
## 2233 -5.237 0.979000 2.06e-02 8.30e-01 0.35600 3  
## 2234 -12.435 0.681000 7.25e-01 0.00e+00 0.96300 1  
## 2235 -13.693 0.183000 8.82e-01 5.58e-06 0.20100 2  
## 2236 -5.822 0.867000 4.29e-04 1.37e-06 0.24800 1  
## 2237 -4.941 0.603000 2.30e-01 0.00e+00 0.20800 1  
## 2238 -8.953 0.601000 8.41e-01 0.00e+00 0.60100 2  
## 2239 -4.470 0.896000 9.40e-03 3.45e-04 0.96200 1  
## 2240 -4.168 0.972000 2.98e-06 2.67e-02 0.35700 1  
## 2241 -11.013 0.396000 2.21e-01 0.00e+00 0.71800 1  
## 2242 -12.115 0.273000 4.98e-01 2.48e-04 0.13900 1  
## 2243 -4.874 0.728000 2.52e-05 7.41e-05 0.53500 1  
## 2244 -8.515 0.818000 1.11e-01 0.00e+00 0.47500 1  
## 2245 -25.318 0.377000 5.46e-01 0.00e+00 0.34200 1  
## 2246 -12.231 0.400000 7.72e-01 2.64e-02 0.14300 2  
## 2247 -14.140 0.672000 3.79e-01 8.95e-01 0.14000 3  
## 2248 -23.622 0.233000 8.43e-01 8.76e-01 0.03880 4  
## 2249 -4.388 0.706000 9.22e-01 0.00e+00 0.80200 2  
## 2250 -7.507 0.713000 1.60e-01 0.00e+00 0.44700 1  
## 2251 -9.599 0.596000 7.66e-01 8.88e-02 0.59700 2  
## 2252 -6.016 0.733000 6.70e-01 0.00e+00 0.67200 1  
## 2253 -5.944 0.949000 1.16e-01 1.87e-05 0.67000 1  
## 2254 -11.425 0.259000 6.52e-01 0.00e+00 0.56200 2  
## 2255 -7.432 0.464000 7.39e-01 1.33e-06 0.87000 2  
## 2256 -9.319 0.467000 2.17e-02 9.31e-01 0.55900 3  
## 2257 -7.451 0.723000 4.08e-01 4.77e-05 0.86900 1  
## 2258 -4.449 0.947000 8.61e-01 0.00e+00 0.35400 2  
## 2259 -15.596 0.224000 1.89e-01 2.01e-01 0.33900 1  
## 2260 -3.867 0.728000 3.88e-01 0.00e+00 0.57000 1  
## 2261 -6.666 0.959000 2.15e-01 5.35e-04 0.55600 1  
## 2262 -8.465 0.557000 7.51e-01 0.00e+00 0.79700 1  
## 2263 -11.245 0.793000 4.36e-01 5.84e-03 0.06540 1  
## 2264 -10.577 0.260000 9.13e-01 2.10e-06 0.49000 2  
## 2265 -22.729 0.157000 8.89e-01 9.47e-01 0.06840 4  
## 2266 -3.933 0.932000 1.39e-04 7.02e-05 0.46000 1  
## 2267 -5.907 0.727000 3.16e-02 1.88e-01 0.78800 1  
## 2268 -2.614 0.990000 2.61e-03 0.00e+00 0.55800 1  
## 2269 -7.515 0.733000 3.64e-01 8.32e-06 0.90300 1  
## 2270 -6.827 0.920000 1.15e-03 8.88e-01 0.13500 3  
## 2271 -8.921 0.411000 7.45e-01 6.08e-05 0.34800 2  
## 2272 -7.372 0.414000 3.71e-02 7.91e-01 0.12200 3  
## 2273 -25.310 0.034900 9.95e-01 9.51e-01 0.35400 4  
## 2274 -22.530 0.056000 9.49e-01 7.65e-01 0.04370 4  
## 2275 -6.136 0.524000 4.20e-01 9.27e-06 0.71100 1  
## 2276 -1.076 0.963000 1.19e-01 9.09e-01 0.23900 3  
## 2277 -9.080 0.451000 8.22e-01 0.00e+00 0.53400 2  
## 2278 -5.422 0.791000 3.53e-01 0.00e+00 0.70800 1  
## 2279 -6.696 0.641000 1.04e-02 0.00e+00 0.13400 1  
## 2280 -6.964 0.476000 2.10e-01 1.27e-04 0.17000 1  
## 2281 -5.660 0.676000 1.65e-02 9.10e-01 0.14700 3  
## 2282 -4.629 0.773000 1.58e-03 9.57e-02 0.54100 1  
## 2283 -8.237 0.655000 7.88e-01 9.01e-01 0.45400 4  
## 2284 -6.228 0.829000 3.86e-01 6.20e-05 0.74400 1  
## 2285 -11.164 0.494000 9.38e-01 9.34e-04 0.59200 2  
## 2286 -19.407 0.155000 8.90e-01 9.35e-01 0.25700 4  
## 2287 -6.120 0.898000 5.58e-06 1.41e-01 0.48200 1  
## 2288 -5.879 0.544000 4.98e-01 1.15e-06 0.34500 1  
## 2289 -4.449 0.791000 3.63e-01 0.00e+00 0.31500 1  
## 2290 -12.130 0.324000 8.88e-01 2.64e-04 0.16100 2  
## 2291 -9.590 0.130000 9.47e-01 0.00e+00 0.33800 2  
## 2292 -9.410 0.820000 1.45e-03 5.12e-01 0.19500 3  
## 2293 -5.703 0.711000 1.70e-03 2.51e-02 0.95900 1  
## 2294 -10.492 0.614000 5.27e-01 1.75e-02 0.60100 2  
## 2295 -4.874 0.575000 6.79e-02 7.22e-05 0.33000 1  
## 2296 -4.363 0.742000 2.86e-03 1.05e-03 0.47000 1  
## 2297 -8.868 0.617000 7.41e-01 2.67e-01 0.81300 1  
## 2298 -5.556 0.817000 1.33e-01 0.00e+00 0.56400 1  
## 2299 -3.705 0.729000 4.48e-01 0.00e+00 0.77300 1  
## 2300 -10.238 0.447000 7.42e-01 0.00e+00 0.53600 2  
## 2301 -6.906 0.793000 5.64e-02 0.00e+00 0.94300 1  
## 2302 -7.525 0.746000 7.84e-02 0.00e+00 0.84200 1  
## 2303 -5.188 0.762000 2.24e-02 0.00e+00 0.85900 1  
## 2304 -6.354 0.653000 5.28e-02 9.48e-01 0.78400 3  
## 2305 -2.466 0.926000 4.43e-06 4.67e-03 0.14900 1  
## 2306 -7.490 0.543000 9.76e-01 6.46e-01 0.52000 4  
## 2307 -7.981 0.833000 3.27e-04 2.36e-05 0.58600 1  
## 2308 -13.649 0.327000 8.85e-01 0.00e+00 0.12900 2  
## 2309 -4.488 0.989000 3.64e-04 2.48e-05 0.40700 1  
## 2310 -13.232 0.601000 1.47e-01 1.06e-01 0.67900 1  
## 2311 -7.787 0.324000 9.23e-01 3.35e-05 0.44600 2  
## 2312 -7.297 0.432000 8.88e-01 6.17e-01 0.12600 4  
## 2313 -4.478 0.752000 4.92e-01 0.00e+00 0.45700 1  
## 2314 -6.156 0.602000 5.25e-02 0.00e+00 0.19000 1  
## 2315 -19.674 0.108000 9.83e-01 8.49e-01 0.15900 4  
## 2316 -10.192 0.719000 2.21e-02 0.00e+00 0.58500 1  
## 2317 -25.938 0.071200 7.95e-01 9.21e-01 0.04470 4  
## 2318 -5.778 0.989000 7.96e-05 3.78e-01 0.53400 3  
## 2319 -5.595 0.660000 2.08e-01 0.00e+00 0.54900 1  
## 2320 -7.354 0.679000 6.73e-01 4.41e-04 0.87700 1  
## 2321 -14.684 0.228000 8.34e-01 8.05e-04 0.16100 2  
## 2322 -5.248 0.674000 8.81e-02 0.00e+00 0.24800 1  
## 2323 -4.917 0.939000 2.24e-05 2.89e-05 0.45400 1  
## 2324 -8.286 0.747000 4.13e-01 3.56e-05 0.26600 1  
## 2325 -10.658 0.489000 9.19e-01 1.90e-05 0.76000 2  
## 2326 -10.506 0.662000 7.67e-01 0.00e+00 0.74700 1  
## 2327 -6.441 0.870000 1.85e-01 6.15e-05 0.87800 1  
## 2328 -10.938 0.478000 6.29e-01 0.00e+00 0.82400 1  
## 2329 -7.694 0.660000 3.46e-01 0.00e+00 0.81800 1  
## 2330 -5.928 0.459000 6.42e-01 1.48e-06 0.23200 1  
## 2331 -6.554 0.813000 2.21e-03 2.04e-02 0.38200 1  
## 2332 -12.112 0.374000 8.65e-01 3.04e-04 0.24400 2  
## 2333 -10.465 0.811000 4.26e-03 1.26e-01 0.74300 1  
## 2334 -4.387 0.765000 1.78e-02 0.00e+00 0.68500 1  
## 2335 -6.218 0.727000 1.39e-03 0.00e+00 0.30700 1  
## 2336 -10.624 0.429000 4.17e-01 4.90e-01 0.32400 4  
## 2337 -7.521 0.479000 7.56e-01 0.00e+00 0.51700 2  
## 2338 -4.361 0.606000 6.87e-01 1.89e-04 0.58100 2  
## 2339 -20.256 0.078500 9.69e-01 4.99e-01 0.07480 4  
## 2340 -6.897 0.836000 3.07e-01 0.00e+00 0.95000 1  
## 2341 -5.537 0.857000 8.60e-04 3.26e-02 0.07140 1  
## 2342 -3.711 0.772000 6.60e-01 0.00e+00 0.65500 1  
## 2343 -1.515 0.994000 5.33e-02 8.14e-01 0.23300 3  
## 2344 -13.844 0.560000 1.89e-01 4.55e-03 0.85500 1  
## 2345 -10.160 0.777000 1.74e-02 9.14e-01 0.86900 3  
## 2346 -5.676 0.569000 6.08e-01 0.00e+00 0.26400 1  
## 2347 -19.074 0.566000 8.46e-01 7.67e-01 0.03960 4  
## 2348 -6.739 0.724000 7.75e-02 8.85e-01 0.40100 3  
## 2349 -3.179 0.957000 1.61e-02 0.00e+00 0.69100 1  
## 2350 -25.051 0.118000 7.38e-01 9.80e-01 0.03250 4  
## 2351 -4.349 0.636000 6.11e-01 0.00e+00 0.38800 1  
## 2352 -7.572 0.799000 3.05e-01 2.97e-05 0.68800 1  
## 2353 -5.284 0.813000 1.06e-01 0.00e+00 0.81400 1  
## 2354 -3.551 0.863000 1.33e-01 5.38e-02 0.53200 1  
## 2355 -5.162 0.450000 8.46e-01 0.00e+00 0.34800 2  
## 2356 -9.229 0.897000 3.12e-03 9.21e-03 0.66800 1  
## 2357 -10.328 0.288000 8.43e-01 1.15e-02 0.57200 2  
## 2358 -4.175 0.929000 2.87e-03 9.08e-06 0.27200 1  
## 2359 -12.477 0.624000 9.28e-03 6.86e-01 0.03060 3  
## 2360 -5.318 0.985000 2.63e-05 3.26e-01 0.03980 1  
## 2361 -6.313 0.890000 1.49e-03 5.26e-04 0.31700 1  
## 2362 -7.163 0.765000 8.63e-04 1.58e-02 0.49200 1  
## 2363 -4.953 0.766000 2.56e-01 0.00e+00 0.79400 1  
## 2364 -16.433 0.169000 9.81e-01 4.97e-04 0.31700 2  
## 2365 -1.642 0.951000 1.95e-03 0.00e+00 0.74800 1  
## 2366 -9.594 0.736000 6.57e-01 0.00e+00 0.95300 1  
## 2367 -3.882 0.727000 5.56e-02 0.00e+00 0.48100 1  
## 2368 -12.238 0.676000 7.24e-04 9.58e-01 0.13700 3  
## 2369 -2.497 0.939000 2.74e-02 5.61e-01 0.44300 3  
## 2370 -6.444 0.474000 8.39e-01 8.90e-04 0.31000 2  
## 2371 -4.330 0.905000 3.14e-03 0.00e+00 0.50400 1  
## 2372 -2.493 0.964000 2.49e-03 3.96e-02 0.37400 1  
## 2373 -22.952 0.002690 9.91e-01 9.15e-01 0.12400 4  
## 2374 -8.456 0.489000 5.90e-01 0.00e+00 0.51500 2  
## 2375 -6.307 0.597000 6.85e-01 2.73e-04 0.96100 1  
## 2376 -13.645 0.322000 7.74e-01 0.00e+00 0.19400 2  
## 2377 -5.409 0.526000 5.64e-01 0.00e+00 0.12200 1  
## 2378 -3.368 0.782000 8.83e-06 2.50e-02 0.17300 1  
## 2379 -6.663 0.716000 6.24e-02 6.85e-04 0.33800 1  
## 2380 -6.366 0.563000 3.45e-01 0.00e+00 0.66800 1  
## 2381 -4.526 0.913000 1.88e-05 2.26e-06 0.59000 1  
## 2382 -12.405 0.154000 1.02e-01 6.92e-03 0.09490 1  
## 2383 -10.167 0.676000 1.51e-02 4.91e-03 0.45400 1  
## 2384 -5.709 0.628000 6.86e-03 0.00e+00 0.21800 1  
## 2385 -2.018 0.973000 7.41e-02 0.00e+00 0.92500 1  
## 2386 -10.661 0.643000 1.01e-03 9.18e-01 0.26200 3  
## 2387 -4.939 0.649000 1.70e-01 0.00e+00 0.45900 1  
## 2388 -4.705 0.713000 1.79e-01 0.00e+00 0.30100 1  
## 2389 -4.783 0.910000 3.21e-02 4.78e-04 0.77400 1  
## 2390 -11.729 0.722000 2.50e-01 1.29e-02 0.71600 1  
## 2391 -4.108 0.943000 1.75e-04 1.56e-04 0.33800 1  
## 2392 -9.155 0.318000 5.42e-01 9.30e-01 0.35300 3  
## 2393 -21.105 0.021500 9.67e-01 3.26e-02 0.08420 2  
## 2394 -11.088 0.350000 6.41e-01 0.00e+00 0.39900 1  
## 2395 -6.392 0.782000 7.03e-01 0.00e+00 0.80500 1  
## 2396 -23.074 0.131000 9.90e-01 9.37e-01 0.14300 4  
## 2397 -15.383 0.379000 6.76e-01 9.62e-01 0.06610 4  
## 2398 -17.777 0.194000 9.15e-01 9.20e-01 0.22100 4  
## 2399 -8.962 0.474000 6.70e-01 1.41e-05 0.18200 2  
## 2400 -8.985 0.653000 3.41e-01 1.02e-03 0.68500 1  
## 2401 -9.055 0.668000 4.25e-01 9.13e-01 0.67600 3  
## 2402 -4.632 0.945000 2.26e-04 5.60e-03 0.16900 1  
## 2403 -5.249 0.671000 3.44e-01 0.00e+00 0.79800 1  
## 2404 -19.810 0.083200 9.85e-01 8.78e-01 0.08010 4  
## 2405 -2.715 0.995000 1.89e-02 8.38e-01 0.45200 3  
## 2406 -1.020 0.946000 8.33e-02 0.00e+00 0.39000 1  
## 2407 -11.769 0.324000 4.57e-01 2.20e-06 0.26800 1  
## 2408 -9.927 0.580000 5.93e-01 4.41e-06 0.95400 1  
## 2409 -4.570 0.798000 2.84e-01 4.86e-06 0.76600 1  
## 2410 -16.805 0.183000 9.87e-01 8.99e-01 0.16000 4  
## 2411 -16.363 0.164000 6.12e-01 0.00e+00 0.42700 1  
## 2412 -4.736 0.928000 8.16e-05 0.00e+00 0.48100 1  
## 2413 -8.811 0.745000 3.58e-03 2.29e-05 0.29600 1  
## 2414 -9.908 0.384000 6.60e-01 0.00e+00 0.53100 2  
## 2415 -5.178 0.919000 7.73e-05 0.00e+00 0.74100 1  
## 2416 -7.096 0.794000 1.77e-01 6.89e-02 0.68200 1  
## 2417 -8.662 0.704000 2.40e-01 4.95e-06 0.74600 1  
## 2418 -9.043 0.295000 4.49e-01 2.79e-04 0.49000 2  
## 2419 -5.125 0.918000 4.59e-02 0.00e+00 0.79500 1  
## 2420 -7.208 0.839000 1.14e-04 9.04e-01 0.56100 3  
## 2421 -8.897 0.615000 6.89e-01 8.61e-01 0.30300 4  
## 2422 -19.400 0.240000 7.19e-01 9.17e-01 0.10700 4  
## 2423 -11.217 0.528000 3.78e-03 8.63e-01 0.08630 3  
## 2424 -8.576 0.404000 8.64e-01 1.75e-06 0.96800 2  
## 2425 -11.555 0.565000 3.52e-01 1.38e-05 0.96500 1  
## 2426 -14.200 0.891000 2.43e-01 7.86e-01 0.28600 3  
## 2427 -1.778 0.877000 2.65e-02 8.52e-03 0.73800 1  
## 2428 -5.703 0.910000 2.85e-02 1.98e-04 0.76700 1  
## 2429 -4.399 0.875000 1.32e-01 0.00e+00 0.67100 1  
## 2430 -16.398 0.381000 5.44e-01 3.49e-01 0.19800 1  
## 2431 -1.756 0.773000 2.36e-06 7.07e-01 0.04260 3  
## 2432 -6.154 0.731000 2.83e-01 2.42e-06 0.56100 1  
## 2433 -6.223 0.673000 4.46e-01 2.01e-02 0.20900 1  
## 2434 -12.745 0.457000 3.72e-02 8.97e-01 0.51600 3  
## 2435 -11.096 0.601000 7.17e-01 3.51e-03 0.84100 1  
## 2436 -3.633 0.915000 1.93e-03 7.93e-03 0.78900 1  
## 2437 -9.707 0.519000 1.85e-01 0.00e+00 0.20800 1  
## 2438 -5.457 0.507000 9.63e-01 1.81e-06 0.84900 2  
## 2439 -9.814 0.376000 4.16e-01 1.79e-04 0.34700 1  
## 2440 -6.128 0.554000 6.70e-01 1.52e-04 0.40700 1  
## 2441 -18.357 0.153000 7.77e-01 8.41e-01 0.10700 4  
## 2442 -4.280 0.995000 2.58e-02 9.04e-01 0.75800 3  
## 2443 -4.784 0.816000 2.26e-01 0.00e+00 0.61000 1  
## 2444 -15.652 0.314000 9.26e-01 9.12e-01 0.13500 4  
## 2445 -32.108 0.034900 9.67e-01 2.49e-01 0.02190 2  
## 2446 -4.587 0.774000 3.33e-01 0.00e+00 0.66300 1  
## 2447 -13.752 0.272000 7.42e-01 0.00e+00 0.60700 2  
## 2448 -3.567 0.929000 6.40e-04 3.25e-06 0.73000 1  
## 2449 -8.761 0.694000 3.17e-03 6.77e-02 0.86500 1  
## 2450 -6.483 0.550000 6.05e-01 3.96e-06 0.42900 1  
## 2451 -12.910 0.464000 4.25e-01 8.03e-01 0.31300 3  
## 2452 -2.769 0.910000 4.00e-02 0.00e+00 0.58800 1  
## 2453 -5.567 0.968000 1.30e-01 6.92e-03 0.83100 1  
## 2454 -10.047 0.574000 7.65e-01 0.00e+00 0.48800 2  
## 2455 -12.819 0.148000 8.15e-01 0.00e+00 0.24900 2  
## 2456 -6.681 0.755000 7.51e-01 0.00e+00 0.86400 1  
## 2457 -5.210 0.863000 2.50e-01 7.14e-01 0.46500 3  
## 2458 -6.639 0.513000 2.10e-01 1.67e-05 0.97800 1  
## 2459 -7.914 0.368000 7.39e-01 1.13e-06 0.50700 2  
## 2460 -8.036 0.680000 5.17e-02 0.00e+00 0.76800 1  
## 2461 -5.225 0.574000 2.24e-01 0.00e+00 0.17600 1  
## 2462 -2.600 0.974000 3.41e-03 0.00e+00 0.81700 1  
## 2463 -10.399 0.334000 7.80e-01 0.00e+00 0.33300 2  
## 2464 -12.126 0.232000 9.26e-01 3.57e-03 0.24500 2  
## 2465 -2.258 0.978000 1.26e-01 5.46e-04 0.31400 1  
## 2466 -18.571 0.393000 8.61e-01 0.00e+00 0.38100 1  
## 2467 -19.345 0.291000 8.34e-01 6.40e-01 0.31300 4  
## 2468 -5.205 0.869000 3.69e-01 0.00e+00 0.96300 1  
## 2469 -6.444 0.931000 1.15e-02 1.87e-03 0.81100 1  
## 2470 -13.274 0.299000 7.69e-01 0.00e+00 0.83900 2  
## 2471 -14.014 0.290000 9.14e-01 3.33e-05 0.45100 2  
## 2472 -9.538 0.408000 6.57e-01 1.88e-01 0.27600 1  
## 2473 -12.125 0.247000 9.21e-01 5.65e-03 0.36000 2  
## 2474 -12.332 0.257000 7.98e-01 5.93e-06 0.58500 2  
## 2475 -7.718 0.784000 3.37e-01 9.17e-01 0.31000 3  
## 2476 -5.365 0.734000 3.34e-02 0.00e+00 0.41300 1  
## 2477 -2.295 0.953000 5.25e-03 4.61e-06 0.82100 1  
## 2478 -13.365 0.653000 9.50e-01 8.84e-01 0.92100 4  
## 2479 -25.831 0.138000 9.63e-01 8.09e-01 0.17200 4  
## 2480 -10.002 0.734000 2.73e-01 0.00e+00 0.89700 1  
## 2481 -7.539 0.455000 8.63e-01 0.00e+00 0.46600 2  
## 2482 -4.912 0.423000 5.24e-01 0.00e+00 0.89700 1  
## 2483 -5.715 0.847000 1.77e-04 7.53e-01 0.53700 3  
## 2484 -6.195 0.430000 4.77e-01 8.80e-01 0.22700 3  
## 2485 -5.148 0.881000 8.88e-03 7.16e-03 0.17600 1  
## 2486 -16.744 0.465000 7.92e-01 9.76e-01 0.00001 4  
## 2487 -12.712 0.385000 9.07e-01 9.29e-01 0.13200 4  
## 2488 -7.472 0.579000 6.67e-01 5.79e-04 0.83900 1  
## 2489 -9.883 0.615000 1.05e-04 8.65e-01 0.34300 3  
## 2490 -12.582 0.672000 1.97e-01 9.36e-01 0.50500 3  
## 2491 -9.016 0.481000 6.97e-01 0.00e+00 0.29300 1  
## 2492 -10.228 0.553000 2.61e-01 1.03e-05 0.35100 1  
## 2493 -11.786 0.517000 8.51e-01 1.48e-01 0.16300 2  
## 2494 -12.772 0.351000 8.34e-01 1.27e-04 0.62500 2  
## 2495 -3.593 0.800000 2.55e-01 0.00e+00 0.42200 1  
## 2496 -4.170 0.882000 2.45e-01 0.00e+00 0.87800 1  
## 2497 -7.671 0.607000 1.27e-02 2.32e-05 0.53600 1  
## 2498 -8.730 0.499000 4.03e-01 3.22e-04 0.27800 1  
## 2499 -9.312 0.908000 2.43e-05 4.67e-05 0.40300 1  
## 2500 -9.333 0.532000 4.55e-01 2.34e-05 0.92600 1  
## 2501 -20.759 0.442000 5.07e-01 1.39e-02 0.70900 2  
## 2502 -22.070 0.127000 9.89e-01 9.24e-01 0.31800 4  
## 2503 -5.179 0.727000 3.87e-02 0.00e+00 0.38500 1  
## 2504 -6.663 0.613000 1.95e-01 2.63e-03 0.78800 1  
## 2505 -9.328 0.530000 6.46e-01 9.98e-05 0.52300 2  
## 2506 -13.003 0.261000 5.88e-01 3.91e-04 0.28200 1  
## 2507 -14.330 0.204000 9.68e-01 4.55e-01 0.03970 4  
## 2508 -9.341 0.896000 3.74e-04 7.17e-05 0.88200 1  
## 2509 -12.281 0.634000 2.25e-02 7.98e-01 0.14800 3  
## 2510 -11.094 0.499000 4.64e-01 6.52e-04 0.14200 1  
## 2511 -14.246 0.292000 1.34e-03 9.14e-01 0.13200 3  
## 2512 -11.543 0.431000 4.24e-01 8.52e-05 0.41400 1  
## 2513 -5.572 0.504000 3.88e-01 7.40e-05 0.55100 1  
## 2514 -8.638 0.590000 1.82e-03 3.79e-03 0.24300 1  
## 2515 -7.200 0.870000 4.69e-04 7.27e-03 0.60700 1  
## 2516 -4.214 0.989000 6.55e-04 4.87e-06 0.32700 1  
## 2517 -3.546 0.857000 9.99e-04 1.38e-03 0.23500 1  
## 2518 -13.905 0.835000 5.46e-02 5.82e-01 0.11400 3  
## 2519 -9.382 0.327000 6.04e-01 8.75e-05 0.54600 2  
## 2520 -11.953 0.384000 2.40e-02 4.34e-01 0.85200 3  
## 2521 -6.877 0.543000 2.97e-02 0.00e+00 0.30200 1  
## 2522 -21.041 0.151000 9.59e-01 6.78e-01 0.14300 4  
## 2523 -5.589 0.924000 2.28e-03 6.90e-01 0.20100 3  
## 2524 -8.965 0.702000 8.20e-01 4.25e-05 0.35100 2  
## 2525 -12.733 0.254000 8.27e-01 1.39e-04 0.12900 2  
## 2526 -7.256 0.597000 5.23e-01 0.00e+00 0.41400 1  
## 2527 -5.956 0.741000 2.14e-03 3.91e-06 0.94300 1  
## 2528 -3.958 0.770000 5.85e-02 1.46e-05 0.41100 1  
## 2529 -5.911 0.674000 2.07e-02 0.00e+00 0.75100 1  
## 2530 -24.469 0.144000 9.82e-01 9.54e-01 0.03510 4  
## 2531 -17.708 0.172000 9.62e-01 8.25e-01 0.25900 4  
## 2532 -7.550 0.451000 7.66e-01 1.52e-03 0.22900 2  
## 2533 -9.627 0.658000 1.94e-03 8.94e-01 0.20400 3  
## 2534 -6.859 0.746000 5.28e-03 3.34e-04 0.78800 1  
## 2535 -4.900 0.977000 4.08e-05 3.87e-03 0.45300 1  
## 2536 -8.954 0.531000 5.66e-01 0.00e+00 0.43300 1  
## 2537 -22.008 0.033100 9.94e-01 1.83e-02 0.31600 2  
## 2538 -6.557 0.835000 2.21e-03 4.03e-02 0.62100 1  
## 2539 -5.705 0.670000 2.79e-01 0.00e+00 0.67200 1  
## 2540 -12.873 0.640000 2.29e-03 7.66e-01 0.81000 3  
## 2541 -11.763 0.227000 8.66e-01 1.25e-05 0.28400 2  
## 2542 -6.568 0.911000 9.48e-05 1.51e-02 0.79400 1  
## 2543 -1.792 0.999000 2.51e-03 2.69e-05 0.09050 1  
## 2544 -19.406 0.275000 4.59e-01 8.34e-01 0.07560 3  
## 2545 -11.429 0.252000 9.51e-01 5.26e-02 0.23400 2  
## 2546 -6.646 0.653000 5.08e-01 0.00e+00 0.35500 1  
## 2547 -11.363 0.223000 8.66e-01 8.29e-03 0.32800 2  
## 2548 -28.838 0.485000 9.03e-01 9.58e-01 0.00212 4  
## 2549 -4.683 0.855000 6.73e-01 2.29e-05 0.85000 1  
## 2550 -15.099 0.470000 3.06e-01 0.00e+00 0.79000 1  
## 2551 -5.197 0.904000 4.29e-04 8.42e-02 0.34200 1  
## 2552 -24.642 0.167000 8.77e-01 9.67e-01 0.03930 4  
## 2553 -6.811 0.454000 4.50e-01 4.08e-05 0.46400 1  
## 2554 -3.860 0.927000 2.77e-03 0.00e+00 0.52900 1  
## 2555 -6.772 0.612000 3.82e-01 0.00e+00 0.84000 1  
## 2556 -7.366 0.522000 5.32e-01 0.00e+00 0.38900 1  
## 2557 -10.583 0.882000 1.66e-02 1.46e-06 0.75700 1  
## 2558 -12.027 0.267000 8.98e-01 3.15e-06 0.38300 2  
## 2559 -2.401 0.988000 1.13e-01 0.00e+00 0.51800 1  
## 2560 -4.957 0.900000 7.53e-02 3.68e-05 0.69400 1  
## 2561 -6.751 0.936000 1.71e-04 3.55e-01 0.94800 3  
## 2562 -11.237 0.446000 7.38e-01 0.00e+00 0.53800 2  
## 2563 -11.700 0.463000 5.76e-01 0.00e+00 0.87100 1  
## 2564 -5.900 0.666000 2.29e-03 0.00e+00 0.27700 1  
## 2565 -5.403 0.871000 1.97e-02 3.49e-06 0.53600 1  
## 2566 -7.557 0.846000 6.57e-01 0.00e+00 0.69300 1  
## 2567 -6.848 0.677000 1.41e-01 1.53e-03 0.60800 1  
## 2568 -7.168 0.588000 7.89e-01 0.00e+00 0.87900 1  
## 2569 -4.152 0.802000 1.55e-03 7.34e-05 0.59000 1  
## 2570 -11.725 0.355000 8.47e-01 9.42e-01 0.11800 4  
## 2571 -12.125 0.166000 7.57e-01 9.06e-06 0.20700 2  
## 2572 -5.625 0.692000 1.96e-03 3.75e-06 0.10300 1  
## 2573 -7.097 0.873000 5.18e-04 1.58e-04 0.25000 1  
## 2574 -6.019 0.635000 6.29e-03 0.00e+00 0.59400 1  
## 2575 -14.232 0.657000 1.60e-02 6.15e-01 0.03350 3  
## 2576 -4.388 0.756000 2.98e-02 0.00e+00 0.46900 1  
## 2577 -6.073 0.826000 5.81e-01 2.65e-06 0.96200 1  
## 2578 -11.925 0.244000 8.56e-01 1.65e-03 0.39500 2  
## 2579 -2.431 0.934000 5.61e-02 7.33e-06 0.74900 1  
## 2580 -6.952 0.333000 9.30e-01 3.52e-03 0.67900 2  
## 2581 -8.131 0.587000 3.30e-01 3.85e-06 0.90800 1  
## 2582 -5.402 0.762000 2.36e-01 1.79e-01 0.67400 1  
## 2583 -7.579 0.399000 3.07e-01 3.27e-04 0.47600 1  
## 2584 -8.713 0.795000 3.56e-02 1.12e-05 0.87700 1  
## 2585 -4.325 0.998000 8.00e-05 6.03e-01 0.02860 3  
## 2586 -3.459 0.926000 7.04e-02 0.00e+00 0.83200 1  
## 2587 -14.717 0.264000 9.80e-01 9.13e-01 0.11000 4  
## 2588 -12.659 0.417000 1.24e-02 7.21e-01 0.52700 3  
## 2589 -7.228 0.668000 4.27e-01 8.87e-01 0.31500 3  
## 2590 -8.066 0.790000 8.96e-04 8.90e-01 0.06140 3  
## 2591 -4.484 0.635000 1.61e-01 0.00e+00 0.23600 1  
## 2592 -5.464 0.797000 2.89e-02 4.35e-06 0.23200 1  
## 2593 -9.907 0.950000 7.61e-04 9.51e-01 0.80000 3  
## 2594 -6.326 0.378000 6.86e-01 2.41e-06 0.67400 2  
## 2595 -4.343 0.953000 1.64e-02 9.21e-01 0.55000 3  
## 2596 -9.549 0.585000 2.18e-01 9.78e-03 0.83100 1  
## 2597 -5.305 0.839000 1.09e-02 0.00e+00 0.88300 1  
## 2598 -4.293 0.631000 5.46e-01 2.05e-02 0.37400 1  
## 2599 -11.732 0.250000 5.72e-01 0.00e+00 0.10000 1  
## 2600 -8.767 0.500000 3.55e-01 2.69e-06 0.61900 1  
## 2601 -6.404 0.709000 2.96e-01 0.00e+00 0.31400 1  
## 2602 -6.425 0.887000 7.94e-01 0.00e+00 0.34000 2  
## 2603 -14.120 0.183000 8.23e-01 4.38e-05 0.60200 2  
## 2604 -22.827 0.013500 1.21e-05 6.31e-01 0.00001 3  
## 2605 -4.678 0.850000 2.46e-04 1.40e-02 0.21100 1  
## 2606 -4.086 0.643000 5.69e-01 0.00e+00 0.72200 1  
## 2607 -28.071 0.083000 8.31e-01 8.17e-01 0.03620 4  
## 2608 -10.021 0.424000 7.81e-01 9.31e-03 0.28400 2  
## 2609 -8.886 0.548000 8.10e-01 1.93e-02 0.62200 2  
## 2610 -8.066 0.328000 9.69e-01 0.00e+00 0.89600 2  
## 2611 -10.491 0.289000 1.40e-01 0.00e+00 0.24600 1  
## 2612 -10.953 0.255000 4.24e-01 0.00e+00 0.62900 2  
## 2613 -9.068 0.597000 3.03e-02 1.34e-04 0.26200 1  
## 2614 -11.615 0.306000 3.87e-01 0.00e+00 0.96300 1  
## 2615 -3.689 0.869000 2.45e-04 4.88e-01 0.27400 3  
## 2616 -9.265 0.331000 8.22e-01 6.95e-04 0.11300 2  
## 2617 -13.836 0.919000 1.43e-04 7.09e-01 0.33200 3  
## 2618 -16.347 0.373000 7.87e-01 9.80e-01 0.03300 4  
## 2619 -7.698 0.819000 4.84e-04 4.12e-02 0.59800 1  
## 2620 -22.991 0.072200 9.05e-01 7.05e-01 0.06080 4  
## 2621 -9.121 0.606000 7.18e-01 2.04e-03 0.61500 2  
## 2622 -3.056 0.407000 7.18e-01 0.00e+00 0.14100 2  
## 2623 -7.173 0.618000 4.81e-02 0.00e+00 0.30100 1  
## 2624 -6.538 0.902000 5.66e-04 7.12e-01 0.27800 3  
## 2625 -8.065 0.863000 6.54e-04 1.06e-03 0.29000 1  
## 2626 -6.496 0.497000 7.83e-01 0.00e+00 0.20700 2  
## 2627 -17.432 0.124000 9.30e-01 2.05e-06 0.19200 2  
## 2628 -20.238 0.109000 9.81e-01 8.58e-01 0.05170 4  
## 2629 -13.248 0.536000 5.29e-02 4.65e-04 0.84600 1  
## 2630 -11.312 0.324000 4.66e-01 6.92e-01 0.19900 3  
## 2631 -5.518 0.944000 2.74e-01 0.00e+00 0.68100 1  
## 2632 -6.132 0.572000 1.04e-01 0.00e+00 0.75200 1  
## 2633 -11.368 0.405000 7.06e-01 0.00e+00 0.70600 2  
## 2634 -3.646 0.697000 1.33e-01 8.18e-01 0.29000 3  
## 2635 -4.480 0.880000 9.52e-02 8.72e-01 0.25000 3  
## 2636 -6.650 0.935000 1.41e-05 8.76e-01 0.93300 3  
## 2637 -13.020 0.509000 1.04e-02 8.60e-01 0.34100 3  
## 2638 -26.440 0.029900 9.91e-01 9.17e-01 0.17100 4  
## 2639 -10.127 0.535000 1.50e-04 7.10e-01 0.56600 3  
## 2640 -7.224 0.619000 7.82e-01 0.00e+00 0.96100 1  
## 2641 -3.231 0.877000 3.45e-01 0.00e+00 0.89400 1  
## 2642 -5.206 0.826000 5.20e-03 1.11e-05 0.46200 1  
## 2643 -8.921 0.543000 8.38e-01 3.86e-06 0.31600 2  
## 2644 -14.857 0.233000 3.97e-01 0.00e+00 0.35000 1  
## 2645 -14.752 0.255000 6.60e-01 4.59e-01 0.03710 4  
## 2646 -7.822 0.736000 2.89e-01 0.00e+00 0.69300 1  
## 2647 -6.675 0.430000 9.48e-01 4.11e-06 0.33000 2  
## 2648 -23.231 0.107000 7.95e-01 8.54e-01 0.12800 4  
## 2649 -13.435 0.107000 8.86e-01 0.00e+00 0.43300 2  
## 2650 -9.239 0.523000 1.37e-01 0.00e+00 0.88100 1  
## 2651 -18.812 0.112000 9.52e-01 9.09e-01 0.19600 4  
## 2652 -6.012 0.783000 1.31e-01 4.16e-05 0.70300 1  
## 2653 -5.004 0.680000 7.17e-01 0.00e+00 0.43300 2  
## 2654 -3.740 0.855000 5.25e-05 4.68e-02 0.20200 1  
## 2655 -20.759 0.093800 9.30e-01 8.90e-01 0.03420 4  
## 2656 -14.308 0.190000 7.84e-01 2.68e-05 0.44800 2  
## 2657 -4.376 0.590000 3.10e-03 4.80e-05 0.47100 1  
## 2658 -5.376 0.572000 1.64e-02 0.00e+00 0.41400 1  
## 2659 -7.934 0.894000 9.80e-05 7.77e-01 0.09540 3  
## 2660 -31.024 0.012600 9.66e-01 8.50e-01 0.06800 4  
## 2661 -6.200 0.726000 1.01e-01 8.41e-05 0.83200 1  
## 2662 -15.762 0.192000 9.47e-01 0.00e+00 0.41800 2  
## 2663 -4.425 0.998000 2.60e-05 6.82e-03 0.03800 1  
## 2664 -3.838 0.889000 3.12e-01 8.00e-01 0.59200 3  
## 2665 -9.694 0.206000 6.73e-01 0.00e+00 0.35400 1  
## 2666 -10.442 0.559000 1.64e-04 6.94e-01 0.46600 3  
## 2667 -6.537 0.920000 7.33e-04 3.85e-06 0.43600 1  
## 2668 -9.916 0.661000 6.10e-01 7.26e-01 0.20500 3  
## 2669 -6.345 0.538000 6.11e-02 2.32e-05 0.91800 1  
## 2670 -3.456 0.949000 9.46e-02 5.88e-04 0.77300 1  
## 2671 -6.693 0.899000 1.56e-01 8.92e-01 0.72100 3  
## 2672 -9.891 0.354000 7.09e-02 8.63e-01 0.58300 3  
## 2673 -6.649 0.458000 3.43e-03 1.58e-01 0.06470 1  
## 2674 -1.759 0.986000 1.24e-03 6.41e-05 0.25000 1  
## 2675 -12.782 0.265000 2.96e-01 8.65e-02 0.27300 1  
## 2676 -4.399 0.852000 9.34e-02 1.98e-03 0.88000 1  
## 2677 -6.328 0.673000 9.08e-02 2.93e-06 0.59900 1  
## 2678 -6.113 0.731000 5.26e-01 1.50e-03 0.74600 1  
## 2679 -6.632 0.803000 7.45e-02 1.16e-06 0.33900 1  
## 2680 -9.150 0.512000 1.55e-01 4.65e-05 0.73000 1  
## 2681 -20.010 0.154000 9.75e-01 8.24e-01 0.14900 4  
## 2682 -3.991 0.968000 9.16e-06 7.57e-01 0.35400 3  
## 2683 -6.592 0.854000 6.59e-01 0.00e+00 0.63600 1  
## 2684 -29.284 0.027500 9.87e-01 8.83e-01 0.12000 4  
## 2685 -12.040 0.366000 6.76e-01 1.10e-04 0.92900 1  
## 2686 -5.009 0.880000 4.65e-01 1.63e-05 0.89500 1  
## 2687 -6.297 0.628000 5.02e-03 2.02e-05 0.55100 1  
## 2688 -5.426 0.716000 4.36e-01 0.00e+00 0.42600 1  
## 2689 -11.683 0.217000 7.70e-01 1.62e-04 0.29100 2  
## 2690 -7.731 0.351000 6.39e-01 6.56e-01 0.45900 4  
## 2691 -4.407 0.481000 4.91e-01 0.00e+00 0.20800 1  
## 2692 -4.058 0.942000 1.60e-03 4.32e-06 0.30100 1  
## 2693 -4.787 0.873000 8.72e-03 0.00e+00 0.70500 1  
## 2694 -23.264 0.054900 9.32e-01 5.94e-03 0.13600 2  
## 2695 -16.744 0.124000 9.95e-01 8.67e-02 0.45200 2  
## 2696 -4.014 0.553000 4.27e-01 0.00e+00 0.42800 1  
## 2697 -11.419 0.494000 3.10e-01 0.00e+00 0.81600 1  
## 2698 -7.804 0.326000 9.95e-01 2.25e-01 0.28000 2  
## 2699 -8.223 0.550000 3.15e-01 5.02e-04 0.17700 1  
## 2700 -4.345 0.726000 3.72e-01 7.44e-04 0.52700 1  
## 2701 -9.130 0.727000 5.78e-04 8.67e-01 0.25600 3  
## 2702 -4.028 0.812000 7.37e-01 1.20e-06 0.79800 1  
## 2703 -14.930 0.350000 7.98e-01 0.00e+00 0.68500 2  
## 2704 -9.046 0.541000 2.80e-02 9.37e-04 0.31700 1  
## 2705 -4.971 0.777000 1.81e-01 0.00e+00 0.92300 1  
## 2706 -10.072 0.430000 4.55e-01 0.00e+00 0.56400 1  
## 2707 -10.272 0.357000 4.27e-01 0.00e+00 0.22000 1  
## 2708 -5.411 0.477000 9.87e-01 3.73e-05 0.56900 2  
## 2709 -12.976 0.192000 8.83e-01 0.00e+00 0.40600 2  
## 2710 -8.257 0.825000 2.05e-01 9.33e-02 0.03660 1  
## 2711 -13.121 0.487000 5.23e-01 0.00e+00 0.52400 2  
## 2712 -9.450 0.858000 1.14e-01 9.23e-02 0.87200 1  
## 2713 -6.718 0.867000 2.25e-03 5.35e-01 0.57300 3  
## 2714 -4.402 0.814000 7.22e-04 4.32e-01 0.32900 3  
## 2715 -4.022 0.757000 7.89e-02 0.00e+00 0.62500 1  
## 2716 -11.880 0.365000 9.41e-01 7.27e-05 0.84300 2  
## 2717 -4.640 0.901000 7.01e-04 2.79e-05 0.57100 1  
## 2718 -9.643 0.288000 8.33e-01 2.52e-06 0.21800 2  
## 2719 -8.383 0.475000 8.86e-01 0.00e+00 0.34400 2  
## 2720 -6.240 0.890000 6.47e-02 0.00e+00 0.45600 1  
## 2721 -9.173 0.579000 7.68e-01 0.00e+00 0.54900 2  
## 2722 -3.391 0.951000 2.47e-03 0.00e+00 0.58100 1  
## 2723 -6.451 0.681000 6.45e-02 0.00e+00 0.18500 1  
## 2724 -3.539 0.906000 4.24e-03 0.00e+00 0.76300 1  
## 2725 -3.985 0.709000 3.48e-03 0.00e+00 0.53400 1  
## 2726 -11.987 0.148000 9.23e-01 0.00e+00 0.22400 2  
## 2727 -16.324 0.093900 9.92e-01 8.59e-01 0.13400 4  
## 2728 -5.423 0.745000 4.02e-01 0.00e+00 0.90300 1  
## 2729 -9.461 0.521000 6.78e-02 1.49e-01 0.33700 1  
## 2730 -4.181 0.899000 1.43e-02 3.59e-05 0.87000 1  
## 2731 -15.577 0.293000 9.83e-01 6.76e-03 0.69100 2  
## 2732 -12.815 0.864000 1.06e-03 9.10e-01 0.35000 3  
## 2733 -4.950 0.701000 5.08e-01 3.77e-02 0.56600 1  
## 2734 -6.668 0.358000 8.04e-01 0.00e+00 0.38500 2  
## 2735 -9.921 0.373000 3.41e-01 5.25e-01 0.55400 4  
## 2736 -10.352 0.418000 7.41e-01 0.00e+00 0.80800 2  
## 2737 -6.131 0.979000 1.08e-03 2.63e-05 0.69200 1  
## 2738 -4.734 0.823000 7.30e-03 1.82e-05 0.55300 1  
## 2739 -10.407 0.573000 8.50e-01 6.81e-04 0.55800 2  
## 2740 -6.114 0.756000 2.72e-02 9.33e-06 0.13600 1  
## 2741 -5.894 0.801000 1.19e-03 5.13e-01 0.40800 3  
## 2742 -8.980 0.517000 2.82e-01 2.04e-05 0.33400 1  
## 2743 -5.630 0.977000 9.78e-05 6.94e-01 0.08190 3  
## 2744 -9.428 0.316000 7.64e-01 0.00e+00 0.25800 2  
## 2745 -11.261 0.295000 9.83e-01 0.00e+00 0.60700 2  
## 2746 -2.810 0.807000 4.95e-02 1.77e-02 0.39800 1  
## 2747 -7.102 0.643000 5.49e-01 0.00e+00 0.80000 1  
## 2748 -22.457 0.040100 4.41e-01 8.44e-01 0.03510 4  
## 2749 -6.302 0.665000 1.24e-01 1.55e-04 0.59700 1  
## 2750 -16.974 0.340000 9.86e-01 8.74e-01 0.11000 4  
## 2751 -13.153 0.230000 8.10e-01 0.00e+00 0.26700 2  
## 2752 -4.436 0.872000 3.05e-01 0.00e+00 0.83100 1  
## 2753 -16.930 0.313000 5.49e-01 8.82e-01 0.04160 3  
## 2754 -6.411 0.410000 5.13e-01 0.00e+00 0.48300 1  
## 2755 -5.946 0.888000 2.39e-04 7.08e-03 0.19100 1  
## 2756 -9.859 0.455000 2.16e-01 1.20e-04 0.45600 1  
## 2757 -3.768 0.934000 1.01e-02 1.32e-05 0.54000 1  
## 2758 -4.773 0.781000 3.60e-03 0.00e+00 0.28900 1  
## 2759 -8.174 0.476000 6.65e-01 2.73e-03 0.64500 2  
## 2760 -9.892 0.338000 1.34e-01 1.84e-03 0.68900 1  
## 2761 -14.134 0.321000 8.18e-01 4.67e-05 0.46000 2  
## 2762 -7.993 0.668000 7.38e-01 0.00e+00 0.72000 1  
## 2763 -6.471 0.757000 1.47e-01 0.00e+00 0.71200 1  
## 2764 -4.601 0.653000 4.63e-03 1.27e-06 0.35000 1  
## 2765 -14.760 0.290000 6.11e-01 9.11e-01 0.03940 4  
## 2766 -8.660 0.696000 6.54e-01 0.00e+00 0.74900 1  
## 2767 -9.584 0.770000 5.07e-01 9.47e-01 0.36100 3  
## 2768 -3.067 0.974000 1.78e-01 7.26e-03 0.87800 1  
## 2769 -7.843 0.549000 7.98e-04 4.85e-03 0.53100 1  
## 2770 -7.613 0.558000 7.19e-01 0.00e+00 0.85000 1  
## 2771 -6.256 0.739000 4.28e-03 3.65e-06 0.42900 1  
## 2772 -14.969 0.606000 3.98e-03 9.19e-02 0.53100 1  
## 2773 -8.002 0.770000 7.20e-01 0.00e+00 0.86400 1  
## 2774 -5.549 0.715000 3.86e-01 0.00e+00 0.86600 1  
## 2775 -23.789 0.063000 9.04e-01 8.99e-01 0.03820 4  
## 2776 -9.571 0.998000 4.74e-02 1.24e-01 0.32300 1  
## 2777 -11.734 0.369000 9.06e-01 3.05e-01 0.58400 2  
## 2778 -4.641 0.907000 1.15e-03 0.00e+00 0.33700 1  
## 2779 -9.203 0.640000 6.24e-01 0.00e+00 0.63900 1  
## 2780 -7.635 0.483000 6.80e-01 8.05e-01 0.10400 4  
## 2781 -7.373 0.525000 1.40e-01 0.00e+00 0.68600 1  
## 2782 -5.981 0.636000 9.45e-05 5.29e-02 0.14700 1  
## 2783 -4.656 0.898000 3.04e-01 1.90e-04 0.71200 1  
## 2784 -6.060 0.954000 4.83e-04 5.24e-01 0.84100 3  
## 2785 -13.527 0.454000 4.26e-01 0.00e+00 0.93300 1  
## 2786 -7.159 0.789000 1.01e-01 0.00e+00 0.54900 1  
## 2787 -6.849 0.668000 2.12e-01 6.15e-02 0.84200 1  
## 2788 -18.415 0.179000 9.10e-01 0.00e+00 0.56600 2  
## 2789 -12.077 0.511000 5.11e-01 4.13e-01 0.65200 4  
## 2790 -9.469 0.402000 9.42e-01 9.15e-01 0.25000 4  
## 2791 -9.126 0.798000 8.41e-04 2.74e-01 0.27500 3  
## 2792 -22.858 0.112000 9.22e-01 6.48e-01 0.03840 4  
## 2793 -7.457 0.299000 5.02e-01 0.00e+00 0.13700 1  
## 2794 -7.097 0.914000 1.99e-01 1.80e-04 0.61900 1  
## 2795 -2.497 0.747000 3.90e-01 0.00e+00 0.96200 1  
## 2796 -8.025 0.350000 7.50e-01 0.00e+00 0.12600 2  
## 2797 -16.167 0.332000 4.79e-01 5.03e-03 0.14400 1  
## 2798 -6.873 0.418000 8.47e-01 1.43e-06 0.68600 2  
## 2799 -5.090 0.733000 8.78e-03 9.01e-06 0.74100 1  
## 2800 -4.273 0.688000 1.21e-01 0.00e+00 0.50600 1  
## 2801 -6.100 0.953000 1.09e-05 4.85e-03 0.75200 1  
## 2802 -12.274 0.621000 2.97e-01 2.50e-05 0.64200 1  
## 2803 -2.437 0.955000 6.70e-01 1.29e-06 0.78900 1  
## 2804 -7.877 0.235000 3.21e-02 8.20e-01 0.06180 3  
## 2805 -6.404 0.671000 2.99e-01 0.00e+00 0.45100 1  
## 2806 -11.012 0.351000 7.09e-01 8.61e-05 0.79600 2  
## 2807 -7.638 0.656000 8.03e-03 0.00e+00 0.32300 1  
## 2808 -8.091 0.621000 8.62e-02 1.52e-01 0.39700 1  
## 2809 -12.309 0.525000 5.19e-01 1.18e-01 0.03850 1  
## 2810 -11.149 0.432000 9.33e-01 8.03e-01 0.39500 4  
## 2811 -3.496 0.961000 6.46e-03 0.00e+00 0.42700 1  
## 2812 -4.287 0.993000 1.40e-04 1.84e-02 0.04980 1  
## 2813 -8.348 0.596000 1.01e-02 0.00e+00 0.78300 1  
## 2814 -6.760 0.595000 8.00e-01 0.00e+00 0.70400 1  
## 2815 -9.119 0.482000 1.87e-01 4.04e-02 0.77600 1  
## 2816 -4.918 0.862000 1.16e-01 6.49e-06 0.61000 1  
## 2817 -5.573 0.666000 5.65e-04 1.86e-04 0.23900 1  
## 2818 -8.419 0.406000 1.95e-01 0.00e+00 0.19700 1  
## 2819 -8.790 0.839000 5.34e-02 7.06e-02 0.21900 1  
## 2820 -7.658 0.899000 8.50e-05 9.04e-01 0.09800 3  
## 2821 -4.650 0.904000 9.20e-02 2.56e-02 0.67000 1  
## 2822 -5.498 0.854000 3.23e-04 5.55e-01 0.91800 3  
## 2823 -6.007 0.861000 7.61e-05 8.98e-01 0.36100 3  
## 2824 -15.544 0.158000 9.76e-01 4.98e-01 0.68500 2  
## 2825 -3.851 0.816000 1.82e-01 0.00e+00 0.73500 1  
## 2826 -6.433 0.821000 7.86e-01 0.00e+00 0.57600 2  
## 2827 -5.850 0.962000 1.45e-05 4.73e-02 0.22300 1  
## 2828 -4.399 0.966000 1.04e-06 1.49e-01 0.19100 1  
## 2829 -6.868 0.760000 3.11e-01 6.03e-05 0.88700 1  
## 2830 -22.194 0.203000 9.86e-01 9.15e-01 0.27400 4  
## 2831 -5.250 0.604000 5.63e-01 1.08e-03 0.82000 1  
## 2832 -4.326 0.783000 7.68e-02 0.00e+00 0.65500 1  
## 2833 -5.249 0.967000 3.26e-06 5.11e-03 0.46600 1  
## 2834 -5.217 0.470000 2.91e-01 0.00e+00 0.63600 1  
## 2835 -14.320 0.224000 8.84e-01 1.15e-06 0.63600 2  
## 2836 -6.888 0.736000 4.21e-02 5.03e-05 0.73900 1  
## 2837 -4.166 0.581000 5.76e-01 4.59e-05 0.59700 1  
## 2838 -13.704 0.227000 8.91e-01 1.11e-05 0.43100 2  
## 2839 -9.477 0.306000 8.57e-01 0.00e+00 0.31500 2  
## 2840 -4.364 0.997000 4.63e-04 3.95e-05 0.13000 1  
## 2841 -7.288 0.659000 8.13e-01 0.00e+00 0.87600 1  
## 2842 -4.426 0.825000 1.57e-02 0.00e+00 0.97000 1  
## 2843 -8.536 0.696000 3.08e-01 1.02e-06 0.94800 1  
## 2844 -7.504 0.862000 1.25e-02 2.36e-04 0.23400 1  
## 2845 -13.599 0.187000 9.07e-01 0.00e+00 0.48400 2  
## 2846 -18.900 0.999000 4.74e-01 9.88e-01 0.00001 3  
## 2847 -3.963 0.813000 1.94e-05 2.20e-02 0.22800 1  
## 2848 -5.218 0.942000 4.85e-05 2.24e-03 0.47000 1  
## 2849 -7.499 0.770000 2.38e-02 6.83e-05 0.88300 1  
## 2850 -9.552 0.499000 6.03e-01 0.00e+00 0.21700 1  
## 2851 -7.565 0.795000 6.20e-01 0.00e+00 0.69100 1  
## 2852 -11.896 0.305000 4.76e-01 0.00e+00 0.52000 2  
## 2853 -8.803 0.787000 7.93e-02 6.48e-02 0.38300 1  
## 2854 -11.272 0.446000 7.19e-01 9.18e-01 0.65600 4  
## 2855 -5.806 0.596000 7.05e-01 0.00e+00 0.56300 2  
## 2856 -25.095 0.068100 9.90e-01 9.16e-01 0.07210 4  
## 2857 -5.825 0.974000 1.50e-05 3.53e-04 0.49100 1  
## 2858 -32.014 0.636000 7.84e-01 1.00e+00 0.00782 4  
## 2859 -5.142 0.843000 9.02e-01 0.00e+00 0.56000 2  
## 2860 -11.147 0.534000 5.69e-01 0.00e+00 0.94300 1  
## 2861 -15.055 0.502000 7.19e-02 7.55e-01 0.59800 3  
## 2862 -11.362 0.303000 2.38e-01 8.09e-06 0.15000 1  
## 2863 -6.318 0.872000 2.87e-03 4.25e-02 0.93700 1  
## 2864 -13.404 0.229000 1.24e-01 8.55e-01 0.51400 3  
## 2865 -2.252 0.947000 2.61e-03 0.00e+00 0.47400 1  
## 2866 -4.586 0.929000 1.98e-03 8.79e-06 0.30000 1  
## 2867 -14.334 0.518000 2.23e-01 8.58e-01 0.16400 3  
## 2868 -3.627 0.935000 1.43e-01 2.01e-06 0.70300 1  
## 2869 -4.849 0.559000 1.28e-01 0.00e+00 0.27800 1  
## 2870 -26.925 0.047200 9.86e-01 7.90e-01 0.40100 4  
## 2871 -6.424 0.741000 9.89e-04 2.37e-03 0.12900 1  
## 2872 -12.109 0.481000 1.87e-01 9.95e-01 0.22600 3  
## 2873 -8.945 0.554000 2.34e-01 5.16e-05 0.49100 1  
## 2874 -16.293 0.174000 9.55e-01 9.22e-01 0.03990 4  
## 2875 -8.517 0.442000 3.34e-01 4.24e-04 0.09040 1  
## 2876 -5.835 0.973000 1.69e-04 1.98e-02 0.15200 1  
## 2877 -8.492 0.584000 6.94e-01 8.79e-01 0.33900 4  
## 2878 -6.223 0.764000 7.17e-02 0.00e+00 0.37600 1  
## 2879 -16.224 0.085400 9.22e-01 0.00e+00 0.20300 2  
## 2880 -8.251 0.575000 6.25e-01 5.87e-06 0.35700 1  
## 2881 -7.344 0.758000 6.13e-03 1.08e-05 0.91800 1  
## 2882 -2.208 0.974000 8.57e-03 2.92e-05 0.75600 1  
## 2883 -4.806 0.838000 4.91e-03 0.00e+00 0.52600 1  
## 2884 -14.046 0.251000 8.77e-01 8.97e-01 0.03750 4  
## 2885 -18.670 0.228000 9.16e-01 7.33e-01 0.08600 4  
## 2886 -9.696 0.614000 1.21e-01 9.16e-01 0.36500 3  
## 2887 -3.412 0.995000 1.11e-05 1.61e-03 0.34200 1  
## 2888 -6.238 0.520000 5.59e-01 6.10e-04 0.45800 1  
## 2889 -5.017 0.932000 1.05e-03 1.14e-01 0.58600 1  
## 2890 -6.886 0.406000 4.07e-01 0.00e+00 0.13500 1  
## 2891 -7.181 0.569000 6.01e-01 2.43e-04 0.68300 1  
## 2892 -6.796 0.510000 2.24e-02 7.07e-01 0.20900 3  
## 2893 -8.440 0.388000 5.35e-01 0.00e+00 0.15800 1  
## 2894 -3.942 0.909000 2.77e-03 1.00e-06 0.16700 1  
## 2895 -10.205 0.369000 3.88e-02 8.30e-01 0.66100 3  
## 2896 -12.533 0.512000 3.00e-01 8.51e-04 0.26300 1  
## 2897 -5.811 0.830000 8.82e-02 0.00e+00 0.48000 1  
## 2898 -2.516 0.788000 4.42e-01 0.00e+00 0.36000 1  
## 2899 -10.246 0.844000 2.32e-01 8.57e-01 0.14200 3  
## 2900 -4.571 0.908000 6.50e-04 3.56e-05 0.63200 1  
## 2901 -6.138 0.814000 6.13e-01 0.00e+00 0.77400 1  
## 2902 -14.164 0.644000 7.38e-01 0.00e+00 0.46400 2  
## 2903 -5.909 0.748000 3.93e-01 0.00e+00 0.55800 1  
## 2904 -8.454 0.527000 2.32e-01 0.00e+00 0.65900 1  
## 2905 -22.377 0.124000 9.92e-01 8.79e-01 0.12300 4  
## 2906 -24.473 0.054900 9.84e-01 9.33e-01 0.17600 4  
## 2907 -6.014 0.739000 7.14e-01 0.00e+00 0.94200 1  
## 2908 -7.218 0.670000 5.65e-03 6.76e-03 0.72500 1  
## 2909 -7.105 0.811000 7.07e-01 0.00e+00 0.89700 1  
## 2910 -3.463 0.977000 2.37e-03 0.00e+00 0.41300 1  
## 2911 -16.699 0.468000 4.75e-02 9.25e-01 0.87300 3  
## 2912 -7.627 0.221000 9.94e-01 2.72e-02 0.43800 2  
## 2913 -3.422 0.956000 2.95e-05 8.51e-01 0.44600 3  
## 2914 -8.595 0.637000 2.15e-01 1.16e-01 0.42600 1  
## 2915 -4.516 0.978000 6.61e-06 8.68e-04 0.33400 1  
## 2916 -12.985 0.226000 7.18e-01 0.00e+00 0.08450 2  
## 2917 -4.756 0.984000 2.78e-05 5.71e-03 0.03980 1  
## 2918 -11.488 0.196000 8.03e-01 0.00e+00 0.16900 2  
## 2919 -30.401 0.143000 3.93e-01 3.79e-02 0.03660 4  
## 2920 -7.603 0.335000 4.61e-01 0.00e+00 0.96100 1  
## 2921 -7.208 0.548000 5.10e-01 1.36e-01 0.41500 2  
## 2922 -5.107 0.683000 6.32e-01 0.00e+00 0.77800 1  
## 2923 -6.776 0.596000 8.13e-02 1.71e-04 0.68200 1  
## 2924 -7.884 0.504000 3.50e-01 0.00e+00 0.87000 1  
## 2925 -2.042 0.988000 2.64e-05 7.86e-05 0.76900 1  
## 2926 -11.803 0.601000 6.27e-01 1.03e-05 0.83100 1  
## 2927 -5.033 0.977000 3.12e-05 4.38e-06 0.17200 1  
## 2928 -5.946 0.731000 5.17e-01 1.79e-01 0.15200 1  
## 2929 -4.103 0.905000 2.89e-04 1.10e-04 0.23600 1  
## 2930 -9.575 0.292000 8.55e-01 2.52e-06 0.57600 2  
## 2931 -4.818 0.708000 2.04e-02 4.08e-05 0.40500 1  
## 2932 -3.904 0.890000 2.20e-02 5.32e-05 0.80600 1  
## 2933 -14.393 0.106000 9.81e-01 0.00e+00 0.63300 2  
## 2934 -11.887 0.291000 6.87e-01 1.53e-05 0.66000 2  
## 2935 -7.139 0.955000 4.18e-01 0.00e+00 0.92300 1  
## 2936 -13.874 0.294000 9.40e-01 9.28e-01 0.46200 4  
## 2937 -10.691 0.576000 8.98e-01 4.17e-02 0.35400 2  
## 2938 -21.407 0.945000 1.37e-01 9.93e-01 0.00001 3  
## 2939 -3.648 0.680000 5.24e-01 3.35e-04 0.52400 1  
## 2940 -8.215 0.434000 1.61e-01 0.00e+00 0.27200 1  
## 2941 -4.348 0.970000 4.42e-03 2.70e-02 0.55100 1  
## 2942 -6.975 0.606000 5.64e-01 7.60e-05 0.77900 1  
## 2943 -10.565 0.449000 3.83e-01 1.82e-02 0.69900 2  
## 2944 -16.889 0.398000 7.95e-01 9.79e-01 0.00000 4  
## 2945 -10.675 0.270000 7.86e-01 1.53e-04 0.74800 2  
## 2946 -5.615 0.590000 2.42e-01 0.00e+00 0.41100 1  
## 2947 -5.496 0.996000 1.19e-04 5.89e-02 0.44200 1  
## 2948 -6.189 0.869000 4.48e-03 8.43e-02 0.19900 1  
## 2949 -9.886 0.383000 6.42e-01 0.00e+00 0.94800 1  
## 2950 -6.161 0.820000 4.03e-02 0.00e+00 0.92100 1  
## 2951 -16.097 0.186000 5.55e-01 9.28e-03 0.19300 1  
## 2952 -13.294 0.606000 7.32e-02 7.43e-01 0.07680 3  
## 2953 -12.628 0.209000 9.15e-01 0.00e+00 0.32300 2  
## 2954 -10.073 0.414000 6.71e-01 9.01e-01 0.27100 4  
## 2955 -11.587 0.647000 2.27e-01 8.25e-01 0.28900 3  
## 2956 -12.998 0.690000 6.31e-01 8.97e-01 0.03980 3  
## 2957 -9.276 0.392000 7.20e-01 8.80e-01 0.64000 4  
## 2958 -12.837 0.418000 1.07e-01 9.17e-01 0.03750 3  
## 2959 -12.660 0.676000 2.32e-02 3.81e-01 0.17100 3  
## 2960 -3.055 0.944000 4.33e-01 1.73e-06 0.91700 1  
## 2961 -5.408 0.958000 6.09e-03 1.06e-03 0.40300 1  
## 2962 -8.450 0.496000 7.19e-01 0.00e+00 0.57100 2  
## 2963 -24.109 0.154000 9.88e-01 9.05e-01 0.28600 4  
## 2964 -6.777 0.798000 5.79e-02 0.00e+00 0.71400 1  
## 2965 -5.218 0.759000 1.53e-01 1.08e-04 0.43500 1  
## 2966 -4.521 0.829000 3.81e-03 0.00e+00 0.86800 1  
## 2967 -5.615 0.678000 5.32e-01 0.00e+00 0.71800 1  
## 2968 -4.460 0.899000 5.53e-01 0.00e+00 0.88200 1  
## 2969 -4.310 0.863000 6.26e-02 0.00e+00 0.67600 1  
## 2970 -5.163 0.858000 1.75e-02 0.00e+00 0.87600 1  
## 2971 -3.219 0.990000 1.92e-04 5.54e-05 0.66300 1  
## 2972 -11.489 0.739000 2.11e-01 3.48e-01 0.69500 3  
## 2973 -5.728 0.681000 3.12e-01 0.00e+00 0.67500 1  
## 2974 -8.276 0.704000 1.13e-03 6.96e-01 0.39100 3  
## 2975 -8.042 0.652000 3.79e-04 8.81e-01 0.12100 3  
## 2976 -8.364 0.611000 3.42e-02 1.08e-04 0.13800 1  
## 2977 -5.171 0.557000 6.87e-02 8.05e-01 0.53600 3  
## 2978 -2.185 0.775000 9.93e-03 1.85e-03 0.42200 1  
## 2979 -12.028 0.242000 9.64e-01 7.88e-03 0.40600 2  
## 2980 -7.518 0.418000 9.02e-01 0.00e+00 0.79100 2  
## 2981 -11.139 0.855000 1.90e-06 8.70e-01 0.27900 3  
## 2982 -6.805 0.636000 4.97e-01 0.00e+00 0.54800 1  
## 2983 -8.765 0.444000 3.43e-04 1.81e-03 0.40600 1  
## 2984 -4.592 0.987000 1.33e-04 8.13e-03 0.11600 1  
## 2985 -14.114 0.634000 8.38e-01 9.04e-01 0.73500 4  
## 2986 -5.085 0.587000 2.54e-01 4.42e-06 0.35700 1  
## 2987 -3.953 0.904000 2.44e-04 1.75e-06 0.38000 1  
## 2988 -12.555 0.336000 9.26e-01 0.00e+00 0.77400 2  
## 2989 -9.023 0.505000 7.58e-01 1.44e-06 0.98000 1  
## 2990 -6.364 0.597000 3.42e-01 0.00e+00 0.33100 1  
## 2991 -13.188 0.900000 2.49e-05 8.22e-01 0.55500 3  
## 2992 -23.964 0.077500 9.96e-01 9.33e-01 0.29000 4  
## 2993 -10.120 0.518000 2.67e-02 9.36e-03 0.30700 1  
## 2994 -8.983 0.858000 1.36e-01 7.72e-01 0.11800 3  
## 2995 -7.255 0.818000 1.17e-01 6.54e-01 0.11500 3  
## 2996 -13.426 0.896000 1.40e-02 8.88e-01 0.36000 3  
## 2997 -6.065 0.666000 1.58e-02 2.59e-05 0.64800 1  
## 2998 -13.622 0.491000 3.92e-01 1.30e-05 0.92200 1  
## 2999 -8.131 0.338000 9.88e-01 2.23e-03 0.57600 2  
## 3000 -18.650 0.084100 9.85e-01 9.43e-01 0.07130 4

The next phase which is Profiling is in the clustering-profiling.Rmd which will be using the dataset saved below

write.csv(dcon\_clust, file="data/SpotifyClustersData.csv", row.names=F)