In [1]:

```
import warnings
warnings.filterwarnings("ignore")
import pandas as pd
import sqlite3
import csv
import matplotlib.pyplot as plt
import seaborn as sns
import numpy as np
from wordcloud import WordCloud
import re
import os
from sqlalchemy import create engine # database connection
import datetime as dt
from nltk.corpus import stopwords
from nltk.tokenize import word tokenize
from nltk.stem.snowball import SnowballStemmer
from sklearn.feature extraction.text import CountVectorizer
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.multiclass import OneVsRestClassifier
from sklearn.linear model import SGDClassifier
from sklearn import metrics
from sklearn.metrics import f1 score,precision_score,recall_score
from sklearn import svm
from sklearn.linear model import LogisticRegression
from skmultilearn.adapt import mlknn
from skmultilearn.problem_transform import ClassifierChain
from skmultilearn.problem_transform import BinaryRelevance
from skmultilearn.problem_transform import LabelPowerset
from sklearn.naive_bayes import GaussianNB
from datetime import datetime
from sklearn.model selection import GridSearchCV
```

In [2]:

```
from sklearn.externals import joblib
```

Stack Overflow: Tag Prediction

1. Business Problem

1.1 Description

Description

Stack Overflow is the largest, most trusted online community for developers to learn, share their programming knowledge, and build their careers.

Stack Overflow is something which every programmer use one way or another. Each month, over 50 million developers come to Stack Overflow to learn, share their knowledge, and build their careers. It features questions and answers on a wide range of topics in computer programming. The website serves as a platform for users to ask and answer questions, and, through membership and active participation, to vote questions and answers up or down and edit questions and answers in a fashion similar to a wiki or Digg. As of April 2014 Stack Overflow has over 4,000,000 registered users, and it exceeded 10,000,000 questions in late August 2015. Based on the type of tags assigned to questions, the top eight most discussed topics on the site are: Java, JavaScript, C#, PHP, Android, jQuery, Python and HTML.

Problem Statemtent

Suggest the tags based on the content that was there in the question posted on Stackoverflow.

Source: https://www.kaggle.com/c/facebook-recruiting-iii-keyword-extraction/

1.2 Source / useful links

Data Source: https://www.kaggle.com/c/facebook-recruiting-iii-keyword-extraction/data

Youtube: https://youtu.be/nNDqbUhtlRq

Research paper: https://www.microsoft.com/en-us/research/wp-content/uploads/2016/02/tagging-1.pdf

Research paper: https://dl.acm.org/citation.cfm?id=2660970&dl=ACM&coll=DL

1.3 Real World / Business Objectives and Constraints

1. Predict as many tags as possible with high precision and recall.

- 2. Incorrect tags could impact customer experience on StackOverflow.
- 3. No strict latency constraints.

2. Machine Learning problem

2.1 Data

2.1.1 Data Overview

 $\textbf{Refer:}\ \underline{\text{https://www.kaggle.com/c/facebook-recruiting-iii-keyword-extraction/data}$

All of the data is in 2 files: Train and Test.

```
Train.csv contains 4 columns: Id,Title,Body,Tags.

Test.csv contains the same columns but without the Tags, which you are to predict.

Size of Train.csv - 6.75GB

Size of Test.csv - 2GB

Number of rows in Train.csv = 6034195
```

The questions are randomized and contains a mix of verbose text sites as well as sites related to math and programming. The number of questions from each site may vary, and no filtering has been performed on the questions (such as closed questions).

Data Field Explaination

Dataset contains 6,034,195 rows. The columns in the table are:

```
Id - Unique identifier for each question

Title - The question's title

Body - The body of the question

Tags - The tags associated with the question in a space-seperated format (all lowercase, sh ould not contain tabs '\t' or ampersands '&')
```

2.1.2 Example Data point

```
#include<
iostream>\n
#include<
stdlib.h>\n\n
using namespace std; \n\n
int main()\n
{\n
         int n,a[n],x,c,u[n],m[n],e[n][4];\n
         cout<<"Enter the number of variables";\n</pre>
                                                            cin>>n;\n\n
         cout<<"Enter the Lower, and Upper Limits of the variables";\n</pre>
         for (int y=1; y< n+1; y++) \n
         {\n
             cin >> m[y]; \n
            cin>>u[y];\n
         for (x=1; x< n+1; x++) n
         {\n
            a[x] = (m[x] + u[x])/2; \n
         } \n
         c = (n*4) - 4; \n
         for(int a1=1; a1<n+1; a1++)\n
         { n n}
            e[a1][0] = m[a1]; \n
             e[a1][1] = m[a1]+1; \n
            e[a1][2] = u[a1]-1; \n
             e[a1][3] = u[a1]; \n
         } \ n
         for (int i=1; i < n+1; i++) n
             for (int l=1; l <= i; l++) \n
             {\n
                 if(1!=1) n
                 {\n
                     cout<<a[1]<<"\\t";\n
                 } \n
             } \n
             for (int j=0; j<4; j++) \n
             {\n
                 cout<<e[i][j];\n
                 for (int k=0; k< n-(i+1); k++) \n
                     cout<<a[k]<<"\\t";\n
                 } \n
                 cout<<"\\n";\n
             } \n
             \n\n
         system("PAUSE"); \n
         return 0;
} \n
```

Title: Implementing Boundary Value Analysis of Software Testing in a C++ program?

\n\n

4

Body:

The answer should come in the form of a table like $\n\$

```
1 50 50\n
```

```
50
                                     5U\n
          99
                      50
                                     50\n
          100
                      5.0
                                     50\n
          50
                                     50\n
                      1
          50
                      2
                                     50\n
                      99
                                     50\n
          50
          50
                      100
                                     50\n
          50
                      5.0
                                     1\n
          50
                     50
                                     2\n
                                     99\n
          50
                     50
          50
                      50
                                     100\n
if the no of inputs is 3 and their ranges are \n
      1,100\n
      1,100\n
```

```
1,100\n
       (could be varied too)
\n\n
The output is not coming, can anyone correct the code or tell me what\'s wrong?
\n'
```

2.2 Mapping the real-world problem to a Machine Learning Problem

2.2.1 Type of Machine Learning Problem

It is a multi-label classification problem

Tags : 'c++ c'

Multi-label Classification: Multilabel classification assigns to each sample a set of target labels. This can be thought as predicting properties of a data-point that are not mutually exclusive, such as topics that are relevant for a document. A question on Stackoverflow might be about any of C, Pointers, FileIO and/or memory-management at the same time or none of these. __Credit__: http://scikit-learn.org/stable/modules/multiclass.html

2.2.2 Performance metric

Micro-Averaged F1-Score (Mean F Score): The F1 score can be interpreted as a weighted average of the precision and recall, where an F1 score reaches its best value at 1 and worst score at 0. The relative contribution of precision and recall to the F1 score are equal. The formula for the F1 score is:

```
F1 = 2 * (precision * recall) / (precision + recall)
```

In the multi-class and multi-label case, this is the weighted average of the F1 score of each class.

'Micro f1 score':

\n\n

Calculate metrics globally by counting the total true positives, false negatives and false positives. This is a better metric when we have class imbalance.

'Macro f1 score':

Calculate metrics for each label, and find their unweighted mean. This does not take label imbalance into account.

https://www.kaggle.com/wiki/MeanFScore

http://scikit-learn.org/stable/modules/generated/sklearn.metrics.f1_score.html

Hamming loss: The Hamming loss is the fraction of labels that are incorrectly predicted. https://www.kaggle.com/wiki/HammingLoss

3. Exploratory Data Analysis

3.1 Data Loading and Cleaning

3.1.1 Using Pandas with SQLite to Load the data

In [0]:

```
#Creating db file from csv
#Learn SQL: https://www.w3schools.com/sql/default.asp
if not os.path.isfile('train.db'):
   start = datetime.now()
   disk engine = create engine('sqlite:///train.db')
   start = dt.datetime.now()
   chunksize = 180000
   j = 0
   index_start = 1
   for df in pd.read csv('Train.csv', names=['Id', 'Title', 'Body', 'Tags'], chunksize=chunksize,
iterator=True, encoding='utf-8', ):
       df.index += index start
       j+=1
       print('{} rows'.format(j*chunksize))
       df.to sql('data', disk engine, if exists='append')
       index start = df.index[-1] + 1
   print("Time taken to run this cell :", datetime.now() - start)
```

3.1.2 Counting the number of rows

In [0]:

```
if os.path.isfile('train.db'):
    start = datetime.now()
    con = sqlite3.connect('train.db')
    num_rows = pd.read_sql_query("""SELECT count(*) FROM data""", con)
    #Always remember to close the database
    print("Number of rows in the database :","\n",num_rows['count(*)'].values[0])
    con.close()
    print("Time taken to count the number of rows :", datetime.now() - start)
else:
    print("Please download the train.db file from drive or run the above cell to genarate train.db
file")
Number of rows in the database :
```

6034196 Time taken to count the number of rows : 0:01:15.750352

3.1.3 Checking for duplicates

In [0]:

```
#Learn SQ1: https://www.w3schools.com/sq1/default.asp
if os.path.isfile('train.db'):
    start = datetime.now()
    con = sqlite3.connect('train.db')
    df_no_dup = pd.read_sql_query('SELECT Title, Body, Tags, COUNT(*) as cnt_dup FROM data GROUP
BY Title, Body, Tags', con)
    con.close()
    print("Time taken to run this cell :", datetime.now() - start)
else:
    print("Please download the train.db file from drive or run the first to genarate train.db file
")
```

Time taken to run this cell : 0:04:33.560122

```
In [0]:
```

```
df_no_dup.head()
# we can observe that there are duplicates
```

Out[0]:

| | Title | Body | Tags | cnt_dup |
|---|---|--|-------------------------------------|---------|
| 0 | Implementing Boundary Value Analysis of S | <pre><pre><code>#include<iostream>\n#include&</code></pre></pre> | C++ C | 1 |
| 1 | Dynamic Datagrid Binding in Silverlight? | I should do binding for datagrid dynamicall | c# silverlight data-binding | 1 |
| 2 | Dynamic Datagrid Binding in Silverlight? | I should do binding for datagrid dynamicall | c# silverlight data-binding columns | 1 |
| 3 | java.lang.NoClassDefFoundError: javax/serv | I followed the guide in | | |

In [0]:

```
print("number of duplicate questions :", num_rows['count(*)'].values[0]- df_no_dup.shape[0], "(",(1
-((df_no_dup.shape[0])/(num_rows['count(*)'].values[0])))*100,"%)")
```

number of duplicate questions : 1827881 (30.2920389063 %)

In [0]:

```
# number of times each question appeared in our database
df_no_dup.cnt_dup.value_counts()
```

Out[0]:

```
1 2656284
2 1272336
3 277575
4 90
5 25
6 5
Name: cnt_dup, dtype: int64
```

In [0]:

```
start = datetime.now()
df_no_dup["tag_count"] = df_no_dup["Tags"].apply(lambda text: len(text.split(" ")))
# adding a new feature number of tags per question
print("Time taken to run this cell :", datetime.now() - start)
df_no_dup.head()
```

Time taken to run this cell : 0:00:03.169523

Out[0]:

| | Title | Body | Tags | cnt_dup | tag_count |
|---|---|--|---|---------|-----------|
| 0 | Implementing Boundary Value Analysis of S | <pre><pre><code>#include<iostream>\n#include&</code></pre></pre> | c++ c | 1 | 2 |
| 1 | Dynamic Datagrid Binding in Silverlight? | I should do binding for datagrid dynamicall | c# silverlight data- binding | 1 | 3 |
| 2 | Dynamic Datagrid Binding in Silverlight? | I should do binding for datagrid dynamicall | c# silverlight data- binding columns | 1 | 4 |
| 3 | java.lang.NoClassDefFoundError: javax/serv | I followed the guide in | | | |

```
In [0]:
```

```
# distribution of number of tags per question
df no dup.tag count.value counts()
Out[0]:
   1206157
   1111706
     814996
4
      568298
     505158
Name: tag_count, dtype: int64
In [0]:
#Creating a new database with no duplicates
if not os.path.isfile('train no dup.db'):
    disk_dup = create_engine("sqlite:///train_no_dup.db")
    no_dup = pd.DataFrame(df_no_dup, columns=['Title', 'Body', 'Tags'])
    no dup.to sql('no dup train', disk dup)
```

In [0]:

```
#This method seems more appropriate to work with this much data.
#creating the connection with database file.
if os.path.isfile('train_no_dup.db'):
    start = datetime.now()
    con = sqlite3.connect('train_no_dup.db')
    tag_data = pd.read_sql_query("""SELECT Tags FROM no_dup_train""", con)
    #Always remember to close the database
    con.close()

# Let's now drop unwanted column.
    tag_data.drop(tag_data.index[0], inplace=True)
    #Printing first 5 columns from our data frame
    tag_data.head()
    print("Time taken to run this cell :", datetime.now() - start)
else:
    print("Please download the train.db file from drive or run the above cells to genarate train.d
b file")
```

Time taken to run this cell : 0:00:52.992676

3.2 Analysis of Tags

3.2.1 Total number of unique tags

In [0]:

```
# Importing & Initializing the "CountVectorizer" object, which
#is scikit-learn's bag of words tool.

#by default 'split()' will tokenize each tag using space.
vectorizer = CountVectorizer(tokenizer = lambda x: x.split())

# fit_transform() does two functions: First, it fits the model
# and learns the vocabulary; second, it transforms our training data
# into feature vectors. The input to fit_transform should be a list of strings.
tag_dtm = vectorizer.fit_transform(tag_data['Tags'])
```

```
In [0]:
```

```
print("Number of data points :", tag_dtm.shape[0])
print("Number of unique tags :", tag_dtm.shape[1])
```

Number of data points : 4206314 Number of unique tags : 42048

```
In [0]:
```

```
#'get_feature_name()' gives us the vocabulary.
tags = vectorizer.get_feature_names()
#Lets look at the tags we have.
print("Some of the tags we have :", tags[:10])
Some of the tages we have : ['.a', '.app', '.asp.net-mvc', '.aspxauth', '.bash-profile', '.class-f'
```

Some of the tages we have : ['.a', '.app', '.asp.net-mvc', '.aspxauth', '.bash-profile', '.class-file', '.doc', '.drv', '.ds-store']

3.2.3 Number of times a tag appeared

In [0]:

```
# https://stackoverflow.com/questions/15115765/how-to-access-sparse-matrix-elements
#Lets now store the document term matrix in a dictionary.
freqs = tag_dtm.sum(axis=0).Al
result = dict(zip(tags, freqs))
```

In [0]:

```
#Saving this dictionary to csv files.
if not os.path.isfile('tag_counts_dict_dtm.csv'):
    with open('tag_counts_dict_dtm.csv', 'w') as csv_file:
        writer = csv.writer(csv_file)
        for key, value in result.items():
            writer.writerow([key, value])
tag_df = pd.read_csv("tag_counts_dict_dtm.csv", names=['Tags', 'Counts'])
tag_df.head()
```

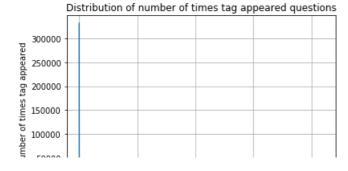
Out[0]:

| | Tags | Counts |
|---|---------------|--------|
| 0 | .a | 18 |
| 1 | .арр | 37 |
| 2 | .asp.net-mvc | 1 |
| 3 | .aspxauth | 21 |
| 4 | .bash-profile | 138 |

In [0]:

```
tag_df_sorted = tag_df.sort_values(['Counts'], ascending=False)
tag_counts = tag_df_sorted['Counts'].values
```

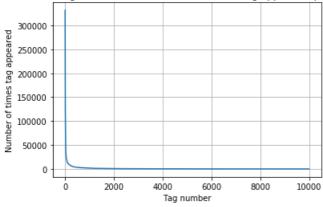
```
plt.plot(tag_counts)
plt.title("Distribution of number of times tag appeared questions")
plt.grid()
plt.xlabel("Tag number")
plt.ylabel("Number of times tag appeared")
plt.show()
```





```
plt.plot(tag_counts[0:10000])
plt.title('first 10k tags: Distribution of number of times tag appeared questions')
plt.grid()
plt.xlabel("Tag number")
plt.ylabel("Number of times tag appeared")
plt.show()
print(len(tag_counts[0:10000:25]), tag_counts[0:10000:25])
```

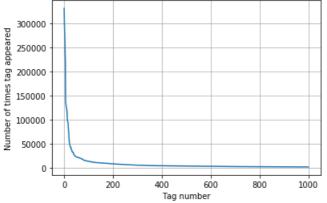




| 400 [3315 | 505 448 | 329 224 | 129 17 | 728 133 | 364 11 | 162 100 |)29 9 | 148 8 | 054 7151 |
|-----------|---------|---------|--------|---------|--------|---------|-------|-------|----------|
| 6466 | 5865 | 5370 | 4983 | 4526 | 4281 | 4144 | 3929 | 3750 | 3593 |
| 3453 | 3299 | 3123 | 2989 | 2891 | 2738 | 2647 | 2527 | 2431 | 2331 |
| 2259 | 2186 | 2097 | 2020 | 1959 | 1900 | 1828 | 1770 | 1723 | 1673 |
| 1631 | 1574 | 1532 | 1479 | 1448 | 1406 | 1365 | 1328 | 1300 | 1266 |
| 1245 | 1222 | 1197 | 1181 | 1158 | 1139 | 1121 | 1101 | 1076 | 1056 |
| 1038 | 1023 | 1006 | 983 | 966 | 952 | 938 | 926 | 911 | 891 |
| 882 | 869 | 856 | 841 | 830 | 816 | 804 | 789 | 779 | 770 |
| 752 | 743 | 733 | 725 | 712 | 702 | 688 | 678 | 671 | 658 |
| 650 | 643 | 634 | 627 | 616 | 607 | 598 | 589 | 583 | 577 |
| 568 | 559 | 552 | 545 | 540 | 533 | 526 | 518 | 512 | 506 |
| 500 | 495 | 490 | 485 | 480 | 477 | 469 | 465 | 457 | 450 |
| 447 | 442 | 437 | 432 | 426 | 422 | 418 | 413 | 408 | 403 |
| 398 | 393 | 388 | 385 | 381 | 378 | 374 | 370 | 367 | 365 |
| 361 | 357 | 354 | 350 | 347 | 344 | 342 | 339 | 336 | 332 |
| 330 | 326 | 323 | 319 | 315 | 312 | 309 | 307 | 304 | 301 |
| 299 | 296 | 293 | 291 | 289 | 286 | 284 | 281 | 278 | 276 |
| 275 | 272 | 270 | 268 | 265 | 262 | 260 | 258 | 256 | 254 |
| 252 | 250 | 249 | 247 | 245 | 243 | 241 | 239 | 238 | 236 |
| 234 | 233 | 232 | 230 | 228 | 226 | 224 | 222 | 220 | 219 |
| 217 | 215 | 214 | 212 | 210 | 209 | 207 | 205 | 204 | 203 |
| 201 | 200 | 199 | 198 | 196 | 194 | 193 | 192 | 191 | 189 |
| 188 | 186 | 185 | 183 | 182 | 181 | 180 | 179 | 178 | 177 |
| 175 | 174 | 172 | 171 | 170 | 169 | 168 | 167 | 166 | 165 |
| 164 | 162 | 161 | 160 | 159 | 158 | 157 | 156 | 156 | 155 |
| 154 | 153 | 152 | 151 | 150 | 149 | 149 | 148 | 147 | 146 |
| 145 | 144 | 143 | 142 | 142 | 141 | 140 | 139 | 138 | 137 |
| 137 | 136 | 135 | 134 | 134 | 133 | 132 | 131 | 130 | 130 |
| 129 | 128 | 128 | 127 | 126 | 126 | 125 | 124 | | 123 |
| 123 | 122 | 122 | 121 | 120 | 120 | 119 | 118 | 118 | 117 |
| 117 | 116 | 116 | 115 | 115 | 114 | 113 | 113 | 112 | 111 |
| 111 | 110 | 109 | 109 | 108 | 108 | 107 | 106 | 106 | 106 |
| 105 | 105 | 104 | 104 | 103 | 103 | 102 | 102 | 101 | 101 |
| 100 | 100 | 99 | 99 | 98 | 98 | 97 | 97 | 96 | 96 |
| 95 | 95 | 94 | 94 | 93 | 93 | 93 | 92 | 92 | 91 |
| 91 | 90 | 90 | 89 | 89 | 88 | 88 | 87 | 87 | 86 |
| 86 | 86 | 85 | 85 | 84 | 84 | 83 | 83 | 83 | 82 |
| 82 | 82 | 81 | 81 | 80 | 80 | 80 | 79 | 79 | 78 |
| 78 | 78 | 78 | 77 | 77 | 76 | 76 | 76 | 75 | 75 |
| 75 | 74 | 74 | 74 | 73 | 73 | 73 | 73 | 72 | 72] |

```
plt.plot(tag_counts[0:1000])
plt.title('first 1k tags: Distribution of number of times tag appeared questions')
plt.grid()
plt.xlabel("Tag number")
plt.ylabel("Number of times tag appeared")
plt.show()
print(len(tag_counts[0:1000:5]), tag_counts[0:1000:5])
```

first 1k tags: Distribution of number of times tag appeared questions

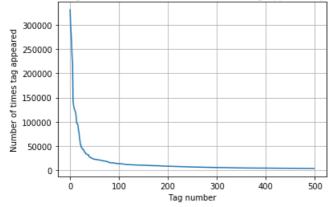


```
200 [331505 221533 122769 95160 62023 44829 37170 31897 26925 24537
  22429
         21820
                 20957
                        19758 18905
                                       17728 15533 15097
                                                             14884
                                                                     13703
  13364
         13157
                 12407
                        11658
                               11228
                                       11162
                                               10863
                                                      10600
                                                             10350
                                                                     10224
  10029
          9884
                  9719
                         9411
                                 9252
                                        9148
                                                                      8163
                                                9040
                                                       8617
                                                               8361
   8054
          7867
                  7702
                         7564
                                 7274
                                        7151
                                                7052
                                                       6847
                                                               6656
   6466
          6291
                  6183
                         6093
                                 5971
                                        5865
                                                5760
                                                       5577
                                                               5490
                                                                      5411
   5370
                                 5066
          5283
                  5207
                         5107
                                        4983
                                                4891
                                                       4785
                                                               4658
                                                                      4549
   4526
          4487
                  4429
                         4335
                                 4310
                                        4281
                                                4239
                                                       4228
                                                               4195
                                                                      4159
   4144
          4088
                  4050
                         4002
                                 3957
                                        3929
                                                3874
                                                       3849
                                                               3818
                                                                      3797
   3750
          3703
                  3685
                         3658
                                 3615
                                        3593
                                                3564
                                                       3521
                                                               3505
                                                                      3483
   3453
          3427
                  3396
                         3363
                                 3326
                                        3299
                                                3272
                                                       3232
                                                               3196
                                                                      3168
   3123
          3094
                  3073
                         3050
                                 3012
                                        2989
                                                2984
                                                      2953
                                                               2934
                                                                      2903
   2891
          2844
                  2819
                         2784
                                 2754
                                        2738
                                                2726
                                                       2708
                                                                      2669
                                                               2681
   2647
          2621
                  2604
                         2594
                                 2556
                                        2527
                                                2510
                                                       2482
                                                               2460
                                                                      2444
   2431
          2409
                  2395
                         2380
                                 2363
                                        2331
                                                2312
                                                       2297
                                                               2290
                                                                      2281
   2259
                         2211
          2246
                  2222
                                 2198
                                        2186
                                               2162
                                                       2142
                                                               2132
                                                                      2107
   2097
          2078
                  2057
                         2045
                                 2036
                                        2020
                                               2011
                                                       1994
                                                               1971
                                                                      1965
   1959
          1952
                  1940
                         1932
                                 1912
                                        1900
                                               1879
                                                       1865
                                                               1855
                                                                      1841
   1828
          1821
                  1813
                         1801
                                 1782
                                        1770
                                                1760
                                                       1747
                                                               1741
                                                                      1734
   1723
          1707
                  1697
                         1688
                                 1683
                                        1673
                                               1665
                                                       1656
                                                               1646
                                                                      16391
```

In [0]:

```
plt.plot(tag_counts[0:500])
plt.title('first 500 tags: Distribution of number of times tag appeared questions')
plt.grid()
plt.xlabel("Tag number")
plt.ylabel("Number of times tag appeared")
plt.show()
print(len(tag_counts[0:500:5]), tag_counts[0:500:5])
```

first 500 tags: Distribution of number of times tag appeared questions



100 [331505 221533 122769 95160 62023 44829 37170 31897 26925 24537 22429 21820 20957 19758 18905 17728 15533 15097 14884 13703

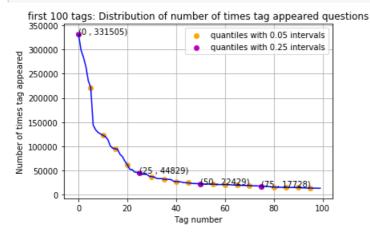
```
13364 13157 12407 11658 11228 11162 10863 10600 10350
10029
       9884
             9719
                    9411
                           9252
                                 9148
                                        9040
                                              8617
                                                     8361
                                                            8163
8054
       7867
             7702
                    7564
                           7274
                                7151
                                        7052
                                              6847
                                                     6656
                                                            6553
6466
       6291
             6183
                   6093
                           5971
                                 5865
                                       5760
                                             5577
                                                     5490
                                                            5411
5370
       5283
             5207
                    5107
                           5066 4983
                                      4891
                                              4785
                                                     4658
                                                            4549
4526
       4487
             4429
                    4335
                           4310
                                 4281
                                        4239
                                              4228
                                                     4195
                                                            4159
4144
       4088
             4050
                    4002
                           3957
                                 3929
                                        3874
                                              3849
                                                     3818
                                                            3797
3750
       3703
            3685 3658
                         3615
                                3593
                                       3564
                                             3521
                                                     3505
                                                            34831
```

In [0]:

```
plt.plot(tag_counts[0:100], c='b')
plt.scatter(x=list(range(0,100,5)), y=tag_counts[0:100:5], c='orange', label="quantiles with 0.05 i
ntervals")
# quantiles with 0.25 difference
plt.scatter(x=list(range(0,100,25)), y=tag_counts[0:100:25], c='m', label = "quantiles with 0.25 in
tervals")

for x,y in zip(list(range(0,100,25)), tag_counts[0:100:25]):
    plt.annotate(s="({} , {})".format(x,y), xy=(x,y), xytext=(x-0.05, y+500))

plt.title('first 100 tags: Distribution of number of times tag appeared questions')
plt.grid()
plt.xlabel("Tag number")
plt.ylabel("Number of times tag appeared")
plt.legend()
plt.show()
print(len(tag_counts[0:100:5]), tag_counts[0:100:5])
```



20 [331505 221533 122769 95160 62023 44829 37170 31897 26925 24537 22429 21820 20957 19758 18905 17728 15533 15097 14884 13703]

In [0]:

```
# Store tags greater than 10K in one list
lst_tags_gt_10k = tag_df[tag_df.Counts>10000].Tags
#Print the length of the list
print ('{} Tags are used more than 10000 times'.format(len(lst_tags_gt_10k)))
# Store tags greater than 100K in one list
lst_tags_gt_100k = tag_df[tag_df.Counts>100000].Tags
#Print the length of the list.
print ('{} Tags are used more than 100000 times'.format(len(lst_tags_gt_100k)))
```

Tags are used more than 10000 times 14 Tags are used more than 100000 times

Observations:

- 1. There are total 153 tags which are used more than 10000 times.
- 2. 14 tags are used more than 100000 times.
- 3. Most frequent tag (i.e. c#) is used 331505 times.
- 4. Since some tags occur much more frequenctly than others, Micro-averaged F1-score is the appropriate metric for this probelm.

3.2.4 Tags Per Question

```
In [0]:
```

```
#Storing the count of tag in each question in list 'tag_count'
tag_quest_count = tag_dtm.sum(axis=1).tolist()
#Converting list of lists into single list, we will get [[3], [4], [2], [2], [3]] and we are conve
rting this to [3, 4, 2, 2, 3]
tag_quest_count=[int(j) for i in tag_quest_count for j in i]
print ('We have total {} datapoints.'.format(len(tag_quest_count)))
print(tag_quest_count[:5])
```

We have total 4206314 datapoints. [3, 4, 2, 2, 3]

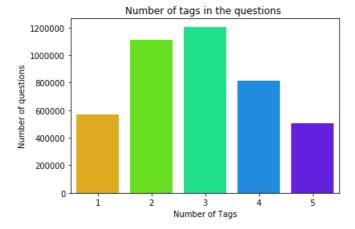
In [0]:

```
print( "Maximum number of tags per question: %d"%max(tag_quest_count))
print( "Minimum number of tags per question: %d"%min(tag_quest_count))
print( "Avg. number of tags per question: %f"% ((sum(tag_quest_count)*1.0)/len(tag_quest_count)))
```

Maximum number of tags per question: 5 Minimum number of tags per question: 1 Avg. number of tags per question: 2.899440

In [0]:

```
sns.countplot(tag_quest_count, palette='gist_rainbow')
plt.title("Number of tags in the questions ")
plt.xlabel("Number of Tags")
plt.ylabel("Number of questions")
plt.show()
```



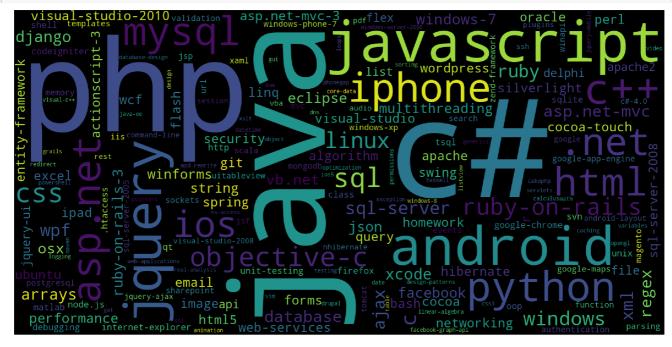
Observations:

- 1. Maximum number of tags per question: 5
- 2. Minimum number of tags per question: 1
- 3. Avg. number of tags per question: 2.899
- 4. Most of the questions are having 2 or 3 tags

3.2.5 Most Frequent Tags

```
height=800,
).generate_from_frequencies(tup)

fig = plt.figure(figsize=(30,20))
plt.imshow(wordcloud)
plt.axis('off')
plt.tight_layout(pad=0)
fig.savefig("tag.png")
plt.show()
print("Time taken to run this cell :", datetime.now() - start)
```



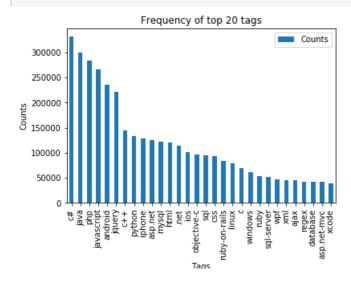
Time taken to run this cell: 0:00:05.470788

Observations:

A look at the word cloud shows that "c#", "java", "php", "asp.net", "javascript", "c++" are some of the most frequent tags.

3.2.6 The top 20 tags

```
i=np.arange(30)
tag_df_sorted.head(30).plot(kind='bar')
plt.title('Frequency of top 20 tags')
plt.xticks(i, tag_df_sorted['Tags'])
plt.xlabel('Tags')
plt.ylabel('Counts')
plt.show()
```



Observations:

- 1. Majority of the most frequent tags are programming language.
- 2. C# is the top most frequent programming language.
- 3. Android, IOS, Linux and windows are among the top most frequent operating systems.

3.3 Cleaning and preprocessing of Questions

3.3.1 Preprocessing

- 1. Sample 1M data points
- 2. Separate out code-snippets from Body
- 3. Remove Spcial characters from Question title and description (not in code)
- 4. Remove stop words (Except 'C')
- 5. Remove HTML Tags
- 6. Convert all the characters into small letters
- 7. Use SnowballStemmer to stem the words

In [3]:

```
def striphtml (data):
    cleanr = re.compile('<.*?>')
    cleantext = re.sub(cleanr, ' ', str(data))
    return cleantext
stop_words = set(stopwords.words('english'))
stemmer = SnowballStemmer("english")
```

In [4]:

```
#http://www.sqlitetutorial.net/sqlite-python/create-tables/
def create connection(db file):
    """ create a database connection to the SQLite database
        specified by db file
    :param db file: database file
    :return: Connection object or None
    trv:
       conn = sqlite3.connect(db file)
       return conn
    except Error as e:
       print(e)
    return None
def create table(conn, create table sql):
    """ create a table from the create table sql statement
    :param conn: Connection object
    :param create_table_sql: a CREATE TABLE statement
    :return:
    try:
       c = conn.cursor()
       c.execute(create_table_sql)
    except Error as e:
       print(e)
def checkTableExists(dbcon):
   cursr = dbcon.cursor()
    str = "select name from sqlite master where type='table'"
    table names = cursr.execute(str)
    print("Tables in the databse:")
   tables =table names.fetchall()
   print(tables[0][0])
   return(len(tables))
def create database table(database, query):
   conn = create connection(database)
    if conn is not None:
    create table(conn, query)
```

```
checkTableExists(conn)
else:
    print("Error! cannot create the database connection.")
    conn.close()

sql_create_table = """CREATE TABLE IF NOT EXISTS QuestionsProcessed (question text NOT NULL, code text, tags text, words_pre integer, words_post integer, is_code integer);"""
create_database_table("Processed.db", sql_create_table)
```

Tables in the databse: QuestionsProcessed

In [0]:

```
# http://www.sqlitetutorial.net/sqlite-delete/
# https://stackoverflow.com/questions/2279706/select-random-row-from-a-sqlite-table
start = datetime.now()
read_db = 'train_no_dup.db'
write_db = 'Processed.db'
if os.path.isfile(read db):
   conn_r = create_connection(read_db)
   if conn r is not None:
       reader =conn r.cursor()
       reader.execute("SELECT Title, Body, Tags From no dup train ORDER BY RANDOM() LIMIT
1000000;")
if os.path.isfile(write db):
   conn_w = create_connection(write_db)
   if conn w is not None:
       tables = checkTableExists(conn_w)
       writer =conn w.cursor()
       if tables != 0:
            writer.execute("DELETE FROM QuestionsProcessed WHERE 1")
            print("Cleared All the rows")
print("Time taken to run this cell :", datetime.now() - start)
```

Tables in the databse: QuestionsProcessed Cleared All the rows Time taken to run this cell : 0:06:32.806567

we create a new data base to store the sampled and preprocessed questions

```
#http://www.bernzilla.com/2008/05/13/selecting-a-random-row-from-an-sqlite-table/
start = datetime.now()
preprocessed data list=[]
reader.fetchone()
questions with code=0
len_pre=0
len post=0
questions proccesed = 0
for row in reader:
    is code = 0
    title, question, tags = row[0], row[1], row[2]
    if '<code>' in question:
        questions with code+=1
        is code = 1
    x = len(question) + len(title)
    len pre+=x
    code = str(re.findall(r'<code>(.*?)</code>', question, flags=re.DOTALL))
    question=re.sub('<code>(.*?)</code>', '', question, flags=re.MULTILINE|re.DOTALL)
    question=striphtml(question.encode('utf-8'))
    title=title.encode('utf-8')
```

```
question=str(title)+" "+str(question)
    question=re.sub(r'[^A-Za-z]+',' ',question)
    words=word tokenize(str(question.lower()))
    #Removing all single letter and and stopwords from question exceptt for the letter 'c'
    question=' '.join(str(stemmer.stem(j)) for j in words if j not in stop words and (len(j)!=1 or
j=='c'))
    len post+=len(question)
    tup = (question, code, tags, x, len (question), is_code)
    questions proccesed += 1
    writer.execute("insert into
QuestionsProcessed(question,code,tags,words_pre,words_post,is_code) values (?,?,?,?,?,?)",tup)
    if (questions proccesed%100000==0):
        print("number of questions completed=",questions proccesed)
no dup avg len pre=(len pre*1.0)/questions proccesed
no dup avg len post=(len post*1.0)/questions proccesed
print( "Avg. length of questions(Title+Body) before processing: %d"%no dup avg len pre)
print( "Avg. length of questions(Title+Body) after processing: %d"%no dup avg len post)
print ("Percent of questions containing code: %d"%((questions with code*100.0)/questions processed)
print("Time taken to run this cell :", datetime.now() - start)
number of questions completed= 100000
number of questions completed= 200000
number of questions completed= 300000
number of questions completed= 400000
number of questions completed= 500000
number of questions completed= 600000
number of questions completed= 700000
number of questions completed= 800000
number of questions completed= 900000
Avg. length of questions (Title+Body) before processing: 1169
Avg. length of questions (Title+Body) after processing: 327
Percent of questions containing code: 57
Time taken to run this cell: 0:47:05.946582
In [0]:
# dont forget to close the connections, or else you will end up with locks
conn r.commit()
conn w.commit()
conn r.close()
conn w.close()
In [0]:
if os.path.isfile(write db):
    conn_r = create_connection(write_db)
    if conn r is not None:
        reader =conn r.cursor()
        reader.execute("SELECT question From QuestionsProcessed LIMIT 10")
       print("Questions after preprocessed")
       print('='*100)
        reader.fetchone()
        for row in reader:
            print(row)
            print('-'*100)
conn r.commit()
conn_r.close()
Questions after preprocessed
```

('ef code first defin one mani relationship differ key troubl defin one zero mani relationship ent iti ef object model look like use fluent api object composit pk defin batch id batch detail id use fluent api object composit pk defin batch detail id compani id map exist databas tpt basic idea su bmittedtransact zero mani submittedsplittransact associ navig realli need one way submittedtransact submittedsplittransact need dbcontext class onmodelcr overrid map class lazi loa d occur submittedtransact submittedsplittransact help would much appreci edit taken advic made follow chang dbcontext class ad follow onmodelcr overrid must miss someth get follow except thrown

submittedtransact key batch id batch detail id zero one mani submittedsplittransact key batch deta il id compani id rather assum convent creat relationship two object configur requir sinc obvious w rong',)

('explan new statement review section c code came accross statement block come accross new oper us e way someon explain new call way',)

('error function notat function solv logic riddl iloczyni list structur list possibl candid solut list possibl coordin matrix wan na choos one candid compar possibl candid element equal wan na del et coordin call function skasuj look like ni knowledg haskel cant see what wrong',)

('step plan move one isp anoth one work busi plan switch isp realli soon need chang lot inform dns wan wan wifi question guy help mayb peopl plan correct chang current isp new one first dns know re ceiv new ip isp major chang need take consider exchang server owa vpn two site link wireless conne ct km away citrix server vmware exchang domain control link place import server crucial step infor m need know avoid downtim busi regard ndavid',)

('use ef migrat creat databas googl migrat tutori af first run applic creat databas ef enabl migrat way creat databas migrat rune applic tri',)

('magento unit test problem magento site recent look way check integr magento site given point unit test jump one method would assum would big job write whole lot test check everyth site work anyon involv unit test magento advis follow possibl test whole site custom modul nis exampl test would amaz given site heavili link databas would nbe possibl fulli test site without disturb databas better way automaticlli check integr magento site say integr realli mean fault site ship p ayment etc work correct',)

('find network devic without bonjour write mac applic need discov mac pcs iphon ipad connect wifi network bonjour seem reason choic turn problem mani type router mine exampl work block bonjour ser vic need find ip devic tri connect applic specif port determin process run best approach accomplish task without violat app store sandbox',)

('send multipl row mysql databas want send user mysql databas column user skill time nnow want abl add one row user differ time etc would code send databas nthen use help schema',)

('insert data mysql php powerpoint event powerpoint present run continu way updat slide present automat data mysql databas websit',)

[4]

In [0]:

```
#Taking 1 Million entries to a dataframe.
write_db = 'Processed.db'
if os.path.isfile(write_db):
    conn_r = create_connection(write_db)
    if conn_r is not None:
        preprocessed_data = pd.read_sql_query("""SELECT question, Tags FROM QuestionsProcessed""",
conn_r)
conn_r.commit()
conn_r.close()
```

In [0]:

```
preprocessed data.head()
```

Out[0]:

| | question | tags |
|---|--|----------------------|
| 0 | resiz root window tkinter resiz root window re | python tkinter |
| 1 | ef code first defin one mani relationship diff | entity-framework-4.1 |
| 2 | explan new statement review section c code cam | C++ |
| 3 | error function notat function solv logic riddl | haskell logic |
| 4 | step plan move one isp anoth one work busi pla | dns isp |

```
print("number of data points in sample :", preprocessed_data.shape[0])
print("number of dimensions :", preprocessed_data.shape[1])
```

```
number of data points in sample : 999999 number of dimensions : 2
```

4. Machine Learning Models

4.1 Converting tags for multilabel problems

| X | у1 | y2 | у3 | y4 |
|----|----|----|----|----|
| x1 | 0 | 1 | 1 | 0 |
| x1 | 1 | 0 | 0 | 0 |
| x1 | 0 | 1 | 0 | 0 |

In [0]:

```
# binary='true' will give a binary vectorizer
vectorizer = CountVectorizer(tokenizer = lambda x: x.split(), binary='true')
multilabel_y = vectorizer.fit_transform(preprocessed_data['tags'])
```

We will sample the number of tags instead considering all of them (due to limitation of computing power)

In [5]:

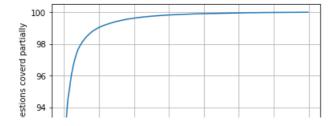
```
def tags_to_choose(n):
    t = multilabel_y.sum(axis=0).tolist()[0]
    sorted_tags_i = sorted(range(len(t)), key=lambda i: t[i], reverse=True)
    multilabel_yn=multilabel_y[:,sorted_tags_i[:n]]
    return multilabel_yn

def questions_explained_fn(n):
    multilabel_yn = tags_to_choose(n)
    x= multilabel_yn.sum(axis=1)
    return (np.count_nonzero(x==0))
```

In [0]:

```
questions_explained = []
total_tags=multilabel_y.shape[1]
total_qs=preprocessed_data.shape[0]
for i in range(500, total_tags, 100):
    questions_explained.append(np.round(((total_qs-questions_explained_fn(i))/total_qs)*100,3))
```

```
fig, ax = plt.subplots()
ax.plot(questions_explained)
xlabel = list(500+np.array(range(-50,450,50))*50)
ax.set_xticklabels(xlabel)
plt.xlabel("Number of tags")
plt.ylabel("Number Questions coverd partially")
plt.grid()
plt.show()
# you can choose any number of tags based on your computing power, minimum is 50(it covers 90% of the tags)
print("with ",5500,"tags we are covering ",questions_explained[50],"% of questions")
```



```
92
90
500 3000 5500 8000 10500 13000 15500 18000
Number of tags
```

with 5500 tags we are covering 99.04 % of questions

In [0]:

```
multilabel_yx = tags_to_choose(5500)
print("number of questions that are not covered :", questions_explained_fn(5500),"out of ", total_
qs)
```

number of questions that are not covered: 9599 out of 999999

In [0]:

```
print("Number of tags in sample :", multilabel_y.shape[1])
print("number of tags taken :", multilabel_yx.shape[1],"(", (multilabel_yx.shape[1]/multilabel_y.sha
pe[1])*100,"%)")
```

Number of tags in sample : 35422 number of tags taken : 5500 (15.527073570097679 %)

We consider top 15% tags which covers 99% of the questions

4.2 Split the data into test and train (80:20)

In [0]:

```
total_size=preprocessed_data.shape[0]
train_size=int(0.80*total_size)

x_train=preprocessed_data.head(train_size)
x_test=preprocessed_data.tail(total_size - train_size)

y_train = multilabel_yx[0:train_size,:]
y_test = multilabel_yx[train_size:total_size,:]
```

In [0]:

```
print("Number of data points in train data :", y_train.shape)
print("Number of data points in test data :", y_test.shape)
```

Number of data points in train data : (799999, 5500) Number of data points in test data : (200000, 5500)

4.3 Featurizing data

In [0]:

Time taken to run this cell: 0:09:50.460431

```
print("Dimensions of train data X:".x train multilabel.shape. "Y :".v train.shape)
```

```
print("Dimensions of test data X:",x test multilabel.shape,"Y:",y test.shape)
Diamensions of train data X: (799999, 88244) Y: (799999, 5500)
Diamensions of test data X: (200000, 88244) Y: (200000, 5500)
In [0]:
# https://www.analyticsvidhya.com/blog/2017/08/introduction-to-multi-label-classification/
#https://stats.stackexchange.com/questions/117796/scikit-multi-label-classification
# classifier = LabelPowerset(GaussianNB())
from skmultilearn.adapt import MLkNN
classifier = MLkNN(k=21)
# train
classifier.fit(x train multilabel, y train)
# predict
predictions = classifier.predict(x test multilabel)
print(accuracy_score(y_test,predictions))
print(metrics.f1_score(y_test, predictions, average = 'macro'))
print(metrics.fl score(y test, predictions, average = 'micro'))
print(metrics.hamming_loss(y_test,predictions))
\# we are getting memory error because the multilearn package
# is trying to convert the data into dense matrix
#MemoryError
                                           Traceback (most recent call last)
#<ipython-input-170-f0e7c7f3e0be> in <module>()
#---> classifier.fit(x train multilabel, y train)
Out[0]:
"\nfrom skmultilearn.adapt import MLkNN\nclassifier = MLkNN(k=21)\n\n#
train\nclassifier.fit(x_train_multilabel, y_train)\n\n# predict\npredictions =
classifier.predict(x test multilabel) \nprint(accuracy score(y test,predictions)) \nprint(metrics.fl
e(y_test, predictions, average = 'macro'))\nprint(metrics.fl_score(y_test, predictions, average =
'micro')) \n int (metrics.hamming loss (y test, predictions)) \n"
4
```

4.4 Applying Logistic Regression with OneVsRest Classifier

In [0]:

0.87

0.61

0.72

```
# this will be taking so much time try not to run it, download the lr_with_equal_weight.pkl file a
nd use to predict
# This takes about 6-7 hours to run.
classifier = OneVsRestClassifier(SGDClassifier(loss='log', alpha=0.00001, penalty='l1'), n_jobs=-1)
classifier.fit(x train multilabel, y train)
predictions = classifier.predict(x test multilabel)
print("accuracy :",metrics.accuracy_score(y_test,predictions))
print("macro f1 score :", metrics.f1 score(y test, predictions, average = 'macro'))
print("micro f1 scoore :",metrics.f1 score(y test, predictions, average = 'micro'))
print("hamming loss:", metrics.hamming loss(y test, predictions))
print("Precision recall report :\n", metrics.classification report(y test, predictions))
accuracy : 0.081965
macro f1 score : 0.0963020140154
micro fl scoore : 0.374270748817
hamming loss: 0.00041225090909090907
Precision recall report :
            precision
                        recall f1-score support
                0.62
                         0.23
                                   0.33
                                            15760
         Ω
                0.79
                         0.43
                                  0.56
                                           14039
         2
                0.82
                         0.55
                                  0.66
                                            13446
                0.76
                                            12730
         3
                         0.42
                                   0.54
                0.94
                          0.76
                                    0.84
                                             11229
                0.85
                         0.64
                                            10561
                                   0.73
         5
                0.70
                         0.30
                                  0.42
                                            6958
```

6309

| 8 | 0.70 | 0.40 | 0.50 | 6032 |
|------------|-------|--------|------|------|
| | | | | |
| 9 | 0.78 | 0.43 | 0.55 | 6020 |
| 10 | 0.86 | 0.62 | 0.72 | 5707 |
| 11 | 0.52 | 0.17 | 0.25 | 5723 |
| 12 | 0.55 | 0.10 | 0.16 | 5521 |
| 13 | 0.59 | 0.25 | 0.35 | 4722 |
| 14 | 0.61 | 0.22 | 0.32 | 4468 |
| 15 | 0.79 | 0.52 | 0.63 | 4536 |
| 16 | 0.58 | 0.27 | 0.37 | 4545 |
| 17 | 0.80 | 0.53 | 0.64 | 4069 |
| | | | | |
| 18 | 0.61 | 0.24 | 0.35 | 3638 |
| 19 | 0.57 | 0.18 | 0.27 | 3218 |
| 20 | 0.33 | 0.06 | 0.10 | 3000 |
| 21 | 0.73 | 0.34 | 0.46 | 2585 |
| 22 | 0.59 | 0.29 | 0.38 | 2439 |
| 23 | 0.88 | 0.61 | 0.72 | 2199 |
| 24 | 0.64 | 0.39 | 0.48 | 2157 |
| 25 | 0.67 | 0.39 | 0.49 | 2123 |
| 26 | 0.86 | 0.65 | 0.74 | 1948 |
| 27 | 0.35 | 0.07 | 0.12 | 2027 |
| 28 | 0.59 | 0.29 | 0.39 | 2013 |
| 29 | 0.61 | 0.20 | 0.30 | |
| | | | | 1801 |
| 30 | 0.48 | 0.24 | 0.32 | 1728 |
| 31 | 0.94 | 0.75 | 0.84 | 1725 |
| 32 | 0.60 | 0.26 | 0.36 | 1581 |
| 33 | 0.49 | 0.14 | 0.22 | 1533 |
| 34 | 0.81 | 0.33 | 0.47 | 1565 |
| 35 | 0.75 | 0.62 | 0.68 | 1568 |
| 36 | 0.76 | 0.50 | 0.60 | 1542 |
| 37 | 0.74 | 0.50 | 0.59 | 1536 |
| 38 | 0.37 | 0.12 | 0.19 | 1524 |
| 39 | 0.40 | 0.12 | 0.19 | 1345 |
| 40 | 0.65 | 0.38 | 0.48 | 1292 |
| 41 | 0.41 | 0.11 | 0.17 | 1264 |
| | | | | |
| 42 | 0.69 | 0.25 | 0.37 | 1265 |
| 43 | 0.59 | 0.29 | 0.38 | 1171 |
| 44 | 0.41 | 0.15 | 0.22 | 1173 |
| 45 | 0.38 | 0.10 | 0.16 | 1137 |
| 46 | 0.62 | 0.12 | 0.20 | 1125 |
| 47 | 0.26 | 0.07 | 0.11 | 1116 |
| 48 | 0.44 | 0.15 | 0.22 | 1042 |
| 49 | 0.40 | 0.02 | 0.03 | 1096 |
| 50 | 0.63 | 0.38 | 0.48 | 1031 |
| 51 | 0.47 | 0.14 | 0.22 | 1033 |
| 52 | 0.87 | 0.68 | 0.76 | 1042 |
| 53 | 0.32 | 0.09 | 0.14 | 1027 |
| 54 | 0.53 | 0.14 | 0.22 | 1063 |
| 55 | 0.63 | 0.34 | 0.44 | 1048 |
| 56 | 0.03 | 0.42 | | |
| | | | 0.54 | 1054 |
| 57 | 0.91 | 0.77 | 0.83 | 1058 |
| 58 | 0.37 | 0.10 | 0.16 | 1000 |
| 59 | 0.26 | 0.03 | 0.05 | 973 |
| 60 | 0.76 | 0.42 | 0.54 | 978 |
| 61 | 0.74 | 0.43 | 0.54 | 977 |
| 62 | 0.27 | 0.06 | 0.10 | 957 |
| 63 | 0.81 | 0.22 | 0.34 | 958 |
| 64 | 0.88 | 0.63 | 0.73 | 944 |
| 65 | 0.76 | 0.49 | 0.60 | 923 |
| 66 | 0.67 | 0.36 | 0.47 | 959 |
| 67 | 0.55 | 0.15 | 0.24 | 951 |
| 68 | 0.38 | 0.13 | 0.20 | 924 |
| 69 | 0.71 | 0.25 | 0.37 | 897 |
| | 0.71 | | 0.59 | |
| 70 71 | | 0.47 | | 900 |
| 71 | 0.82 | 0.40 | 0.54 | 893 |
| 72 | 0.21 | 0.01 | 0.01 | 836 |
| 73 | 0.74 | 0.16 | 0.26 | 850 |
| 74 | 0.58 | 0.37 | 0.45 | 838 |
| 75 | 0.88 | 0.64 | 0.74 | 855 |
| 76 | 0.47 | 0.28 | 0.35 | 837 |
| 77 | 0.68 | 0.41 | 0.52 | 824 |
| 78 | 0.14 | 0.01 | 0.01 | 793 |
| 79 | 0.34 | 0.09 | 0.14 | 751 |
| 80 | 0.31 | 0.08 | 0.13 | 793 |
| 81 | 0.71 | 0.33 | 0.45 | 758 |
| 82 | 0.60 | 0.28 | 0.38 | 764 |
| 83 | 0.82 | 0.59 | 0.69 | 710 |
| 84 | 0.82 | 0.48 | 0.61 | 734 |
| U 1 | J. UZ | J • 10 | J•∪± | , 54 |

| 85 | 0.79 | 0.42 | 0.55 | 723 |
|-----|------|------|------|------------|
| 86 | 0.44 | 0.23 | 0.30 | 708 |
| 87 | 0.93 | 0.58 | 0.72 | 714 |
| 88 | 0.91 | 0.53 | 0.67 | 683 |
| 89 | 0.58 | 0.20 | 0.30 | 711 |
| 90 | 0.71 | 0.42 | 0.53 | 699 |
| 91 | 0.44 | 0.03 | 0.06 | 725 |
| 92 | 0.71 | 0.47 | 0.57 | 676 |
| 93 | 0.47 | 0.10 | 0.16 | 672 |
| 94 | 0.66 | 0.40 | 0.50 | 645 |
| 95 | 0.86 | 0.40 | 0.75 | 691 |
| | | | | |
| 96 | 0.57 | 0.09 | 0.15 | 664 |
| 97 | 0.91 | 0.59 | 0.72 | 633 |
| 98 | 0.64 | 0.38 | 0.48 | 615 |
| 99 | 0.53 | 0.19 | 0.29 | 667 |
| 100 | 0.89 | 0.71 | 0.79 | 656 |
| 101 | 0.22 | 0.03 | 0.05 | 648 |
| 102 | 0.64 | 0.13 | 0.22 | 654 |
| 103 | 0.92 | 0.63 | 0.75 | 653 |
| 104 | 0.87 | 0.52 | 0.65 | 656 |
| 105 | 0.20 | 0.02 | 0.04 | 607 |
| 106 | 0.68 | 0.34 | 0.45 | 635 |
| 107 | 0.23 | 0.03 | 0.05 | 594 |
| 108 | 0.40 | 0.18 | 0.25 | 592 |
| 109 | 0.32 | 0.07 | 0.12 | 604 |
| 110 | 0.46 | 0.21 | 0.29 | 606 |
| 111 | 0.70 | 0.39 | 0.50 | 567 |
| 112 | 0.68 | 0.33 | 0.38 | 571 |
| 113 | | | | 578 |
| | 0.61 | 0.36 | 0.45 | |
| 114 | 0.47 | 0.18 | 0.26 | 564 |
| 115 | 0.35 | 0.13 | 0.19 | 537 |
| 116 | 0.93 | 0.66 | 0.77 | 583 |
| 117 | 0.59 | 0.09 | 0.15 | 534 |
| 118 | 0.66 | 0.35 | 0.46 | 566 |
| 119 | 0.20 | 0.04 | 0.07 | 567 |
| 120 | 0.48 | 0.16 | 0.24 | 497 |
| 121 | 0.55 | 0.19 | 0.29 | 536 |
| 122 | 0.24 | 0.05 | 0.08 | 528 |
| 123 | 0.81 | 0.53 | 0.64 | 550 |
| 124 | 0.50 | 0.21 | 0.29 | 563 |
| 125 | 0.35 | 0.06 | 0.10 | 545 |
| 126 | 0.49 | 0.18 | 0.27 | 544 |
| 127 | 0.95 | 0.76 | 0.84 | 549 |
| 128 | 0.63 | 0.34 | 0.44 | 495 |
| 129 | 0.94 | 0.59 | 0.73 | 509 |
| 130 | 0.34 | 0.11 | 0.16 | 501 |
| 131 | 0.28 | 0.04 | 0.07 | 524 |
| 132 | 0.48 | 0.26 | 0.34 | 485 |
| | | | | |
| 133 | 0.55 | 0.37 | 0.45 | 515 |
| 134 | 0.32 | 0.04 | 0.08 | 536 |
| 135 | 0.77 | 0.38 | 0.51 | 526 |
| 136 | 0.67 | 0.34 | 0.45 | 493 |
| 137 | 0.40 | 0.08 | 0.14 | 501 |
| 138 | 0.31 | 0.05 | 0.09 | 501 |
| 139 | 0.29 | 0.02 | 0.04 | 523 |
| 140 | 0.88 | 0.64 | 0.74 | 508 |
| 141 | 0.33 | 0.11 | 0.16 | 490 |
| 142 | 0.77 | 0.50 | 0.60 | 482 |
| 143 | 0.49 | 0.25 | 0.33 | 461 |
| 144 | 0.74 | 0.48 | 0.58 | 496 |
| 145 | 0.62 | 0.17 | 0.26 | 521 |
| 146 | 0.39 | 0.13 | 0.19 | 481 |
| 147 | 0.00 | 0.00 | 0.00 | 486 |
| 148 | 0.37 | 0.09 | 0.14 | 497 |
| 149 | 0.54 | 0.09 | 0.16 | 470 |
| 150 | 0.37 | 0.11 | 0.17 | 459 |
| 151 | 0.74 | 0.45 | 0.56 | 464 |
| 152 | | 0.43 | 0.30 | |
| | 0.50 | | 0.32 | 482 |
| 153 | 0.46 | 0.09 | | 507 503 |
| 154 | 0.29 | 0.04 | 0.07 | 503 |
| 155 | 0.90 | 0.59 | 0.71 | 456 |
| 156 | 0.50 | 0.27 | 0.35 | 480 |
| 157 | 0.54 | 0.26 | 0.35 | 443 |
| 158 | 0.92 | 0.70 | 0.80 | 457 |
| 159 | 0.57 | 0.08 | 0.13 | 478 |
| 160 | 0.16 | 0.03 | 0.05 | 470 |
| 161 | 0.37 | 0.18 | 0.24 | 468 |

| | J . J . | · · · · | · • | 200 |
|-----|---------|---------|------|-----|
| 162 | 0.24 | 0.05 | 0.09 | 428 |
| 163 | 0.40 | 0.08 | 0.13 | 462 |
| | | | | |
| 164 | 0.73 | 0.32 | 0.45 | 493 |
| 165 | 0.93 | 0.68 | 0.79 | 437 |
| 166 | 0.40 | 0.20 | 0.26 | 435 |
| 167 | 0.30 | 0.02 | 0.03 | 448 |
| 168 | 0.53 | 0.16 | 0.25 | 436 |
| 169 | 0.36 | 0.10 | 0.15 | 437 |
| | | | | |
| 170 | 0.38 | 0.09 | 0.15 | 410 |
| 171 | 0.59 | 0.32 | 0.41 | 450 |
| 172 | 0.69 | 0.39 | 0.50 | 435 |
| 173 | 0.91 | 0.67 | 0.77 | 427 |
| 174 | 0.45 | 0.16 | 0.24 | 427 |
| 175 | 0.43 | 0.17 | 0.24 | 424 |
| | | 0.43 | 0.52 | |
| 176 | 0.64 | | | 410 |
| 177 | 0.67 | 0.29 | 0.40 | 426 |
| 178 | 0.74 | 0.49 | 0.59 | 459 |
| 179 | 0.52 | 0.13 | 0.20 | 433 |
| 180 | 0.71 | 0.36 | 0.48 | 452 |
| 181 | 0.91 | 0.62 | 0.74 | 427 |
| | | | | |
| 182 | 0.46 | 0.13 | 0.20 | 410 |
| 183 | 0.28 | 0.02 | 0.04 | 404 |
| 184 | 0.69 | 0.42 | 0.52 | 406 |
| 185 | 0.68 | 0.41 | 0.52 | 411 |
| 186 | 0.22 | 0.02 | 0.03 | 394 |
| 187 | 0.90 | 0.65 | 0.75 | 414 |
| | | | | |
| 188 | 0.64 | 0.10 | 0.18 | 430 |
| 189 | 0.16 | 0.04 | 0.06 | 389 |
| 190 | 0.28 | 0.03 | 0.05 | 418 |
| 191 | 0.36 | 0.16 | 0.22 | 371 |
| 192 | 0.83 | 0.57 | 0.68 | 363 |
| 193 | 0.91 | 0.55 | 0.69 | 389 |
| 194 | 0.44 | 0.04 | 0.07 | 411 |
| | | 0.22 | | |
| 195 | 0.49 | | 0.31 | 383 |
| 196 | 0.95 | 0.74 | 0.83 | 423 |
| 197 | 0.91 | 0.54 | 0.68 | 378 |
| 198 | 0.69 | 0.38 | 0.49 | 382 |
| 199 | 0.12 | 0.01 | 0.02 | 344 |
| 200 | 0.71 | 0.31 | 0.44 | 383 |
| 201 | 0.77 | 0.34 | 0.47 | 390 |
| 202 | 0.18 | 0.02 | 0.04 | 405 |
| 203 | 0.43 | 0.07 | 0.11 | 365 |
| | | | | |
| 204 | 0.42 | 0.14 | 0.21 | 346 |
| 205 | 0.21 | 0.05 | 0.08 | 378 |
| 206 | 0.67 | 0.27 | 0.39 | 390 |
| 207 | 0.33 | 0.07 | 0.11 | 379 |
| 208 | 0.39 | 0.11 | 0.17 | 386 |
| 209 | 0.42 | 0.15 | 0.22 | 339 |
| 210 | 0.27 | 0.07 | 0.12 | 382 |
| 211 | 0.37 | 0.05 | 0.08 | 374 |
| | | | | |
| 212 | 0.62 | 0.38 | 0.47 | 364 |
| 213 | 0.94 | 0.76 | 0.84 | 372 |
| 214 | 0.96 | 0.63 | 0.76 | 350 |
| 215 | 0.76 | 0.38 | 0.50 | 352 |
| 216 | 0.00 | 0.00 | 0.00 | 351 |
| 217 | 0.64 | 0.29 | 0.40 | 329 |
| 218 | 0.72 | 0.31 | 0.44 | 341 |
| 219 | 0.94 | 0.71 | 0.81 | 331 |
| | | | | |
| 220 | 0.49 | 0.27 | 0.35 | 342 |
| 221 | 0.76 | 0.39 | 0.52 | 339 |
| 222 | 0.29 | 0.04 | 0.06 | 332 |
| 223 | 0.43 | 0.12 | 0.18 | 327 |
| 224 | 0.31 | 0.06 | 0.11 | 324 |
| 225 | 0.51 | 0.21 | 0.30 | 352 |
| 226 | 0.65 | 0.30 | 0.41 | 317 |
| | | | | |
| 227 | 0.54 | 0.12 | 0.20 | 355 |
| 228 | 0.57 | 0.19 | 0.29 | 341 |
| 229 | 0.58 | 0.37 | 0.46 | 334 |
| 230 | 0.64 | 0.49 | 0.56 | 304 |
| 231 | 0.43 | 0.04 | 0.07 | 321 |
| 232 | 0.77 | 0.50 | 0.61 | 311 |
| 233 | 0.32 | 0.10 | 0.15 | 312 |
| 234 | 0.09 | 0.01 | 0.02 | 306 |
| 235 | 0.03 | 0.00 | 0.02 | 305 |
| | | | | |
| 236 | 0.16 | 0.02 | 0.04 | 340 |
| 237 | 0.58 | 0.30 | 0.40 | 316 |
| 238 | 0 - 65 | 0.23 | 0.34 | 297 |
| | | | | |

| 200 | · · · · | V • 2 V | U • U 1 | ٠ - ١ |
|-----|--------------|---------|---------|-------|
| 239 | 0.35 | 0.13 | 0.19 | 305 |
| 240 | 0.73 | 0.44 | 0.55 | 310 |
| 241 | 0.67 | 0.36 | 0.47 | 307 |
| | | | | |
| 242 | 0.58 | 0.16 | 0.25 | 316 |
| 243 | 0.26 | 0.07 | 0.11 | 314 |
| 244 | 0.51 | 0.12 | 0.19 | 316 |
| 245 | 0.67 | 0.46 | 0.55 | 313 |
| 246 | 0.79 | 0.46 | 0.58 | 325 |
| | 0.60 | | | 291 |
| 247 | | 0.36 | 0.45 | |
| 248 | 0.33 | 0.01 | 0.02 | 311 |
| 249 | 0.57 | 0.24 | 0.33 | 314 |
| 250 | 0.38 | 0.05 | 0.09 | 309 |
| 251 | 0.30 | 0.08 | 0.13 | 300 |
| 252 | 0.55 | 0.27 | 0.36 | 325 |
| | | | | |
| 253 | 0.76 | 0.51 | 0.61 | 316 |
| 254 | 0.43 | 0.09 | 0.15 | 306 |
| 255 | 0.54 | 0.19 | 0.28 | 289 |
| 256 | 0.49 | 0.11 | 0.18 | 304 |
| 257 | 0.16 | 0.02 | 0.04 | 268 |
| 258 | | | | |
| | 0.85 | 0.58 | 0.69 | 266 |
| 259 | 0.06 | 0.00 | 0.01 | 298 |
| 260 | 0.55 | 0.36 | 0.43 | 292 |
| 261 | 0.25 | 0.05 | 0.08 | 289 |
| 262 | 0.50 | 0.01 | 0.01 | 305 |
| 263 | 0.00 | 0.00 | 0.00 | 281 |
| 264 | 0.59 | 0.00 | | 295 |
| | | | 0.35 | |
| 265 | 0.16 | 0.02 | 0.04 | 281 |
| 266 | 0.83 | 0.52 | 0.64 | 269 |
| 267 | 0.45 | 0.12 | 0.19 | 312 |
| 268 | 0.75 | 0.40 | 0.52 | 294 |
| 269 | 0.34 | 0.05 | 0.09 | 285 |
| | 0.56 | | | |
| 270 | | 0.33 | 0.42 | 279 |
| 271 | 0.50 | 0.28 | 0.36 | 269 |
| 272 | 0.59 | 0.38 | 0.46 | 277 |
| 273 | 0.69 | 0.31 | 0.43 | 272 |
| 274 | 0.36 | 0.01 | 0.03 | 285 |
| 275 | 0.94 | 0.69 | 0.80 | 295 |
| 276 | 0.46 | 0.19 | 0.27 | 283 |
| 277 | 0.65 | 0.29 | 0.40 | 250 |
| | | | | |
| 278 | 0.57 | 0.20 | 0.30 | 281 |
| 279 | 0.86 | 0.58 | 0.69 | 270 |
| 280 | 0.62 | 0.35 | 0.44 | 272 |
| 281 | 0.32 | 0.07 | 0.11 | 278 |
| 282 | 0.00 | 0.00 | 0.00 | 264 |
| 283 | 0.85 | 0.59 | 0.70 | 281 |
| 284 | 0.78 | 0.53 | 0.63 | 261 |
| | | | | |
| 285 | 0.33 | 0.09 | 0.14 | 283 |
| 286 | 0.00 | 0.00 | 0.00 | 275 |
| 287 | 0.29 | 0.03 | 0.05 | 274 |
| 288 | 0.37 | 0.04 | 0.06 | 284 |
| 289 | 0.00 | 0.00 | 0.00 | 260 |
| 290 | 0.54 | 0.24 | 0.34 | 245 |
| 291 | 0.07 | 0.00 | 0.01 | 267 |
| 292 | | | | |
| | 0.33 | 0.07 | 0.11 | 263 |
| 293 | 0.30 | 0.09 | 0.14 | 268 |
| 294 | 0.33 | 0.11 | 0.16 | 270 |
| 295 | 0.48 | 0.06 | 0.10 | 261 |
| 296 | 0.84 | 0.59 | 0.69 | 240 |
| 297 | 0.43 | 0.22 | 0.29 | 250 |
| 298 | 0.81 | 0.51 | 0.63 | 245 |
| 299 | 0.11 | 0.01 | 0.01 | 283 |
| | | | | |
| 300 | 0.51 | 0.21 | 0.30 | 236 |
| 301 | 0.78 | 0.51 | 0.62 | 267 |
| 302 | 0.19 | 0.02 | 0.04 | 243 |
| 303 | 0.26 | 0.04 | 0.06 | 276 |
| 304 | 0.89 | 0.71 | 0.79 | 280 |
| 305 | 0.37 | 0.14 | 0.20 | 249 |
| 306 | 0.24 | 0.02 | 0.04 | 258 |
| 307 | 0.00 | 0.00 | 0.00 | 262 |
| | | | | |
| 308 | 0.53 | 0.20 | 0.29 | 248 |
| 309 | 0.58 | 0.25 | 0.35 | 244 |
| 310 | 0.33 | 0.06 | 0.09 | 254 |
| 311 | 0.41 | 0.10 | 0.16 | 263 |
| 312 | 0.52 | 0.25 | 0.33 | 232 |
| 313 | 0.75 | 0.55 | 0.63 | 235 |
| 314 | 0.61 | 0.11 | 0.19 | 248 |
| 315 | 0.01 0.49 | 0.11 | 0.15 | 240 |
| | | | | |

| シェン | U. IJ | U. ± U | U • Z J | ۷.۷ |
|-----|-------|--------|---------|-------|
| 316 | 0.33 | 0.08 | 0.12 | 264 |
| 317 | 0.61 | 0.06 | 0.12 | 216 |
| 318 | 0.05 | | 0.01 | 230 |
| | | 0.00 | | |
| 319 | 0.53 | 0.27 | 0.36 | 230 |
| 320 | 0.00 | 0.00 | 0.00 | 239 |
| 321 | 0.45 | 0.08 | 0.13 | 265 |
| 322 | 0.69 | 0.32 | 0.44 | 253 |
| 323 | 0.23 | 0.04 | 0.06 | 238 |
| | | | | |
| 324 | 0.72 | 0.37 | 0.49 | 232 |
| 325 | 0.22 | 0.05 | 0.08 | 239 |
| 326 | 0.49 | 0.18 | 0.26 | 261 |
| 327 | 0.64 | 0.14 | 0.23 | 261 |
| 328 | 0.67 | 0.47 | 0.55 | 231 |
| 329 | 0.46 | 0.13 | 0.20 | 264 |
| 330 | 0.18 | 0.02 | 0.03 | 242 |
| | | | | |
| 331 | 0.80 | 0.37 | 0.50 | 231 |
| 332 | 0.63 | 0.28 | 0.39 | 234 |
| 333 | 0.50 | 0.32 | 0.39 | 212 |
| 334 | 0.26 | 0.05 | 0.09 | 221 |
| 335 | 0.15 | 0.03 | 0.05 | 242 |
| 336 | 0.57 | 0.30 | 0.40 | 211 |
| 337 | 0.20 | | | |
| | | 0.01 | 0.03 | 212 |
| 338 | 0.00 | 0.00 | 0.00 | 222 |
| 339 | 0.22 | 0.02 | 0.04 | 227 |
| 340 | 0.66 | 0.30 | 0.41 | 216 |
| 341 | 0.57 | 0.26 | 0.36 | 231 |
| 342 | 0.45 | 0.22 | 0.29 | 233 |
| | | | 0.04 | |
| 343 | 0.17 | 0.03 | | 232 |
| 344 | 0.28 | 0.02 | 0.04 | 209 |
| 345 | 0.37 | 0.11 | 0.17 | 216 |
| 346 | 0.27 | 0.09 | 0.13 | 222 |
| 347 | 0.48 | 0.19 | 0.28 | 243 |
| 348 | 0.51 | 0.26 | 0.35 | 222 |
| | | | 0.20 | |
| 349 | 0.57 | 0.12 | | 228 |
| 350 | 0.44 | 0.12 | 0.18 | 205 |
| 351 | 0.58 | 0.30 | 0.39 | 177 |
| 352 | 0.77 | 0.39 | 0.52 | 234 |
| 353 | 0.96 | 0.57 | 0.71 | 230 |
| 354 | 0.47 | 0.21 | 0.29 | 195 |
| 355 | 0.90 | 0.42 | 0.57 | 209 |
| | | | | |
| 356 | 0.06 | 0.00 | 0.01 | 205 |
| 357 | 0.50 | 0.11 | 0.18 | 211 |
| 358 | 0.43 | 0.16 | 0.23 | 230 |
| 359 | 0.27 | 0.08 | 0.12 | 211 |
| 360 | 0.39 | 0.09 | 0.14 | 221 |
| 361 | 0.24 | 0.04 | 0.08 | 200 |
| | | | | |
| 362 | 0.82 | 0.15 | 0.25 | 219 |
| 363 | 0.36 | 0.07 | 0.12 | 222 |
| 364 | 0.62 | 0.27 | 0.38 | 213 |
| 365 | 0.94 | 0.36 | 0.52 | 199 |
| 366 | 0.80 | 0.37 | 0.51 | 200 |
| 367 | 0.76 | 0.29 | 0.42 | 199 |
| 368 | 0.57 | 0.26 | 0.36 | 212 |
| 369 | 0.93 | 0.71 | 0.80 | 214 |
| | | | | |
| 370 | 0.10 | 0.02 | 0.03 | 197 |
| 371 | 0.20 | 0.03 | 0.05 | 212 |
| 372 | 0.41 | 0.14 | 0.21 | 210 |
| 373 | 0.43 | 0.03 | 0.05 | 211 |
| 374 | 0.41 | 0.15 | 0.22 | 213 |
| 375 | 0.00 | 0.00 | 0.00 | 216 |
| | | | | |
| 376 | 0.87 | 0.53 | 0.66 | 195 |
| 377 | 0.95 | 0.67 | 0.79 | 187 |
| 378 | 0.15 | 0.03 | 0.04 | 191 |
| 379 | 0.17 | 0.02 | 0.04 | 178 |
| 380 | 0.79 | 0.48 | 0.60 | 193 |
| 381 | 0.13 | 0.02 | 0.04 | 187 |
| 382 | 0.67 | 0.03 | 0.06 | |
| | | | | 193 |
| 383 | 0.17 | 0.04 | 0.06 | 204 |
| 384 | 0.28 | 0.15 | 0.19 | 193 |
| 385 | 0.12 | 0.02 | 0.04 | 207 |
| 386 | 0.84 | 0.45 | 0.59 | 211 |
| 387 | 0.06 | 0.00 | 0.01 | 210 |
| 388 | 0.31 | 0.04 | 0.06 | 223 |
| | 0.24 | | | |
| 389 | | 0.09 | 0.13 | 203 |
| 390 | 0.72 | 0.24 | 0.36 | 199 |
| 391 | 0.40 | 0.08 | 0.13 | 200 |
| 300 | U 33 | 0 05 | n na | 1 2 3 |
| | | | | |

| J 7 L | V • Z Z | 0.00 | U • U > | TOO |
|-------|---------|------|---------|-----|
| 393 | 0.62 | 0.31 | 0.41 | 189 |
| 394 | 0.96 | 0.66 | 0.78 | 194 |
| | | | | |
| 395 | 0.53 | 0.18 | 0.27 | 183 |
| 396 | 0.43 | 0.21 | 0.28 | 189 |
| 397 | 0.71 | 0.34 | 0.46 | 191 |
| 398 | 0.34 | 0.06 | 0.11 | 206 |
| 399 | 0.33 | 0.01 | 0.03 | 221 |
| 400 | 0.28 | 0.04 | 0.07 | 196 |
| | | | | |
| 401 | 0.28 | 0.09 | 0.14 | 179 |
| 402 | 0.28 | 0.08 | 0.12 | 187 |
| 403 | 0.51 | 0.22 | 0.31 | 203 |
| 404 | 0.46 | 0.12 | 0.19 | 205 |
| 405 | 0.35 | 0.08 | 0.13 | 218 |
| 406 | 0.19 | 0.04 | 0.06 | 196 |
| | | | | |
| 407 | 0.72 | 0.35 | 0.47 | 206 |
| 408 | 0.31 | 0.06 | 0.10 | 203 |
| 409 | 0.70 | 0.43 | 0.53 | 187 |
| 410 | 0.85 | 0.54 | 0.66 | 208 |
| 411 | 0.83 | 0.45 | 0.58 | 193 |
| 412 | 0.33 | 0.02 | 0.03 | 192 |
| 413 | 0.66 | 0.36 | 0.46 | 182 |
| | | | | |
| 414 | 0.45 | 0.19 | 0.27 | 175 |
| 415 | 0.64 | 0.49 | 0.55 | 181 |
| 416 | 0.00 | 0.00 | 0.00 | 202 |
| 417 | 0.92 | 0.44 | 0.60 | 202 |
| 418 | 0.17 | 0.01 | 0.02 | 195 |
| 419 | 0.78 | 0.25 | 0.38 | 177 |
| | | | | |
| 420 | 0.26 | 0.07 | 0.11 | 168 |
| 421 | 0.80 | 0.45 | 0.58 | 187 |
| 422 | 0.92 | 0.46 | 0.62 | 209 |
| 423 | 0.66 | 0.16 | 0.26 | 177 |
| 424 | 0.35 | 0.06 | 0.10 | 182 |
| 425 | 0.52 | 0.14 | 0.23 | 187 |
| 426 | 0.22 | 0.04 | 0.07 | 185 |
| | | | | |
| 427 | 0.43 | 0.13 | 0.20 | 185 |
| 428 | 0.42 | 0.18 | 0.25 | 185 |
| 429 | 0.92 | 0.46 | 0.61 | 175 |
| 430 | 0.90 | 0.49 | 0.64 | 190 |
| 431 | 0.31 | 0.03 | 0.05 | 185 |
| 432 | 0.71 | 0.03 | 0.05 | 189 |
| 433 | 0.60 | 0.20 | 0.30 | 184 |
| | | | | |
| 434 | 0.79 | 0.36 | 0.49 | 200 |
| 435 | 0.20 | 0.01 | 0.01 | 167 |
| 436 | 0.21 | 0.01 | 0.03 | 209 |
| 437 | 0.50 | 0.07 | 0.12 | 200 |
| 438 | 0.29 | 0.09 | 0.14 | 169 |
| 439 | 0.44 | 0.15 | 0.23 | 170 |
| 440 | 0.25 | 0.04 | 0.07 | 182 |
| | | | | |
| 441 | 0.62 | 0.34 | 0.44 | 156 |
| 442 | 0.20 | 0.02 | 0.03 | 170 |
| 443 | 0.00 | 0.00 | 0.00 | 189 |
| 444 | 0.00 | 0.00 | 0.00 | 172 |
| 445 | 0.33 | 0.11 | 0.16 | 180 |
| 446 | 0.21 | 0.06 | 0.10 | 175 |
| 447 | 0.48 | 0.12 | 0.19 | 187 |
| 448 | 0.00 | 0.00 | 0.00 | 170 |
| | | | | |
| 449 | 0.41 | 0.24 | 0.30 | 170 |
| 450 | 0.35 | 0.10 | 0.16 | 176 |
| 451 | 0.62 | 0.15 | 0.24 | 194 |
| 452 | 0.61 | 0.31 | 0.41 | 175 |
| 453 | 0.19 | 0.04 | 0.07 | 187 |
| 454 | 0.11 | 0.01 | 0.01 | 181 |
| 455 | 0.62 | 0.14 | 0.23 | 177 |
| | | | | |
| 456 | 0.50 | 0.18 | 0.26 | 170 |
| 457 | 0.24 | 0.03 | 0.05 | 182 |
| 458 | 0.68 | 0.37 | 0.48 | 172 |
| 459 | 0.00 | 0.00 | 0.00 | 190 |
| 460 | 0.43 | 0.16 | 0.23 | 183 |
| 461 | 0.94 | 0.63 | 0.75 | 182 |
| 462 | 0.35 | 0.16 | 0.22 | 173 |
| | | | | |
| 463 | 0.91 | 0.69 | 0.79 | 171 |
| 464 | 0.58 | 0.27 | 0.37 | 173 |
| 465 | 0.77 | 0.41 | 0.53 | 184 |
| 466 | 0.72 | 0.22 | 0.34 | 175 |
| 467 | 0.43 | 0.19 | 0.26 | 162 |
| 468 | 0.12 | 0.01 | 0.02 | 176 |
| 160 | Λ Ω1 | 0 16 | 0 61 | 177 |
| | | | | |

| 409 | U.91 | U.40 | U. ♡⊥ | 1// |
|-------|------|------|-------|-------|
| 470 | 0.52 | 0.07 | 0.13 | 167 |
| | 0.27 | | 0.10 | 192 |
| 471 | | 0.06 | | |
| 472 | 0.50 | 0.32 | 0.39 | 168 |
| 473 | 0.32 | 0.05 | 0.09 | 188 |
| 474 | 0.31 | 0.05 | 0.08 | 163 |
| 475 | 0.44 | 0.17 | 0.24 | 160 |
| 476 | 0.89 | 0.56 | 0.69 | 180 |
| | | | | |
| 477 | 0.92 | 0.46 | 0.61 | 182 |
| 478 | 0.49 | 0.27 | 0.35 | 171 |
| 479 | 0.57 | 0.18 | 0.27 | 174 |
| 480 | 0.96 | 0.52 | 0.68 | 162 |
| 481 | 0.21 | 0.04 | 0.06 | 169 |
| 482 | 0.33 | 0.03 | 0.06 | 157 |
| | | | | |
| 483 | 0.77 | 0.48 | 0.59 | 200 |
| 484 | 0.58 | 0.21 | 0.31 | 177 |
| 485 | 0.51 | 0.26 | 0.34 | 175 |
| 486 | 0.64 | 0.51 | 0.57 | 185 |
| 487 | 0.96 | 0.52 | 0.67 | 167 |
| 488 | 0.00 | 0.00 | 0.00 | 192 |
| 489 | 0.30 | 0.09 | 0.14 | 176 |
| | | | | |
| 490 | 0.00 | 0.00 | 0.00 | 167 |
| 491 | 0.33 | 0.01 | 0.01 | 177 |
| 492 | 0.47 | 0.26 | 0.33 | 160 |
| 493 | 0.46 | 0.22 | 0.30 | 159 |
| 494 | 0.15 | 0.03 | 0.04 | 159 |
| 495 | 0.31 | 0.10 | 0.15 | 162 |
| | | | | |
| 496 | 0.82 | 0.46 | 0.59 | 167 |
| 497 | 0.17 | 0.02 | 0.03 | 168 |
| 498 | 0.40 | 0.12 | 0.19 | 154 |
| 499 | 0.00 | 0.00 | 0.00 | 184 |
| 500 | 0.14 | 0.03 | 0.05 | 167 |
| 501 | 0.41 | 0.20 | 0.27 | 153 |
| | | | | |
| 502 | 0.78 | 0.55 | 0.65 | 143 |
| 503 | 0.22 | 0.07 | 0.10 | 177 |
| 504 | 0.69 | 0.32 | 0.44 | 177 |
| 505 | 0.90 | 0.50 | 0.64 | 152 |
| 506 | 0.80 | 0.40 | 0.54 | 179 |
| 507 | 0.60 | 0.12 | 0.20 | 171 |
| 508 | | | | |
| | 0.61 | 0.28 | 0.39 | 151 |
| 509 | 0.51 | 0.23 | 0.32 | 162 |
| 510 | 0.63 | 0.24 | 0.35 | 158 |
| 511 | 0.18 | 0.03 | 0.05 | 164 |
| 512 | 0.00 | 0.00 | 0.00 | 149 |
| 513 | 0.78 | 0.60 | 0.68 | 174 |
| | | | | |
| 514 | 0.51 | 0.15 | 0.23 | 172 |
| 515 | 0.34 | 0.14 | 0.20 | 144 |
| 516 | 0.57 | 0.15 | 0.23 | 164 |
| 517 | 0.88 | 0.67 | 0.76 | 152 |
| 518 | 0.60 | 0.02 | 0.03 | 175 |
| 519 | 0.29 | 0.04 | 0.06 | 168 |
| 520 | 0.52 | 0.11 | 0.18 | 145 |
| | | | 0.53 | |
| 521 | 0.89 | 0.38 | | 165 |
| 522 | 0.91 | 0.55 | 0.69 | 151 |
| 523 | 0.93 | 0.57 | 0.71 | 171 |
| 524 | 0.89 | 0.53 | 0.66 | 160 |
| 525 | 0.59 | 0.41 | 0.49 | 139 |
| 526 | 0.57 | 0.19 | 0.29 | 165 |
| 527 | 0.57 | 0.22 | 0.31 | 148 |
| | | | | |
| 528 | 0.64 | 0.21 | 0.32 | 178 |
| 529 | 0.31 | 0.06 | 0.10 | 152 |
| 530 | 0.11 | 0.01 | 0.01 | 143 |
| 531 | 0.57 | 0.20 | 0.30 | 174 |
| 532 | 0.63 | 0.20 | 0.30 | 135 |
| 533 | 0.35 | 0.05 | 0.09 | 179 |
| 534 | 0.26 | 0.04 | 0.08 | 135 |
| | | | | |
| 535 | 0.29 | 0.09 | 0.14 | 157 |
| 536 | 0.88 | 0.53 | 0.66 | 163 |
| 537 | 0.79 | 0.39 | 0.53 | 127 |
| 538 | 0.34 | 0.13 | 0.19 | 130 |
| 539 | 0.55 | 0.20 | 0.29 | 155 |
| 540 | 0.43 | 0.18 | 0.25 | 165 |
| | | | | 139 |
| 541 | 0.35 | 0.11 | 0.16 | |
| 542 | 0.38 | 0.05 | 0.09 | 159 |
| 543 | 0.44 | 0.18 | 0.25 | 140 |
| 544 | 0.76 | 0.17 | 0.28 | 143 |
| 545 | 0.44 | 0.12 | 0.19 | 147 |
| T 1 C | ^ 47 | 0 10 | 0 00 | 1 [] |
| | | | | |

| 546 | U.4/ | 0.18 | U.26 | 153 |
|-----|------|------|-------|-----|
| 547 | 0.76 | 0.28 | 0.41 | 165 |
| | | | | |
| 548 | 0.35 | 0.10 | 0.16 | 149 |
| 549 | 0.62 | 0.26 | 0.37 | 123 |
| 550 | 0.82 | 0.06 | 0.11 | 148 |
| 551 | 0.68 | 0.41 | 0.51 | 145 |
| 552 | 0.50 | 0.04 | 0.07 | 157 |
| | | | | |
| 553 | 0.46 | 0.23 | 0.31 | 151 |
| 554 | 0.50 | 0.01 | 0.01 | 152 |
| 555 | 0.43 | 0.17 | 0.24 | 147 |
| 556 | 0.72 | 0.35 | 0.47 | 143 |
| 557 | 0.47 | 0.20 | 0.28 | 139 |
| | | | 0.68 | |
| 558 | 0.92 | 0.54 | | 165 |
| 559 | 0.37 | 0.10 | 0.16 | 147 |
| 560 | 0.27 | 0.13 | 0.17 | 139 |
| 561 | 0.29 | 0.08 | 0.12 | 152 |
| 562 | 0.45 | 0.26 | 0.33 | 132 |
| 563 | 0.41 | 0.17 | 0.24 | 150 |
| | | | | |
| 564 | 0.30 | 0.08 | 0.13 | 165 |
| 565 | 0.73 | 0.38 | 0.50 | 147 |
| 566 | 0.27 | 0.05 | 0.08 | 151 |
| 567 | 0.52 | 0.24 | 0.33 | 153 |
| 568 | 0.48 | 0.19 | 0.27 | 148 |
| 569 | 0.17 | 0.04 | 0.06 | 142 |
| | | | | |
| 570 | 0.11 | 0.02 | 0.04 | 140 |
| 571 | 0.07 | 0.01 | 0.01 | 149 |
| 572 | 1.00 | 0.02 | 0.04 | 146 |
| 573 | 0.51 | 0.29 | 0.37 | 135 |
| 574 | 0.73 | 0.24 | 0.36 | 137 |
| | | | | |
| 575 | 0.50 | 0.11 | 0.18 | 142 |
| 576 | 0.24 | 0.10 | 0.14 | 145 |
| 577 | 0.82 | 0.25 | 0.38 | 145 |
| 578 | 0.72 | 0.33 | 0.45 | 131 |
| 579 | 0.40 | 0.15 | 0.22 | 142 |
| 580 | 0.00 | 0.00 | 0.00 | 143 |
| 581 | 0.38 | 0.09 | 0.15 | 139 |
| | | | | |
| 582 | 0.57 | 0.15 | 0.24 | 150 |
| 583 | 0.00 | 0.00 | 0.00 | 121 |
| 584 | 0.57 | 0.28 | 0.38 | 148 |
| 585 | 0.61 | 0.41 | 0.49 | 134 |
| 586 | 0.64 | 0.37 | 0.47 | 151 |
| 587 | 0.74 | 0.11 | 0.20 | 150 |
| 588 | 0.48 | 0.11 | 0.18 | 141 |
| | | | | |
| 589 | 0.20 | 0.03 | 0.05 | 137 |
| 590 | 0.79 | 0.36 | 0.50 | 154 |
| 591 | 0.52 | 0.22 | 0.31 | 126 |
| 592 | 0.85 | 0.49 | 0.62 | 144 |
| 593 | 0.29 | 0.06 | 0.10 | 130 |
| 594 | 0.46 | 0.15 | 0.22 | 148 |
| | | | | |
| 595 | 0.13 | 0.02 | 0.03 | 115 |
| 596 | 0.64 | 0.46 | 0.53 | 142 |
| 597 | 0.95 | 0.46 | 0.62 | 123 |
| 598 | 0.63 | 0.21 | 0.32 | 150 |
| 599 | 0.00 | 0.00 | 0.00 | 134 |
| 600 | 0.24 | 0.04 | 0.07 | 154 |
| 601 | 0.36 | 0.08 | 0.14 | 165 |
| 602 | 0.50 | | 0.04 | 150 |
| | | 0.02 | | |
| 603 | 0.49 | 0.15 | 0.23 | 137 |
| 604 | 0.89 | 0.53 | 0.67 | 133 |
| 605 | 0.38 | 0.14 | 0.21 | 146 |
| 606 | 0.88 | 0.12 | 0.21 | 129 |
| 607 | 0.17 | 0.03 | 0.05 | 151 |
| 608 | 0.86 | 0.55 | 0.67 | 138 |
| | | | | |
| 609 | 0.36 | 0.13 | 0.19 | 124 |
| 610 | 0.40 | 0.01 | 0.03 | 144 |
| 611 | 0.00 | 0.00 | 0.00 | 150 |
| 612 | 0.00 | 0.00 | 0.00 | 130 |
| 613 | 0.21 | 0.05 | 0.08 | 127 |
| 614 | 0.41 | 0.17 | 0.24 | 141 |
| 615 | 0.10 | 0.02 | 0.03 | 133 |
| 616 | 0.54 | 0.29 | 0.38 | 132 |
| 617 | 0.67 | 0.02 | 0.03 | 131 |
| | | | | |
| 618 | 0.21 | 0.03 | 0.06 | 125 |
| 619 | 0.63 | 0.37 | 0.46 | 123 |
| 620 | 0.00 | 0.00 | 0.00 | 148 |
| 621 | 0.12 | 0.01 | 0.02 | 117 |
| 622 | 0.72 | 0.47 | 0.57 | 129 |
| 600 | 0 06 | ^ ^4 | ^ ^ _ | 110 |
| | | | | |

| 623 | U.36 | 0.04 | 0.06 | 113 |
|-----|------|------|------|-----|
| 624 | 0.88 | 0.51 | 0.64 | 110 |
| 625 | 0.92 | 0.63 | 0.75 | 121 |
| | 0.92 | | | 125 |
| 626 | | 0.08 | 0.12 | |
| 627 | 0.95 | 0.59 | 0.73 | 132 |
| 628 | 0.67 | 0.30 | 0.42 | 116 |
| 629 | 0.81 | 0.38 | 0.52 | 126 |
| 630 | 0.29 | 0.04 | 0.07 | 126 |
| 631 | 0.28 | 0.06 | 0.10 | 148 |
| 632 | 0.91 | 0.61 | 0.74 | 140 |
| 633 | 0.50 | 0.02 | 0.03 | 128 |
| 634 | 0.40 | 0.16 | 0.22 | 128 |
| 635 | 0.00 | 0.00 | 0.00 | 140 |
| | | | | |
| 636 | 0.95 | 0.41 | 0.57 | 130 |
| 637 | 0.62 | 0.23 | 0.34 | 126 |
| 638 | 0.75 | 0.08 | 0.15 | 143 |
| 639 | 0.67 | 0.31 | 0.42 | 121 |
| 640 | 0.16 | 0.04 | 0.07 | 117 |
| 641 | 0.36 | 0.12 | 0.19 | 112 |
| 642 | 0.46 | 0.14 | 0.21 | 137 |
| 643 | 0.96 | 0.61 | 0.74 | 141 |
| 644 | 0.71 | 0.37 | 0.49 | 127 |
| 645 | 0.28 | 0.06 | 0.10 | 128 |
| 646 | 0.10 | 0.01 | 0.01 | 124 |
| 647 | 0.11 | 0.03 | 0.05 | 138 |
| 648 | | | | |
| | 0.13 | 0.03 | 0.04 | 119 |
| 649 | 0.00 | 0.00 | 0.00 | 137 |
| 650 | 0.33 | 0.01 | 0.02 | 121 |
| 651 | 0.07 | 0.02 | 0.03 | 108 |
| 652 | 0.72 | 0.41 | 0.52 | 122 |
| 653 | 0.61 | 0.26 | 0.36 | 139 |
| 654 | 0.40 | 0.02 | 0.03 | 112 |
| 655 | 0.53 | 0.14 | 0.22 | 125 |
| 656 | 0.64 | 0.19 | 0.29 | 124 |
| 657 | 0.30 | 0.08 | 0.12 | 117 |
| 658 | 0.50 | 0.20 | 0.28 | 116 |
| 659 | 0.37 | 0.08 | 0.14 | 130 |
| 660 | 0.15 | 0.02 | 0.03 | 121 |
| 661 | 0.75 | 0.35 | 0.48 | 124 |
| 662 | 0.48 | 0.12 | 0.19 | 121 |
| 663 | 0.84 | 0.63 | 0.72 | 126 |
| 664 | 0.00 | 0.00 | 0.00 | 118 |
| 665 | 0.18 | 0.06 | 0.09 | 113 |
| | | | | 128 |
| 666 | 0.00 | 0.00 | 0.00 | |
| 667 | 0.53 | 0.12 | 0.20 | 139 |
| 668 | 0.29 | 0.04 | 0.07 | 131 |
| 669 | 0.26 | 0.05 | 0.08 | 127 |
| 670 | 0.47 | 0.07 | 0.12 | 125 |
| 671 | 0.33 | 0.02 | 0.03 | 111 |
| 672 | 0.55 | 0.37 | 0.44 | 127 |
| 673 | 0.72 | 0.48 | 0.57 | 130 |
| 674 | 0.19 | 0.02 | 0.04 | 130 |
| 675 | 0.60 | 0.20 | 0.30 | 126 |
| 676 | 0.15 | 0.02 | 0.03 | 104 |
| 677 | 0.53 | 0.14 | 0.22 | 127 |
| 678 | 0.57 | 0.15 | 0.24 | 130 |
| 679 | 0.26 | 0.10 | 0.14 | 112 |
| 680 | 0.43 | 0.09 | 0.15 | 131 |
| 681 | 0.00 | 0.00 | 0.00 | 140 |
| 682 | 0.53 | | | |
| | | 0.35 | 0.42 | 114 |
| 683 | 0.78 | 0.12 | 0.22 | 112 |
| 684 | 0.35 | 0.06 | 0.10 | 115 |
| 685 | 0.66 | 0.15 | 0.24 | 128 |
| 686 | 0.57 | 0.10 | 0.17 | 122 |
| 687 | 0.25 | 0.03 | 0.05 | 109 |
| 688 | 0.29 | 0.02 | 0.03 | 108 |
| 689 | 0.00 | 0.00 | 0.00 | 125 |
| 690 | 0.50 | 0.01 | 0.02 | 117 |
| 691 | 0.36 | 0.09 | 0.15 | 127 |
| 692 | 0.80 | 0.35 | 0.49 | 129 |
| 693 | 0.42 | 0.16 | 0.23 | 118 |
| 694 | 0.72 | 0.37 | 0.49 | 151 |
| 695 | 0.67 | 0.29 | 0.41 | 112 |
| 696 | 0.81 | 0.22 | 0.34 | 119 |
| 697 | 0.19 | 0.05 | 0.07 | 109 |
| 698 | 0.58 | 0.33 | 0.42 | 122 |
| 699 | 0.96 | 0.49 | 0.65 | 102 |
| | ^ ^^ | ^ ^= | ^ | |

| 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 | 0.29 0.46 0.25 0.25 0.62 0.21 0.72 0.45 0.44 0.28 0.18 0.39 0.41 0.68 0.57 0.00 0.38 0.43 0.38 0.75 0.78 0.00 0.89 0.00 0.43 0.32 0.93 | 0.07 0.26 0.03 0.01 0.27 0.05 0.33 0.21 0.03 0.07 0.03 0.14 0.10 0.27 0.10 0.00 0.16 0.08 0.04 0.49 0.05 0.00 0.66 0.00 0.22 0.05 0.05 | 0.11 0.33 0.05 0.02 0.37 0.08 0.45 0.29 0.06 0.11 0.04 0.21 0.16 0.38 0.17 0.00 0.23 0.14 0.08 0.59 0.10 0.00 0.75 0.00 0.29 0.00 | 102 107 105 113 98 100 131 112 119 105 117 115 129 101 122 97 116 110 113 110 130 104 119 108 112 126 120 |
|---|--|--|--|---|
| 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 | 0.30 0.67 0.70 0.33 0.00 0.55 0.39 0.28 0.80 0.40 0.25 0.89 0.58 0.40 0.46 0.68 0.40 0.44 0.69 0.36 0.44 0.58 0.87 0.00 0.28 | 0.05 0.02 0.17 0.03 0.00 0.05 0.08 0.11 0.39 0.02 0.09 0.15 0.29 0.04 0.05 0.43 0.19 0.14 0.23 0.10 0.14 0.21 0.57 0.00 0.09 0.54 0.01 0.06 0.04 0.00 0.19 | 0.09 0.04 0.28 0.05 0.00 0.10 0.13 0.15 0.52 0.03 0.13 0.26 0.39 0.07 0.09 0.53 0.26 0.21 0.34 0.15 0.21 0.30 0.69 0.00 0.14 0.66 0.02 0.10 0.06 0.00 0.10 | 130 103 111 110 96 112 90 95 116 128 93 107 99 105 116 105 84 102 111 104 110 92 106 116 109 104 119 96 104 101 114 |
| 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 | 0.00 0.67 0.00 0.31 0.57 0.09 0.94 0.60 0.00 0.50 0.00 0.65 0.48 0.00 0.00 0.00 0.76 0.27 0.00 | 0.00 0.04 0.00 0.11 0.25 0.01 0.40 0.31 0.00 0.09 0.00 0.15 0.21 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.08 0.00 0.17 0.35 0.02 0.56 0.41 0.00 0.15 0.00 0.25 0.30 0.00 0.00 0.00 0.00 0.46 0.06 0.00 | 112 95 102 105 109 112 116 109 96 114 99 98 107 103 96 106 97 91 101 |

| 777 | 0.76 | 0.38 | 0.50 | 109 |
|-----|------|------|------|-----|
| | | | | |
| 778 | 0.00 | 0.00 | 0.00 | 104 |
| 779 | 0.33 | 0.08 | 0.13 | 116 |
| 780 | 0.00 | 0.00 | 0.00 | 102 |
| 781 | 0.85 | 0.26 | 0.40 | 106 |
| | | | | |
| 782 | 0.64 | 0.15 | 0.24 | 108 |
| 783 | 0.80 | 0.08 | 0.15 | 95 |
| 784 | 0.91 | 0.36 | 0.52 | 108 |
| | | | | |
| 785 | 0.94 | 0.43 | 0.59 | 113 |
| 786 | 0.40 | 0.06 | 0.10 | 109 |
| 787 | 0.78 | 0.41 | 0.54 | 112 |
| 788 | 0.00 | 0.00 | 0.00 | 104 |
| 789 | 0.43 | 0.17 | 0.25 | 92 |
| | | | | |
| 790 | 0.44 | 0.06 | 0.11 | 116 |
| 791 | 0.29 | 0.04 | 0.07 | 96 |
| 792 | 0.58 | 0.15 | 0.24 | 118 |
| 793 | 0.64 | 0.27 | 0.38 | 106 |
| 794 | 0.26 | 0.06 | 0.10 | 93 |
| | | | | |
| 795 | 0.80 | 0.31 | 0.45 | 103 |
| 796 | 0.39 | 0.12 | 0.18 | 104 |
| 797 | 0.57 | 0.09 | 0.16 | 89 |
| 798 | 0.55 | 0.06 | 0.11 | 97 |
| | | | | |
| 799 | 0.00 | 0.00 | 0.00 | 92 |
| 800 | 0.55 | 0.14 | 0.22 | 85 |
| 801 | 1.00 | 0.04 | 0.08 | 93 |
| 802 | 0.79 | 0.28 | 0.41 | 93 |
| 803 | 0.36 | 0.13 | 0.19 | 102 |
| | | | | |
| 804 | 0.65 | 0.12 | 0.20 | 108 |
| 805 | 0.87 | 0.37 | 0.52 | 111 |
| 806 | 0.61 | 0.14 | 0.23 | 98 |
| 807 | 0.20 | 0.03 | 0.06 | 94 |
| | | | | |
| 808 | 0.15 | 0.02 | 0.04 | 84 |
| 809 | 0.84 | 0.32 | 0.46 | 100 |
| 810 | 0.22 | 0.02 | 0.04 | 92 |
| 811 | 0.37 | 0.11 | 0.17 | 88 |
| 812 | 0.39 | 0.13 | 0.20 | 104 |
| | | | | |
| 813 | 0.50 | 0.04 | 0.08 | 90 |
| 814 | 0.38 | 0.07 | 0.12 | 109 |
| 815 | 0.23 | 0.04 | 0.06 | 81 |
| 816 | 0.70 | 0.22 | 0.33 | 96 |
| 817 | 0.98 | 0.53 | 0.69 | 88 |
| | | | | |
| 818 | 0.56 | 0.24 | 0.33 | 101 |
| 819 | 0.94 | 0.45 | 0.61 | 103 |
| 820 | 0.00 | 0.00 | 0.00 | 94 |
| 821 | 0.72 | 0.17 | 0.27 | 108 |
| | | | | |
| 822 | 0.29 | 0.06 | 0.09 | 90 |
| 823 | 0.81 | 0.44 | 0.57 | 97 |
| 824 | 0.50 | 0.02 | 0.04 | 90 |
| 825 | 0.52 | 0.23 | 0.32 | 102 |
| 826 | 0.12 | 0.01 | 0.02 | 85 |
| | | 0.02 | 0.03 | |
| 827 | 0.20 | | | 109 |
| 828 | 0.30 | 0.03 | 0.05 | 103 |
| 829 | 0.98 | 0.40 | 0.56 | 106 |
| 830 | 0.88 | 0.26 | 0.40 | 108 |
| 831 | 0.50 | 0.04 | 0.07 | 84 |
| 832 | 0.00 | 0.00 | 0.00 | 98 |
| | | | | |
| 833 | 0.77 | 0.26 | 0.39 | 92 |
| 834 | 0.50 | 0.10 | 0.17 | 91 |
| 835 | 0.87 | 0.28 | 0.43 | 92 |
| 836 | 0.28 | 0.07 | 0.11 | 104 |
| 837 | 0.63 | 0.24 | 0.34 | 102 |
| | | | | |
| 838 | 0.22 | 0.07 | 0.11 | 111 |
| 839 | 0.00 | 0.00 | 0.00 | 96 |
| 840 | 0.41 | 0.15 | 0.22 | 86 |
| 841 | 0.34 | 0.10 | 0.16 | 105 |
| 842 | 0.20 | 0.01 | 0.02 | 92 |
| | | | | |
| 843 | 0.39 | 0.16 | 0.23 | 86 |
| 844 | 0.00 | 0.00 | 0.00 | 108 |
| 845 | 0.45 | 0.06 | 0.11 | 82 |
| 846 | 0.22 | 0.04 | 0.07 | 101 |
| | | | | |
| 847 | 0.97 | 0.60 | 0.74 | 94 |
| 848 | 1.00 | 0.41 | 0.58 | 101 |
| 849 | 0.39 | 0.14 | 0.20 | 88 |
| 850 | 0.88 | 0.36 | 0.51 | 81 |
| 851 | 0.79 | 0.10 | 0.18 | 109 |
| | | | | |
| 852 | 0.45 | 0.13 | 0.20 | 101 |
| 853 | 0.25 | 0.03 | 0.06 | 91 |

| 854 | 0.29 | 0.06 | 0.10 | 95 |
|------------|--------------|--------------|--------------|-----------|
| 855 856 | 0.20 0.14 | 0.01 | 0.02 0.02 | 99 79 |
| 857 | 0.67 | 0.32 | 0.43 | 91 |
| 858 | 0.00 | 0.00 | 0.00 | 89 |
| 859 | 0.42 | 0.09 | 0.15 | 91 |
| 860 | 0.49 | 0.19 | 0.28 | 88 |
| 861 862 | 0.32 0.51 | 0.07 0.30 | 0.11 0.37 | 101 81 |
| 863 | 0.69 | 0.30 | 0.37 | 101 |
| 864 | 0.28 | 0.11 | 0.16 | 80 |
| 865 | 0.00 | 0.00 | 0.00 | 97 |
| 866 | 0.88 | 0.46 | 0.60 | 94 |
| 867 868 | 0.00 0.29 | 0.00 0.07 | 0.00 0.11 | 97 91 |
| 869 | 0.35 | 0.09 | 0.14 | 88 |
| 870 | 0.53 | 0.25 | 0.34 | 112 |
| 871 | 0.93 | 0.57 | 0.71 | 94 |
| 872 873 | 0.00 0.89 | 0.00 0.53 | 0.00 0.66 | 84 74 |
| 874 | 0.91 | 0.53 | 0.67 | 80 |
| 875 | 0.46 | 0.23 | 0.31 | 79 |
| 876 | 0.56 | 0.07 | 0.12 | 71 |
| 877 878 | 0.77 1.00 | 0.26 | 0.39 0.15 | 92 99 |
| 879 | 0.56 | 0.08 0.14 | 0.13 | 98 |
| 880 | 0.37 | 0.18 | 0.24 | 82 |
| 881 | 0.70 | 0.35 | 0.47 | 80 |
| 882 883 | 0.91 | 0.55 | 0.69 | 94 |
| 884 | 0.07 0.88 | 0.01 0.22 | 0.02 0.35 | 102 95 |
| 885 | 0.91 | 0.57 | 0.70 | 87 |
| 886 | 0.20 | 0.01 | 0.02 | 88 |
| 887 | 0.41 | 0.08 | 0.13 | 90 |
| 888 889 | 0.84 | 0.46 0.01 | 0.60 0.02 | 104 93 |
| 890 | 0.14 | 0.02 | 0.04 | 83 |
| 891 | 0.00 | 0.00 | 0.00 | 92 |
| 892 893 | 0.58 | 0.17 | 0.26 | 88 74 |
| 894 | 0.00 1.00 | 0.00 | 0.00 0.57 | 98 |
| 895 | 0.47 | 0.22 | 0.30 | 73 |
| 896 | 0.00 | 0.00 | 0.00 | 87 |
| 897 | 0.29 0.58 | 0.03 | 0.05 | 73 |
| 898 899 | 0.38 | 0.22 0.08 | 0.32 0.12 | 86 100 |
| 900 | 0.43 | 0.14 | 0.21 | 93 |
| 901 | 0.82 | 0.36 | 0.50 | 86 |
| 902 903 | 0.38 | 0.07 | 0.12 | 107 97 |
| 903 | 0.43 0.52 | 0.03 0.17 | 0.06 0.26 | 88 |
| 905 | 0.00 | 0.00 | 0.00 | 94 |
| 906 | 0.14 | 0.02 | 0.04 | 83 |
| 907 908 | 0.00 | 0.00 | 0.00 | 85 90 |
| 909 | 0.14 | 0.00 | 0.00 | 83 |
| 910 | 0.60 | 0.07 | 0.13 | 83 |
| 911 | 0.19 | 0.03 | 0.06 | 87 |
| 912 913 | 0.94 0.56 | 0.38 0.10 | 0.54 0.18 | 87 86 |
| 914 | 0.52 | 0.16 | 0.25 | 91 |
| 915 | 0.25 | 0.02 | 0.04 | 87 |
| 916 | 0.00 | 0.00 | 0.00 | 92 |
| 917 918 | 0.00 0.81 | 0.00 0.37 | 0.00 0.51 | 92 78 |
| 919 | 0.44 | 0.10 | 0.16 | 81 |
| 920 | 0.00 | 0.00 | 0.00 | 87 |
| 921 | 0.00 | 0.00 | 0.00 | 95 |
| 922 923 | 0.85 0.33 | 0.27 0.02 | 0.41 | 82 89 |
| 924 | 0.00 | 0.00 | 0.00 | 73 |
| 925 | 0.41 | 0.09 | 0.14 | 82 |
| 926 927 | 0.43 0.38 | 0.03 0.10 | 0.06 0.15 | 91 83 |
| 927 | 0.33 | 0.10 | 0.15 | 79 |
| 929 | 0.55 | 0.07 | 0.12 | 89 |
| 930 | 0.29 | 0.07 | 0.11 | 85 |

| 931 | 0.00 | 0.00 | 0.00 | 95 |
|------|------|------|------|----|
| | | | | |
| 932 | 0.25 | 0.01 | 0.02 | 80 |
| 933 | 0.50 | 0.07 | 0.12 | 72 |
| 934 | 0.64 | 0.29 | 0.40 | 79 |
| 935 | 0.52 | 0.15 | 0.23 | 75 |
| 936 | 0.70 | 0.22 | 0.34 | 85 |
| 937 | 0.47 | 0.09 | 0.16 | 75 |
| 938 | 0.23 | 0.09 | 0.13 | 69 |
| | | | | |
| 939 | 0.00 | 0.00 | 0.00 | 85 |
| 940 | 0.11 | 0.01 | 0.02 | 72 |
| 941 | 0.00 | 0.00 | 0.00 | 69 |
| 942 | 0.44 | 0.09 | 0.14 | 94 |
| 943 | 0.00 | 0.00 | 0.00 | 85 |
| 944 | 0.94 | 0.36 | 0.52 | 89 |
| 945 | 0.19 | 0.04 | 0.06 | 77 |
| 946 | 0.78 | 0.15 | 0.25 | 93 |
| 947 | 0.00 | 0.00 | 0.00 | 81 |
| | | | | |
| 948 | 0.95 | 0.50 | 0.66 | 78 |
| 949 | 0.00 | 0.00 | 0.00 | 75 |
| 950 | 0.00 | 0.00 | 0.00 | 80 |
| 951 | 0.12 | 0.01 | 0.02 | 88 |
| 952 | 0.29 | 0.03 | 0.05 | 80 |
| 953 | 1.00 | 0.71 | 0.83 | 85 |
| 954 | 0.83 | 0.55 | 0.66 | 71 |
| 955 | 0.00 | 0.00 | 0.00 | 80 |
| 956 | 0.81 | 0.37 | 0.51 | 68 |
| 957 | 0.87 | 0.52 | | 75 |
| | | | 0.65 | |
| 958 | 0.43 | 0.13 | 0.20 | 90 |
| 959 | 0.81 | 0.15 | 0.25 | 87 |
| 960 | 0.89 | 0.38 | 0.53 | 87 |
| 961 | 0.74 | 0.29 | 0.42 | 68 |
| 962 | 0.65 | 0.26 | 0.37 | 86 |
| 963 | 0.57 | 0.19 | 0.28 | 85 |
| 964 | 0.43 | 0.15 | 0.23 | 78 |
| 965 | 0.76 | 0.44 | 0.56 | 88 |
| 966 | 0.93 | 0.46 | 0.61 | 85 |
| | | | | |
| 967 | 0.52 | 0.23 | 0.32 | 70 |
| 968 | 0.33 | 0.04 | 0.07 | 82 |
| 969 | 0.88 | 0.47 | 0.61 | 92 |
| 970 | 0.31 | 0.05 | 0.09 | 73 |
| 971 | 0.00 | 0.00 | 0.00 | 77 |
| 972 | 0.46 | 0.16 | 0.24 | 82 |
| 973 | 0.80 | 0.10 | 0.18 | 80 |
| 974 | 0.12 | 0.01 | 0.02 | 83 |
| 975 | 0.98 | 0.58 | 0.73 | 76 |
| 976 | 0.00 | 0.00 | 0.00 | 85 |
| | | | | |
| 977 | 0.00 | 0.00 | 0.00 | 65 |
| 978 | 0.57 | 0.11 | 0.19 | 72 |
| 979 | 0.33 | 0.02 | 0.04 | 85 |
| 980 | 0.23 | 0.05 | 0.08 | 64 |
| 981 | 0.25 | 0.03 | 0.05 | 76 |
| 982 | 0.58 | 0.07 | 0.13 | 96 |
| 983 | 0.94 | 0.31 | 0.46 | 94 |
| 984 | 0.29 | 0.02 | 0.04 | 87 |
| 985 | 0.33 | 0.01 | 0.03 | 75 |
| 986 | 0.00 | 0.00 | 0.00 | 79 |
| 987 | 0.00 | 0.00 | 0.00 | 86 |
| 988 | 0.50 | 0.01 | 0.02 | 88 |
| | | | | |
| 989 | 0.00 | 0.00 | 0.00 | 84 |
| 990 | 0.52 | 0.14 | 0.22 | 95 |
| 991 | 0.37 | 0.15 | 0.22 | 71 |
| 992 | 0.57 | 0.38 | 0.46 | 68 |
| 993 | 0.00 | 0.00 | 0.00 | 75 |
| 994 | 0.00 | 0.00 | 0.00 | 90 |
| 995 | 0.95 | 0.43 | 0.60 | 83 |
| 996 | 0.89 | 0.43 | 0.58 | 79 |
| 997 | 0.71 | 0.08 | 0.14 | 64 |
| 998 | 0.27 | 0.04 | 0.07 | 74 |
| 999 | 0.81 | 0.36 | 0.50 | 81 |
| | | | | 74 |
| 1000 | 0.00 | 0.00 | 0.00 | |
| 1001 | 0.14 | 0.02 | 0.03 | 62 |
| 1002 | 0.67 | 0.25 | 0.37 | 71 |
| 1003 | 0.00 | 0.00 | 0.00 | 72 |
| 1004 | 0.50 | 0.08 | 0.14 | 75 |
| 1005 | 0.93 | 0.53 | 0.67 | 72 |
| 1006 | 0.52 | 0.15 | 0.23 | 81 |
| 1007 | 0.00 | 0.00 | 0.00 | 74 |
| | | | | |

| 1000 | 0 17 | 0 01 | 0 00 | 70 |
|------|------|------|------|----|
| 1008 | 0.17 | 0.01 | 0.03 | 72 |
| 1009 | 0.00 | 0.00 | 0.00 | 75 |
| 1010 | 0.47 | 0.16 | 0.24 | 91 |
| 1011 | 0.59 | 0.18 | 0.27 | 90 |
| 1012 | 0.62 | 0.25 | 0.36 | 80 |
| 1013 | 0.00 | 0.00 | 0.00 | 88 |
| 1014 | 0.80 | 0.06 | 0.11 | 71 |
| | | | | |
| 1015 | 0.57 | 0.11 | 0.18 | 74 |
| 1016 | 0.88 | 0.22 | 0.35 | 68 |
| 1017 | 0.70 | 0.39 | 0.50 | 71 |
| 1018 | 0.65 | 0.21 | 0.32 | 80 |
| 1019 | 0.00 | 0.00 | 0.00 | 83 |
| 1020 | 0.46 | 0.08 | 0.14 | 74 |
| 1021 | 0.93 | 0.49 | 0.64 | 78 |
| | | 0.32 | 0.47 | 77 |
| 1022 | 0.86 | | | |
| 1023 | 0.12 | 0.01 | 0.02 | 78 |
| 1024 | 0.68 | 0.31 | 0.43 | 67 |
| 1025 | 0.50 | 0.01 | 0.02 | 80 |
| 1026 | 0.69 | 0.23 | 0.35 | 77 |
| 1027 | 0.80 | 0.32 | 0.46 | 88 |
| 1028 | 0.24 | 0.06 | 0.09 | 70 |
| 1029 | 0.00 | 0.00 | 0.00 | 79 |
| 1030 | 0.33 | 0.07 | 0.12 | 67 |
| | | | | |
| 1031 | 0.88 | 0.47 | 0.61 | 75 |
| 1032 | 0.56 | 0.28 | 0.38 | 64 |
| 1033 | 0.88 | 0.21 | 0.34 | 70 |
| 1034 | 0.17 | 0.06 | 0.09 | 69 |
| 1035 | 0.44 | 0.10 | 0.16 | 72 |
| 1036 | 0.30 | 0.04 | 0.07 | 79 |
| 1037 | 0.24 | 0.05 | 0.08 | 84 |
| 1038 | 0.00 | 0.00 | 0.00 | 87 |
| | | | | |
| 1039 | 0.68 | 0.35 | 0.46 | 65 |
| 1040 | 0.72 | 0.36 | 0.48 | 73 |
| 1041 | 0.00 | 0.00 | 0.00 | 77 |
| 1042 | 0.27 | 0.05 | 0.09 | 77 |
| 1043 | 0.16 | 0.07 | 0.09 | 60 |
| 1044 | 0.00 | 0.00 | 0.00 | 73 |
| 1045 | 0.00 | 0.00 | 0.00 | 67 |
| 1046 | 0.43 | 0.04 | 0.07 | 83 |
| | | | | |
| 1047 | 1.00 | 0.40 | 0.57 | 70 |
| 1048 | 1.00 | 0.02 | 0.03 | 65 |
| 1049 | 0.62 | 0.14 | 0.22 | 74 |
| 1050 | 0.50 | 0.02 | 0.03 | 62 |
| 1051 | 0.58 | 0.16 | 0.25 | 70 |
| 1052 | 0.00 | 0.00 | 0.00 | 69 |
| 1053 | 0.25 | 0.08 | 0.12 | 72 |
| 1054 | 0.44 | 0.15 | 0.23 | 72 |
| | | | | |
| 1055 | 0.90 | 0.52 | 0.66 | 73 |
| 1056 | 0.74 | 0.34 | 0.46 | 92 |
| 1057 | 0.67 | 0.05 | 0.10 | 73 |
| 1058 | 0.31 | 0.12 | 0.17 | 68 |
| 1059 | 0.00 | 0.00 | 0.00 | 71 |
| 1060 | 0.33 | 0.10 | 0.16 | 69 |
| 1061 | 0.85 | 0.24 | 0.37 | 72 |
| 1062 | 0.44 | 0.29 | 0.35 | 66 |
| | | | | |
| 1063 | 0.14 | 0.01 | 0.02 | 84 |
| 1064 | 0.00 | 0.00 | 0.00 | 78 |
| 1065 | 0.81 | 0.45 | 0.58 | 66 |
| 1066 | 0.21 | 0.04 | 0.07 | 69 |
| 1067 | 0.11 | 0.01 | 0.02 | 80 |
| 1068 | 1.00 | 0.01 | 0.03 | 71 |
| 1069 | 0.52 | 0.18 | 0.27 | 60 |
| 1070 | 0.20 | 0.01 | 0.02 | 77 |
| 1071 | 0.88 | 0.29 | 0.43 | 80 |
| 1071 | 0.25 | 0.06 | 0.10 | 80 |
| | | | | |
| 1073 | 0.00 | 0.00 | 0.00 | 74 |
| 1074 | 0.21 | 0.04 | 0.07 | 69 |
| 1075 | 0.44 | 0.07 | 0.12 | 56 |
| 1076 | 0.32 | 0.13 | 0.18 | 63 |
| 1077 | 0.58 | 0.19 | 0.29 | 58 |
| 1078 | 0.00 | 0.00 | 0.00 | 63 |
| 1079 | 0.83 | 0.24 | 0.37 | 85 |
| 1080 | 0.52 | 0.15 | 0.24 | 78 |
| | | | | |
| 1081 | 0.00 | 0.00 | 0.00 | 84 |
| 1082 | 0.74 | 0.42 | 0.54 | 73 |
| 1083 | 0.09 | 0.02 | 0.03 | 55 |
| 1084 | 0.51 | 0.26 | 0.34 | 70 |
| | | | | |

| 1085 | 0.69 | 0.26 | 0.38 | 85 |
|------|------|--------------|------|----|
| 1086 | 0.00 | 0.00 | 0.00 | 68 |
| 1087 | 0.40 | 0.02 | 0.05 | 82 |
| | | 0.00 | | 67 |
| 1088 | 0.00 | | 0.00 | |
| 1089 | 0.81 | 0.44 | 0.57 | 78 |
| 1090 | 0.70 | 0.11 | 0.19 | 64 |
| 1091 | 0.35 | 0.09 | 0.15 | 75 |
| | | | | |
| 1092 | 0.38 | 0.16 | 0.23 | 61 |
| 1093 | 0.65 | 0.17 | 0.28 | 63 |
| 1094 | 0.00 | 0.00 | 0.00 | 77 |
| 1095 | 0.36 | 0.13 | 0.19 | 70 |
| | | | | |
| 1096 | 0.86 | 0.34 | 0.48 | 71 |
| 1097 | 0.44 | 0.12 | 0.18 | 69 |
| 1098 | 0.58 | 0.22 | 0.32 | 63 |
| 1099 | 0.80 | 0.49 | 0.61 | 67 |
| | 0.57 | 0.06 | 0.11 | 68 |
| 1100 | | | | |
| 1101 | 0.00 | 0.00 | 0.00 | 57 |
| 1102 | 0.90 | 0.54 | 0.67 | 69 |
| 1103 | 0.14 | 0.01 | 0.03 | 70 |
| 1104 | 0.40 | 0.05 | 0.09 | 75 |
| | | | | |
| 1105 | 0.21 | 0.05 | 0.08 | 62 |
| 1106 | 0.25 | 0.01 | 0.03 | 72 |
| 1107 | 0.00 | 0.00 | 0.00 | 76 |
| 1108 | 0.00 | 0.00 | 0.00 | 72 |
| | | | | |
| 1109 | 0.00 | 0.00 | 0.00 | 86 |
| 1110 | 0.85 | 0.43 | 0.57 | 82 |
| 1111 | 0.00 | 0.00 | 0.00 | 70 |
| 1112 | 0.50 | 0.01 | 0.03 | 72 |
| | | | | |
| 1113 | 0.65 | 0.24 | 0.35 | 70 |
| 1114 | 0.20 | 0.02 | 0.03 | 57 |
| 1115 | 0.25 | 0.04 | 0.07 | 68 |
| 1116 | 0.00 | 0.00 | 0.00 | 64 |
| 1117 | 0.29 | | | 66 |
| | | 0.03 | 0.05 | |
| 1118 | 0.50 | 0.11 | 0.18 | 81 |
| 1119 | 0.68 | 0.24 | 0.35 | 63 |
| 1120 | 0.15 | 0.06 | 0.09 | 62 |
| 1121 | 0.00 | 0.00 | 0.00 | 79 |
| | | | | |
| 1122 | 0.80 | 0.21 | 0.34 | 56 |
| 1123 | 0.24 | 0.06 | 0.09 | 71 |
| 1124 | 0.00 | 0.00 | 0.00 | 78 |
| 1125 | 0.80 | 0.06 | 0.11 | 66 |
| | | | | |
| 1126 | 0.00 | 0.00 | 0.00 | 62 |
| 1127 | 0.75 | 0.18 | 0.29 | 66 |
| 1128 | 0.00 | 0.00 | 0.00 | 70 |
| 1129 | 0.94 | 0.46 | 0.62 | 65 |
| | | | | |
| 1130 | 0.85 | 0.37 | 0.51 | 63 |
| 1131 | 0.89 | 0.52 | 0.66 | 79 |
| 1132 | 0.38 | 0.07 | 0.12 | 67 |
| 1133 | 0.00 | 0.00 | 0.00 | 64 |
| 1134 | 0.20 | 0.03 | 0.05 | 67 |
| | | | | |
| 1135 | 0.73 | 0.21 | 0.32 | 78 |
| 1136 | 0.44 | 0.07 | 0.13 | 54 |
| 1137 | 0.00 | 0.00 | 0.00 | 64 |
| 1138 | 0.39 | 0.09 | 0.15 | 76 |
| 1139 | 0.00 | 0.00 | 0.00 | 64 |
| | | | | |
| 1140 | 0.00 | 0.00 | 0.00 | 67 |
| 1141 | 0.06 | 0.01 | 0.02 | 70 |
| 1142 | 0.44 | 0.06 | 0.11 | 66 |
| 1143 | 0.74 | 0.40 | 0.52 | 62 |
| | | | | |
| 1144 | 0.00 | 0.00 | 0.00 | 67 |
| 1145 | 0.43 | 0.06 | 0.11 | 47 |
| 1146 | 0.35 | 0.09 | 0.14 | 69 |
| 1147 | 0.71 | 0.40 | 0.51 | 63 |
| 1148 | 0.37 | 0.10 | 0.16 | 70 |
| | | | | |
| 1149 | 0.41 | 0.13 | 0.19 | 55 |
| 1150 | 0.57 | 0.33 | 0.42 | 49 |
| 1151 | 0.57 | 0.07 | 0.12 | 58 |
| 1152 | 0.00 | 0.00 | 0.00 | 65 |
| | | | | |
| 1153 | 0.00 | 0.00 | 0.00 | 67 |
| 1154 | 0.00 | 0.00 | 0.00 | 66 |
| 1155 | 0.94 | 0.52 | 0.67 | 62 |
| 1156 | 0.62 | 0.07 | 0.12 | 72 |
| 1157 | 0.90 | 0.42 | 0.57 | 62 |
| | | | | |
| 1158 | 0.00 | 0.00 | 0.00 | 60 |
| 1159 | 0.43 | 0.16 | 0.23 | 64 |
| 1160 | 0.30 | 0.05 | 0.09 | 59 |
| 1161 | 0.10 | 0.02 | 0.03 | 55 |
| - | | - | | |

| 1162 | 0.51 | 0.29 | 0.37 | 63 |
|------|------|------|------|----------|
| | | | | |
| 1163 | 0.77 | 0.36 | 0.49 | 64 |
| 1164 | 0.00 | 0.00 | 0.00 | 54 |
| 1165 | 0.32 | 0.10 | 0.15 | 62 |
| 1166 | 0.00 | 0.00 | 0.00 | 73 |
| 1167 | 0.46 | 0.21 | 0.29 | 56 |
| 1168 | 0.33 | 0.03 | 0.06 | 60 |
| 1169 | 0.35 | 0.11 | 0.17 | 63 |
| 1170 | 0.80 | 0.05 | 0.10 | 73 |
| 1171 | 0.60 | 0.31 | 0.41 | 58 |
| 1172 | 0.29 | 0.03 | 0.06 | 59 |
| 1173 | 0.23 | 0.04 | 0.07 | 68 |
| 1174 | 0.45 | 0.14 | 0.22 | 63 |
| 1175 | 0.98 | 0.60 | 0.74 | 70 |
| 1176 | 0.87 | 0.42 | 0.57 | 62 |
| 1177 | 0.00 | 0.00 | 0.00 | 62 |
| 1178 | 0.00 | 0.00 | 0.00 | 45 |
| 1179 | 0.97 | 0.37 | 0.53 | 79 |
| 1180 | 0.70 | 0.12 | 0.21 | 58 |
| 1181 | 0.88 | 0.30 | 0.44 | 71 |
| 1182 | 0.12 | 0.02 | 0.03 | 56 |
| 1183 | 0.00 | 0.00 | 0.00 | 63 |
| 1184 | 0.00 | 0.00 | 0.00 | 72 |
| 1185 | 0.33 | 0.04 | 0.06 | 56 |
| 1186 | 0.82 | 0.19 | 0.30 | 75 |
| 1187 | 0.17 | 0.02 | 0.03 | 57 |
| 1188 | 0.45 | 0.08 | 0.14 | 60 |
| | 0.25 | | | |
| 1189 | | 0.02 | 0.03 | 65 60 |
| 1190 | 0.50 | 0.01 | 0.03 | 68 |
| 1191 | 0.59 | 0.16 | 0.25 | 62 |
| 1192 | 0.00 | 0.00 | 0.00 | 68 |
| 1193 | 0.00 | 0.00 | 0.00 | 66 |
| 1194 | 0.40 | 0.04 | 0.06 | 57 |
| 1195 | 0.11 | 0.01 | 0.03 | 67 |
| 1196 | 0.88 | 0.10 | 0.18 | 69 |
| 1197 | 0.36 | 0.06 | 0.10 | 66 |
| 1198 | 0.40 | 0.03 | 0.06 | 62 |
| 1199 | 0.33 | 0.08 | 0.14 | 59 |
| 1200 | 0.92 | 0.21 | 0.34 | 57 |
| 1201 | 1.00 | 0.31 | 0.47 | 62 |
| 1202 | 0.87 | 0.47 | 0.61 | 58 |
| 1203 | 0.00 | 0.00 | 0.00 | 67 |
| 1204 | 0.63 | 0.35 | 0.45 | 74 |
| 1205 | 0.50 | 0.02 | 0.04 | 55 |
| 1206 | 0.55 | 0.09 | 0.16 | 65 |
| 1207 | 0.47 | 0.11 | 0.17 | 75 |
| 1208 | 0.63 | 0.20 | 0.30 | 61 |
| 1209 | 0.69 | 0.39 | 0.49 | 62 |
| 1210 | 0.14 | 0.02 | 0.03 | 59 |
| 1211 | 0.50 | 0.19 | 0.28 | 47 |
| 1212 | 0.00 | 0.00 | 0.00 | 59 |
| 1213 | 0.95 | 0.36 | 0.52 | 59 |
| 1214 | 1.00 | 0.03 | 0.05 | 74 |
| 1215 | 0.25 | 0.02 | 0.03 | 65 |
| 1216 | 0.00 | 0.00 | 0.00 | 60 |
| 1217 | 0.53 | 0.19 | 0.27 | 54 |
| 1218 | 0.00 | 0.00 | 0.00 | 62 |
| 1219 | 0.93 | 0.68 | 0.79 | 78 |
| 1220 | 0.85 | 0.57 | 0.68 | 72 |
| | | | | |
| 1221 | 0.75 | 0.35 | 0.48 | 60 |
| 1222 | 0.43 | 0.14 | 0.21 | 63 |
| 1223 | 0.00 | 0.00 | 0.00 | 66 |
| 1224 | 0.56 | 0.14 | 0.23 | 69 |
| 1225 | 0.00 | 0.00 | 0.00 | 69 60 |
| 1226 | 0.80 | 0.18 | 0.29 | 68 |
| 1227 | 0.53 | 0.17 | 0.26 | 58 |
| 1228 | 0.00 | 0.00 | 0.00 | 51 |
| 1229 | 0.00 | 0.00 | 0.00 | 59 |
| 1230 | 0.00 | 0.00 | 0.00 | 75 |
| 1231 | 0.50 | 0.11 | 0.18 | 64 |
| 1232 | 0.00 | 0.00 | 0.00 | 66 |
| 1233 | 0.29 | 0.03 | 0.06 | 58 |
| 1234 | 0.00 | 0.00 | 0.00 | 63 |
| 1235 | 0.06 | 0.02 | 0.03 | 62 |
| 1236 | 0.00 | 0.00 | 0.00 | 57 |
| 1237 | 1.00 | 0.01 | 0.03 | 77 |
| 1238 | 0.81 | 0.40 | 0.54 | 52 |
| | | | | |

| 1239 1240 | 0.86 | 0.30 | 0.45 | 63 48 |
|------------------------------|------------------------------|------------------------------|------------------------------|----------------|
| 1241 | 0.00 | 0.00 | 0.00 | 71 |
| 1242 | 0.79 | 0.18 | 0.29 | 62 |
| 1243 | 0.43 | 0.10 | 0.16 | 61 |
| 1244 | 0.00 | 0.00 | 0.00 | 53 |
| 1245 | 0.09 | 0.01 | 0.02 | 75 |
| 1246 | 0.38 | 0.05 | 0.10 | 55 |
| 1247 | 0.50 | 0.02 | 0.04 | 55 |
| 1248 | 0.00 | 0.00 | 0.00 | 49 |
| 1249 | 0.33 | 0.05 | 0.09 | 74 |
| 1250 | 0.97 | 0.47 | 0.64 | 59 |
| 1251 | 0.38 | 0.14 | 0.21 | 56 |
| 1252 | 0.33 | 0.10 | 0.15 | 63 |
| 1253 | 0.59 | 0.21 | 0.31 | 48 |
| 1254 | 0.95 | 0.60 | 0.73 | 62 |
| 1255 | 0.00 | 0.00 | 0.00 | 69 |
| 1256 | 0.30 | 0.05 | 0.08 | 65 |
| 1257 | 0.00 | 0.00 | 0.00 | 62 |
| 1258 | 0.39 | 0.14 | 0.20 | 51 |
| 1259 | 0.62 | 0.12 | 0.21 | 64 |
| 1260 | 0.00 | 0.00 | 0.00 | 64 |
| 1261 | 0.00 | 0.00 | 0.00 | 63 |
| 1262 | 0.93 | 0.22 | 0.36 | 58 |
| 1263 | 0.36 | 0.07 | 0.12 | 54 |
| 1264 | 0.00 | 0.00 | 0.00 | 62 |
| 1265 | 0.00 | 0.00 | 0.00 | 59 |
| 1266 | 0.90 | 0.46 | 0.60 | 57 |
| 1267 | 0.14 | 0.02 | 0.03 | 51 |
| 1268 | 0.25 | 0.04 | 0.07 | 46 |
| 1269 | 0.97 | 0.53 | 0.68 | 55 |
| 1270 | 0.88 | 0.10 | 0.18 | 69 |
| 1271 | 0.60 | 0.14 | 0.22 | 65 |
| 1272 | 0.38 | 0.08 | 0.14 | 60 |
| 1273 | 0.35 | 0.10 | 0.16 | 59 |
| 1274 | 0.25 | 0.05 | 0.08 | 62 |
| 1275 | 0.00 | 0.00 | 0.00 | 52 |
| 1276 | 0.40 | 0.07 | 0.12 | 57 |
| 1277 | 0.29 | 0.03 | 0.06 | 61 |
| 1278 | 0.70 | 0.11 | 0.19 | 62 |
| 1279 | 0.93 | 0.57 | 0.71 | 47 |
| 1280 | 0.25 | 0.03 | 0.06 | 63 |
| 1281 | 0.58 | 0.11 | 0.19 | 61 |
| 1282 | 0.60 | 0.18 | 0.28 | 50 |
| 1283 | 0.27 | 0.08 | 0.12 | 52 |
| 1284 | 0.68 | 0.23 | 0.35 | 56 |
| 1285 | 0.67 | 0.04 | 0.07 | 57 |
| 1286 | 0.71 | 0.10 | 0.18 | 49 |
| 1287 | 0.57 | 0.14 | 0.23 | 56 |
| 1288 | 0.57 | 0.27 | 0.36 | 49 |
| 1289 | 0.00 | 0.00 | 0.00 | 55 |
| 1290 | 0.00 | 0.00 | 0.00 | 68 |
| 1291 | 0.90 | 0.50 | 0.64 | 52 |
| 1292 | 0.29 | 0.03 | 0.05 | 73 |
| 1293 | 0.88 | 0.43 | 0.58 | 67 |
| 1294 | 0.00 | 0.00 | 0.00 | 54 |
| 1295 | 0.25 | 0.06 | 0.10 | 34 |
| 1296 | 1.00 | 0.34 | 0.51 | 56 |
| 1297 | 0.00 | 0.00 | 0.00 | 66 |
| 1298 | 1.00 | 0.03 | 0.06 | 68 |
| 1299 | 0.57 | 0.06 | 0.11 | 64 |
| 1300 1301 | 0.91 0.00 | 0.50 0.00 | 0.65 0.00 | 64 48 63 |
| 1302 1303 1304 1305 | 0.00 0.00 0.50 0.23 | 0.00 0.00 0.02 0.10 | 0.00 0.00 0.04 0.14 | 62 54 51 |
| 1305 1306 1307 1308 | 0.23 0.22 0.00 0.61 | 0.07 0.00 0.31 | 0.14 0.11 0.00 0.41 | 55 53 54 |
| 1309 1310 | 0.67 0.00 0.25 | 0.16 0.00 0.02 | 0.26 0.00 0.03 | 61 42 55 |
| 1311 | 0.25 | 0.02 | 0.03 | 55 |
| 1312 | 0.00 | 0.00 | 0.00 | 64 |
| 1313 | 0.00 | 0.00 | 0.00 | 58 |
| 1314 | 0.90 | 0.36 | 0.51 | 50 |
| 1314 | 0.90 | 0.00 | 0.00 | 57 |

| 1016 | 0 50 | 0.00 | 0 00 | 4.6 |
|------|------|------|------|-----|
| 1316 | 0.59 | 0.22 | 0.32 | 46 |
| 1317 | 1.00 | 0.05 | 0.09 | 42 |
| 1318 | 0.50 | 0.22 | 0.30 | 74 |
| 1319 | 0.00 | 0.00 | 0.00 | 55 |
| 1320 | 0.00 | 0.00 | 0.00 | 59 |
| 1321 | 1.00 | 0.02 | 0.04 | 56 |
| 1322 | 0.00 | 0.00 | 0.00 | 61 |
| 1323 | 0.00 | 0.00 | 0.00 | 43 |
| 1324 | 0.47 | 0.18 | 0.26 | 45 |
| 1325 | 0.62 | 0.09 | 0.16 | 56 |
| 1326 | 0.72 | 0.35 | 0.47 | 52 |
| 1327 | 0.52 | 0.20 | 0.29 | 56 |
| 1328 | 0.00 | 0.00 | 0.00 | 56 |
| 1329 | 0.56 | 0.10 | 0.17 | 51 |
| 1330 | 0.00 | 0.00 | 0.00 | 54 |
| 1331 | 0.50 | 0.12 | 0.19 | 51 |
| 1331 | 0.00 | 0.00 | | |
| | | | 0.00 | 48 |
| 1333 | 0.00 | 0.00 | 0.00 | 51 |
| 1334 | 0.00 | 0.00 | 0.00 | 38 |
| 1335 | 0.91 | 0.42 | 0.58 | 50 |
| 1336 | 0.00 | 0.00 | 0.00 | 48 |
| 1337 | 0.38 | 0.10 | 0.15 | 52 |
| 1338 | 0.58 | 0.21 | 0.31 | 52 |
| 1339 | 0.25 | 0.04 | 0.06 | 56 |
| 1340 | 0.50 | 0.04 | 0.07 | 52 |
| 1341 | 1.00 | 0.02 | 0.03 | 58 |
| 1342 | 0.00 | 0.00 | 0.00 | 56 |
| 1343 | 0.33 | 0.03 | 0.06 | 62 |
| 1344 | 0.93 | 0.32 | 0.47 | 44 |
| 1345 | 0.38 | 0.06 | 0.10 | 53 |
| 1346 | 0.20 | 0.02 | 0.03 | 53 |
| 1347 | 0.00 | 0.00 | 0.00 | 52 |
| 1348 | 0.50 | 0.10 | 0.17 | 58 |
| 1349 | 0.64 | 0.36 | 0.46 | 50 |
| 1350 | 0.00 | 0.00 | 0.00 | 62 |
| 1351 | 0.96 | 0.39 | 0.55 | 59 |
| 1352 | 0.00 | 0.00 | 0.00 | 57 |
| 1353 | 0.63 | 0.24 | 0.35 | 50 |
| 1354 | | 0.11 | | 55 |
| | 0.67 | | 0.19 | |
| 1355 | 0.00 | 0.00 | 0.00 | 55 |
| 1356 | 0.17 | 0.02 | 0.03 | 56 |
| 1357 | 0.16 | 0.08 | 0.11 | 38 |
| 1358 | 0.20 | 0.04 | 0.06 | 53 |
| 1359 | 1.00 | 0.23 | 0.37 | 44 |
| 1360 | 1.00 | 0.23 | 0.38 | 56 |
| 1361 | 0.25 | 0.04 | 0.06 | 56 |
| 1362 | 1.00 | 0.33 | 0.49 | 46 |
| 1363 | 0.73 | 0.22 | 0.34 | 49 |
| 1364 | 0.00 | 0.00 | 0.00 | 66 |
| 1365 | 0.33 | 0.05 | 0.09 | 60 |
| 1366 | 0.86 | 0.11 | 0.19 | 56 |
| 1367 | 0.00 | 0.00 | 0.00 | 63 |
| 1368 | 0.53 | 0.15 | 0.23 | 67 |
| 1369 | 1.00 | 0.44 | 0.61 | 59 |
| 1370 | 0.94 | 0.33 | 0.48 | 49 |
| 1371 | 0.76 | 0.25 | 0.38 | 51 |
| 1372 | 0.20 | 0.02 | 0.04 | 50 |
| 1373 | 0.93 | 0.40 | 0.56 | 63 |
| 1374 | 0.20 | 0.02 | 0.03 | 55 |
| 1375 | 0.00 | 0.00 | 0.00 | 60 |
| 1376 | 0.52 | 0.18 | 0.27 | 60 |
| 1377 | 0.00 | 0.00 | 0.00 | 42 |
| 1378 | 0.94 | 0.30 | 0.45 | 54 |
| 1379 | 0.00 | 0.00 | 0.00 | 50 |
| 1380 | 0.00 | 0.00 | 0.00 | 45 |
| 1381 | 0.60 | 0.06 | 0.00 | 47 |
| | | | | 54 |
| 1382 | 0.11 | 0.02 | 0.03 | |
| 1383 | 0.33 | 0.04 | 0.08 | 45 |
| 1384 | 0.00 | 0.00 | 0.00 | 52 |
| 1385 | 0.73 | 0.23 | 0.35 | 48 |
| 1386 | 0.60 | 0.06 | 0.11 | 50 |
| 1387 | 0.17 | 0.02 | 0.04 | 47 |
| 1388 | 0.75 | 0.16 | 0.26 | 57 |
| 1389 | 0.00 | 0.00 | 0.00 | 49 |
| 1390 | 0.55 | 0.27 | 0.36 | 44 |
| 1391 | 0.00 | 0.00 | 0.00 | 58 |
| 1392 | 0.77 | 0.19 | 0.30 | 54 |
| | | | | |

| | | 2 * . 2 | | |
|------|------|---------|------|----|
| 1393 | 0.38 | 0.12 | 0.18 | 51 |
| 1394 | 0.50 | 0.02 | 0.04 | 51 |
| 1395 | 0.83 | 0.21 | 0.33 | 48 |
| 1396 | 0.67 | 0.13 | 0.22 | 61 |
| 1397 | 1.00 | 0.02 | 0.03 | 61 |
| 1398 | 0.62 | 0.15 | 0.24 | 55 |
| 1399 | 0.74 | 0.25 | 0.37 | 57 |
| | | | | |
| 1400 | 0.50 | 0.06 | 0.11 | 49 |
| 1401 | 0.50 | 0.04 | 0.07 | 56 |
| 1402 | 0.54 | 0.13 | 0.22 | 52 |
| 1403 | 0.75 | 0.12 | 0.21 | 49 |
| 1404 | 0.92 | 0.80 | 0.86 | 41 |
| 1405 | 0.75 | 0.32 | 0.44 | 57 |
| 1406 | 0.33 | 0.02 | 0.04 | 54 |
| 1407 | 0.70 | 0.55 | 0.62 | 47 |
| 1408 | 0.38 | 0.07 | 0.12 | 41 |
| 1409 | 1.00 | 0.39 | 0.56 | 49 |
| 1410 | 1.00 | 0.44 | 0.61 | 48 |
| 1411 | 0.17 | 0.02 | 0.03 | 55 |
| 1412 | 0.73 | 0.13 | 0.23 | 60 |
| | | | | |
| 1413 | 1.00 | 0.01 | 0.03 | 67 |
| 1414 | 0.00 | 0.00 | 0.00 | 50 |
| 1415 | 0.00 | 0.00 | 0.00 | 53 |
| 1416 | 0.40 | 0.10 | 0.16 | 59 |
| 1417 | 0.53 | 0.14 | 0.22 | 66 |
| 1418 | 0.67 | 0.04 | 0.08 | 50 |
| 1419 | 0.80 | 0.11 | 0.20 | 36 |
| 1420 | 0.30 | 0.06 | 0.11 | 47 |
| 1421 | 0.00 | 0.00 | 0.00 | 46 |
| 1422 | 0.38 | 0.10 | 0.16 | 51 |
| 1423 | 0.82 | 0.18 | 0.30 | 49 |
| 1424 | 0.50 | 0.07 | 0.12 | 56 |
| 1425 | 0.00 | 0.00 | 0.00 | 51 |
| 1426 | 0.67 | 0.04 | 0.07 | 53 |
| 1427 | 0.30 | 0.06 | 0.11 | 47 |
| | 0.00 | | | 39 |
| 1428 | | 0.00 | 0.00 | |
| 1429 | 0.97 | 0.56 | 0.71 | 50 |
| 1430 | 0.86 | 0.20 | 0.33 | 59 |
| 1431 | 0.00 | 0.00 | 0.00 | 67 |
| 1432 | 0.00 | 0.00 | 0.00 | 53 |
| 1433 | 0.38 | 0.08 | 0.14 | 72 |
| 1434 | 0.62 | 0.10 | 0.17 | 51 |
| 1435 | 0.54 | 0.12 | 0.20 | 56 |
| 1436 | 0.67 | 0.11 | 0.18 | 56 |
| 1437 | 0.57 | 0.16 | 0.25 | 51 |
| 1438 | 0.00 | 0.00 | 0.00 | 46 |
| 1439 | 0.67 | 0.04 | 0.07 | 52 |
| 1440 | 0.00 | 0.00 | 0.00 | 41 |
| 1441 | 1.00 | 0.04 | 0.08 | 47 |
| 1442 | 1.00 | 0.02 | 0.04 | 45 |
| 1443 | 0.10 | 0.02 | 0.03 | 54 |
| 1444 | 0.15 | 0.04 | 0.06 | 52 |
| 1445 | 0.00 | 0.00 | 0.00 | 52 |
| 1446 | 0.61 | 0.25 | 0.35 | 44 |
| 1447 | 1.00 | 0.17 | 0.29 | 47 |
| 1448 | 0.00 | 0.00 | 0.00 | 48 |
| 1449 | 0.33 | 0.02 | 0.03 | 56 |
| 1450 | 0.00 | 0.00 | 0.00 | 54 |
| | | | | 65 |
| 1451 | 0.12 | 0.02 | 0.03 | |
| 1452 | 0.50 | 0.07 | 0.13 | 55 |
| 1453 | 0.29 | 0.07 | 0.11 | 61 |
| 1454 | 0.00 | 0.00 | 0.00 | 62 |
| 1455 | 0.65 | 0.22 | 0.33 | 49 |
| 1456 | 0.20 | 0.02 | 0.03 | 53 |
| 1457 | 0.62 | 0.31 | 0.41 | 42 |
| 1458 | 0.75 | 0.05 | 0.10 | 59 |
| 1459 | 0.00 | 0.00 | 0.00 | 49 |
| 1460 | 0.71 | 0.10 | 0.18 | 50 |
| 1461 | 0.00 | 0.00 | 0.00 | 45 |
| 1462 | 0.42 | 0.11 | 0.17 | 47 |
| 1463 | 0.71 | 0.33 | 0.45 | 45 |
| 1464 | 1.00 | 0.04 | 0.08 | 50 |
| 1465 | 0.33 | 0.05 | 0.08 | 62 |
| 1466 | 0.00 | 0.00 | 0.00 | 51 |
| 1467 | 0.33 | 0.02 | 0.03 | 62 |
| 1468 | 0.93 | 0.48 | 0.63 | 54 |
| 1469 | 0.50 | 0.11 | 0.17 | 38 |
| | | | | |

| | · • · · | · | · · · | ~ ~ |
|------|---------|--------------|-------|-----|
| 1470 | 0.81 | 0.26 | 0.40 | 65 |
| 1471 | 1.00 | 0.29 | 0.45 | 52 |
| 1472 | 0.50 | 0.09 | 0.15 | 44 |
| 1473 | 0.17 | 0.04 | 0.06 | 50 |
| 1474 | 0.00 | 0.00 | 0.00 | 56 |
| 1475 | 0.00 | 0.00 | 0.00 | 58 |
| 1476 | 0.12 | 0.02 | 0.03 | 58 |
| 1477 | 0.00 | 0.00 | 0.00 | 39 |
| 1478 | 0.96 | 0.48 | 0.64 | 50 |
| 1479 | 0.00 | 0.00 | 0.00 | 49 |
| 1480 | 0.00 | 0.00 | 0.00 | 41 |
| 1481 | 0.83 | 0.33 | 0.47 | 57 |
| 1482 | 0.00 | 0.00 | 0.00 | 49 |
| 1483 | 0.00 | 0.00 | 0.00 | 49 |
| 1484 | 1.00 | 0.10 | 0.18 | 59 |
| 1485 | 0.93 | 0.28 | 0.43 | 47 |
| 1486 | 0.50 | 0.02 | 0.04 | 53 |
| 1487 | 0.00 | 0.00 | 0.00 | 42 |
| 1488 | 0.00 | 0.00 | 0.00 | 47 |
| 1489 | 0.33 | 0.02 | 0.04 | 52 |
| 1490 | 0.72 | 0.30 | 0.42 | 44 |
| 1491 | 0.00 | 0.00 | 0.00 | 47 |
| 1492 | 0.81 | 0.25 | 0.39 | 51 |
| 1493 | 0.00 | 0.00 | 0.00 | 39 |
| 1494 | 0.00 | 0.00 | 0.00 | 38 |
| 1495 | 0.40 | 0.12 | 0.19 | 49 |
| 1496 | 0.40 | 0.16 | 0.26 | 49 |
| 1497 | 0.00 | 0.00 | 0.00 | 51 |
| | 1.00 | 0.00 | 0.07 | 52 |
| 1498 | 0.50 | | | |
| 1499 | | 0.06 0.00 | 0.11 | 48 |
| 1500 | 0.00 | | 0.00 | 51 |
| 1501 | 0.25 | 0.02 | 0.03 | 56 |
| 1502 | 0.00 | 0.00 | 0.00 | 48 |
| 1503 | 0.82 | 0.48 | 0.61 | 58 |
| 1504 | 0.50 | 0.02 | 0.04 | 44 |
| 1505 | 0.00 | 0.00 | 0.00 | 45 |
| 1506 | 0.20 | 0.02 | 0.04 | 44 |
| 1507 | 0.00 | 0.00 | 0.00 | 55 |
| 1508 | 0.33 | 0.04 | 0.08 | 45 |
| 1509 | 0.62 | 0.17 | 0.27 | 46 |
| 1510 | 0.00 | 0.00 | 0.00 | 46 |
| 1511 | 0.00 | 0.00 | 0.00 | 43 |
| 1512 | 0.89 | 0.19 | 0.31 | 42 |
| 1513 | 0.00 | 0.00 | 0.00 | 44 |
| 1514 | 0.58 | 0.33 | 0.42 | 45 |
| 1515 | 1.00 | 0.48 | 0.65 | 42 |
| 1516 | 1.00 | 0.36 | 0.53 | 42 |
| 1517 | 0.22 | 0.10 | 0.14 | 49 |
| 1518 | 1.00 | 0.18 | 0.30 | 51 |
| 1519 | 0.50 | 0.02 | 0.04 | 47 |
| 1520 | 0.00 | 0.00 | 0.00 | 48 |
| 1521 | 0.00 | 0.00 | 0.00 | 54 |
| 1522 | 0.22 | 0.05 | 0.09 | 38 |
| 1523 | 0.00 | 0.00 | 0.00 | 44 |
| 1524 | 0.67 | 0.04 | 0.07 | 55 |
| 1525 | 0.00 | 0.00 | 0.00 | 47 |
| 1526 | 0.00 | 0.00 | 0.00 | 55 |
| 1527 | 0.00 | 0.00 | 0.00 | 48 |
| 1528 | 0.67 | 0.04 | 0.07 | 54 |
| 1529 | 0.67 | 0.06 | 0.12 | 63 |
| 1530 | 0.77 | 0.25 | 0.38 | 40 |
| 1531 | 0.00 | 0.00 | 0.00 | 40 |
| 1532 | 0.22 | 0.04 | 0.07 | 48 |
| 1533 | 0.00 | 0.00 | 0.00 | 49 |
| 1534 | 0.00 | 0.00 | 0.00 | 45 |
| 1535 | 1.00 | 0.19 | 0.32 | 42 |
| 1536 | 1.00 | 0.06 | 0.11 | 54 |
| 1537 | 0.64 | 0.12 | 0.21 | 56 |
| 1538 | 0.50 | 0.03 | 0.05 | 38 |
| 1539 | 0.00 | 0.00 | 0.00 | 47 |
| 1540 | 0.44 | 0.10 | 0.16 | 40 |
| 1541 | 0.82 | 0.20 | 0.32 | 46 |
| 1542 | 1.00 | 0.15 | 0.26 | 46 |
| 1543 | 0.25 | 0.02 | 0.04 | 42 |
| 1544 | 0.70 | 0.33 | 0.45 | 48 |
| 1545 | 1.00 | 0.02 | 0.05 | 41 |
| 1546 | 0.00 | 0.00 | 0.00 | 3.5 |
| | | | | |

| 1010 | U • U U | U • U U | U • U U | J J |
|------|---------|---------|---------|-----|
| 1547 | 0.00 | 0.00 | 0.00 | 45 |
| | | | | |
| 1548 | 0.20 | 0.04 | 0.06 | 55 |
| 1549 | 0.88 | 0.30 | 0.44 | 47 |
| 1550 | 1.00 | 0.12 | 0.22 | 48 |
| | | | | |
| 1551 | 0.84 | 0.68 | 0.75 | 40 |
| 1552 | 0.67 | 0.04 | 0.07 | 51 |
| 1553 | 0.75 | 0.07 | 0.12 | 44 |
| | | | | |
| 1554 | 0.91 | 0.20 | 0.32 | 51 |
| 1555 | 0.00 | 0.00 | 0.00 | 59 |
| 1556 | 0.50 | 0.18 | 0.27 | 60 |
| | | | | |
| 1557 | 1.00 | 0.07 | 0.12 | 46 |
| 1558 | 0.67 | 0.05 | 0.09 | 43 |
| 1559 | 0.00 | 0.00 | 0.00 | 52 |
| | | | | |
| 1560 | 0.67 | 0.09 | 0.16 | 44 |
| 1561 | 0.95 | 0.50 | 0.66 | 38 |
| 1562 | 0.40 | 0.10 | 0.15 | 42 |
| | | | | |
| 1563 | 0.30 | 0.06 | 0.10 | 49 |
| 1564 | 1.00 | 0.15 | 0.25 | 48 |
| 1565 | 1.00 | 0.38 | 0.56 | 52 |
| | | | | |
| 1566 | 0.97 | 0.63 | 0.76 | 46 |
| 1567 | 0.00 | 0.00 | 0.00 | 46 |
| 1568 | 0.81 | 0.44 | 0.57 | 39 |
| 1569 | 0.57 | 0.09 | | 47 |
| | | | 0.15 | |
| 1570 | 0.60 | 0.12 | 0.21 | 48 |
| 1571 | 0.00 | 0.00 | 0.00 | 47 |
| 1572 | 0.00 | | | 52 |
| | | 0.00 | 0.00 | |
| 1573 | 0.00 | 0.00 | 0.00 | 31 |
| 1574 | 0.95 | 0.38 | 0.55 | 55 |
| 1575 | | 0.02 | | 49 |
| | 0.14 | | 0.04 | |
| 1576 | 1.00 | 0.43 | 0.61 | 46 |
| 1577 | 0.25 | 0.02 | 0.03 | 55 |
| 1578 | 0.00 | 0.00 | 0.00 | 42 |
| | | | | |
| 1579 | 0.89 | 0.20 | 0.32 | 41 |
| 1580 | 0.00 | 0.00 | 0.00 | 47 |
| 1581 | 0.40 | 0.08 | 0.13 | 50 |
| | | | | |
| 1582 | 0.00 | 0.00 | 0.00 | 47 |
| 1583 | 0.50 | 0.11 | 0.18 | 54 |
| 1584 | 0.50 | 0.04 | 0.08 | 49 |
| | | | | |
| 1585 | 0.25 | 0.06 | 0.09 | 35 |
| 1586 | 0.00 | 0.00 | 0.00 | 43 |
| 1587 | 0.64 | 0.13 | 0.22 | 53 |
| | | | | |
| 1588 | 0.00 | 0.00 | 0.00 | 49 |
| 1589 | 0.00 | 0.00 | 0.00 | 44 |
| 1590 | 0.50 | 0.05 | 0.09 | 39 |
| 1591 | | 0.00 | 0.00 | |
| | 0.00 | | | 36 |
| 1592 | 0.00 | 0.00 | 0.00 | 46 |
| 1593 | 0.75 | 0.22 | 0.34 | 55 |
| 1594 | 0.91 | 0.21 | 0.34 | 47 |
| | | | | |
| 1595 | 1.00 | 0.22 | 0.35 | 51 |
| 1596 | 0.00 | 0.00 | 0.00 | 42 |
| 1597 | 0.00 | 0.00 | 0.00 | 50 |
| 1598 | 0.53 | 0.20 | 0.29 | 40 |
| | | | | |
| 1599 | 0.00 | 0.00 | 0.00 | 38 |
| 1600 | 0.00 | 0.00 | 0.00 | 47 |
| 1601 | 0.88 | 0.38 | 0.53 | 37 |
| | | | | |
| 1602 | 0.25 | 0.02 | 0.03 | 62 |
| 1603 | 0.00 | 0.00 | 0.00 | 43 |
| 1604 | 0.00 | 0.00 | 0.00 | 66 |
| | | | | |
| 1605 | 0.33 | 0.03 | 0.06 | 33 |
| 1606 | 0.00 | 0.00 | 0.00 | 35 |
| 1607 | 1.00 | 0.29 | 0.44 | 42 |
| 1608 | 0.96 | 0.57 | 0.71 | 44 |
| | | | | |
| 1609 | 0.67 | 0.05 | 0.09 | 40 |
| 1610 | 0.91 | 0.46 | 0.61 | 46 |
| 1611 | 0.33 | 0.04 | 0.07 | 55 |
| | | | | |
| 1612 | 0.88 | 0.35 | 0.50 | 43 |
| 1613 | 0.00 | 0.00 | 0.00 | 51 |
| 1614 | 0.69 | 0.24 | 0.35 | 38 |
| 1615 | 0.00 | 0.00 | 0.00 | 47 |
| | | | | |
| 1616 | 0.45 | 0.10 | 0.16 | 51 |
| 1617 | 0.00 | 0.00 | 0.00 | 52 |
| 1618 | 0.25 | 0.02 | 0.04 | 43 |
| | | | | |
| 1619 | 1.00 | 0.03 | 0.05 | 37 |
| 1620 | 0.00 | 0.00 | 0.00 | 50 |
| 1621 | 0.00 | 0.00 | 0.00 | 44 |
| 1622 | 0.56 | 0.12 | 0.20 | 41 |
| | | | | |
| 1623 | N 5N | N 13 | n 21 | 46 |
| | | | | |

| 1 U L J | 0.50 | U. ±J | ∨•∠⊥ | υr |
|--------------|--------------|--------------|--------------|----------|
| 1624 | 1.00 | 0.05 | 0.09 | 42 |
| 1625 | 0.94 | 0.33 | 0.49 | 48 |
| 1626 | 0.20 | 0.02 | 0.04 | 51 |
| 1627 | 0.00 | 0.00 | 0.00 | 37 |
| 1628 | 0.20 | 0.04 | 0.07 | 48 |
| 1629 | 0.00 | 0.00 | 0.00 | 43 |
| 1630 | 0.00 | 0.00 | 0.00 | 50 |
| 1631 | 0.00 | 0.00 | 0.00 | 41 |
| 1632 | 0.29 | 0.04 | 0.08 | 45 |
| 1633 1634 | 0.90 0.43 | 0.40 0.11 | 0.55 0.17 | 45 56 |
| 1635 | 0.43 | 0.27 | 0.39 | 44 |
| 1636 | 1.00 | 0.33 | 0.50 | 39 |
| 1637 | 0.74 | 0.27 | 0.40 | 51 |
| 1638 | 0.00 | 0.00 | 0.00 | 31 |
| 1639 | 0.00 | 0.00 | 0.00 | 53 |
| 1640 | 1.00 | 0.19 | 0.31 | 59 |
| 1641 | 0.20 | 0.03 | 0.05 | 35 |
| 1642 | 0.38 | 0.10 | 0.15 | 52 |
| 1643 | 0.00 | 0.00 | 0.00 | 32 |
| 1644 | 0.00 | 0.00 | 0.00 | 45 |
| 1645 | 0.00 | 0.00 | 0.00 | 50 |
| 1646 | 0.36 | 0.08 | 0.13 | 52 |
| 1647 | 0.53 | 0.26 | 0.34 | 39 |
| 1648 | 0.25 | 0.02 | 0.03 | 56 |
| 1649 | 0.75 | 0.32 | 0.45 | 37 |
| 1650 | 0.30 | 0.07 | 0.12 | 42 |
| 1651 | 0.62 | 0.09 | 0.16 | 55 |
| 1652 | 0.89 | 0.47 | 0.62 | 34 |
| 1653 | 0.83 | 0.12 | 0.22 | 40 |
| 1654 1655 | 0.00 | 0.00 | 0.00 | 45 56 |
| 1656 | 0.00 | 0.00 | 0.00 | 50 |
| 1657 | 0.00 | 0.00 | 0.00 | 46 |
| 1658 | 0.84 | 0.37 | 0.52 | 43 |
| 1659 | 0.88 | 0.45 | 0.59 | 49 |
| 1660 | 0.80 | 0.23 | 0.36 | 52 |
| 1661 | 1.00 | 0.02 | 0.04 | 54 |
| 1662 | 0.00 | 0.00 | 0.00 | 43 |
| 1663 | 0.00 | 0.00 | 0.00 | 59 |
| 1664 | 0.00 | 0.00 | 0.00 | 45 |
| 1665 | 0.00 | 0.00 | 0.00 | 51 |
| 1666 | 0.00 | 0.00 | 0.00 | 47 |
| 1667 | 0.17 | 0.02 | 0.04 | 50 |
| 1668 | 0.86 | 0.30 | 0.44 | 40 |
| 1669 | 0.25 | 0.03 | 0.05 | 38 |
| 1670 | 1.00 | 0.14 | 0.24 | 37 |
| 1671 1672 | 0.50 0.86 | 0.02 0.51 | 0.04 | 51 47 |
| 1673 | 0.86 | 0.12 | 0.04 | 49 |
| 1674 | 0.25 | 0.02 | 0.04 | 45 |
| 1675 | 0.00 | 0.00 | 0.00 | 46 |
| 1676 | 0.00 | 0.00 | 0.00 | 45 |
| 1677 | 0.38 | 0.07 | 0.11 | 45 |
| 1678 | 0.00 | 0.00 | 0.00 | 43 |
| 1679 | 1.00 | 0.02 | 0.04 | 52 |
| 1680 | 0.60 | 0.07 | 0.13 | 41 |
| 1681 | 0.00 | 0.00 | 0.00 | 41 |
| 1682 | 0.00 | 0.00 | 0.00 | 35 |
| 1683 | 0.67 | 0.05 | 0.09 | 41 |
| 1684 | 0.50 | 0.11 | 0.19 | 35 |
| 1685 | 1.00 | 0.02 | 0.04 | 53 |
| 1686 | 0.00 | 0.00 | 0.00 | 43 |
| 1687 | 0.00 | 0.00 | 0.00 | 39 |
| 1688 1689 | 0.00 0.50 | 0.00 0.18 | 0.00 0.26 | 38 51 |
| 1690 | 0.50 | 0.18 | 0.26 | 47 |
| 1691 | 0.00 | 0.00 | 0.00 | 30 |
| 1692 | 0.64 | 0.23 | 0.34 | 30 |
| 1693 | 0.00 | 0.00 | 0.00 | 47 |
| 1694 | 0.00 | 0.00 | 0.00 | 51 |
| 1695 | 0.00 | 0.00 | 0.00 | 43 |
| 1696 | 0.86 | 0.30 | 0.44 | 40 |
| 1697 | 0.00 | 0.00 | 0.00 | 33 |
| 1698 | 0.00 | 0.00 | 0.00 | 45 |
| 1699 | 0.00 | 0.00 | 0.00 | 42 |
| 1700 | 1 00 | 0 42 | n 5a | 15 |

| 1700 | 1.00 | 0.72 | 0.59 | 40 |
|------|------|------|------|----|
| 1701 | 0.83 | 0.38 | 0.53 | 39 |
| 1702 | 0.00 | 0.00 | 0.00 | 56 |
| 1703 | 1.00 | 0.36 | 0.53 | 44 |
| 1704 | 0.83 | 0.34 | 0.48 | 44 |
| 1705 | 1.00 | 0.40 | 0.57 | 40 |
| | 1.00 | | 0.37 | 35 |
| 1706 | | 0.23 | | |
| 1707 | 0.00 | 0.00 | 0.00 | 32 |
| 1708 | 1.00 | 0.27 | 0.42 | 45 |
| 1709 | 0.00 | 0.00 | 0.00 | 37 |
| 1710 | 0.00 | 0.00 | 0.00 | 47 |
| | | | | |
| 1711 | 0.25 | 0.07 | 0.11 | 30 |
| 1712 | 0.00 | 0.00 | 0.00 | 38 |
| 1713 | 0.00 | 0.00 | 0.00 | 39 |
| 1714 | 0.73 | 0.31 | 0.43 | 36 |
| 1715 | 0.00 | 0.00 | 0.00 | 38 |
| | | | 0.03 | |
| 1716 | 0.20 | 0.02 | | 55 |
| 1717 | 0.60 | 0.07 | 0.13 | 42 |
| 1718 | 0.55 | 0.24 | 0.33 | 46 |
| 1719 | 0.54 | 0.14 | 0.22 | 51 |
| 1720 | 0.27 | 0.11 | 0.16 | 35 |
| 1721 | 0.85 | 0.47 | 0.61 | 36 |
| | | | | |
| 1722 | 0.89 | 0.42 | 0.57 | 38 |
| 1723 | 0.92 | 0.30 | 0.45 | 40 |
| 1724 | 0.67 | 0.04 | 0.07 | 53 |
| 1725 | 0.00 | 0.00 | 0.00 | 27 |
| 1726 | 0.20 | 0.02 | 0.04 | 48 |
| | | | | |
| 1727 | 0.83 | 0.50 | 0.62 | 38 |
| 1728 | 0.18 | 0.05 | 0.08 | 38 |
| 1729 | 0.86 | 0.11 | 0.19 | 57 |
| 1730 | 0.85 | 0.47 | 0.60 | 47 |
| 1731 | 0.00 | 0.00 | 0.00 | 48 |
| | | | 0.00 | |
| 1732 | 0.00 | 0.00 | | 41 |
| 1733 | 0.15 | 0.06 | 0.09 | 33 |
| 1734 | 0.33 | 0.05 | 0.09 | 37 |
| 1735 | 0.50 | 0.04 | 0.08 | 45 |
| 1736 | 0.95 | 0.41 | 0.57 | 44 |
| 1737 | 0.80 | 0.26 | 0.39 | 47 |
| 1738 | 1.00 | 0.38 | 0.55 | 48 |
| | | | | |
| 1739 | 0.25 | 0.02 | 0.04 | 48 |
| 1740 | 0.00 | 0.00 | 0.00 | 51 |
| 1741 | 0.91 | 0.24 | 0.38 | 42 |
| 1742 | 0.93 | 0.29 | 0.44 | 45 |
| 1743 | 1.00 | 0.14 | 0.24 | 43 |
| 1744 | 0.00 | 0.00 | 0.00 | 50 |
| 1745 | 1.00 | 0.25 | 0.40 | 40 |
| | | | | |
| 1746 | 0.67 | 0.16 | 0.26 | 49 |
| 1747 | 0.00 | 0.00 | 0.00 | 37 |
| 1748 | 0.83 | 0.42 | 0.56 | 36 |
| 1749 | 0.40 | 0.05 | 0.09 | 41 |
| 1750 | 0.00 | 0.00 | 0.00 | 41 |
| 1751 | 0.91 | 0.29 | 0.44 | 34 |
| | | | | |
| 1752 | 0.00 | 0.00 | 0.00 | 37 |
| 1753 | 0.80 | 0.20 | 0.31 | 41 |
| 1754 | 0.00 | 0.00 | 0.00 | 46 |
| 1755 | 0.00 | 0.00 | 0.00 | 35 |
| 1756 | 0.59 | 0.22 | 0.32 | 46 |
| 1757 | 0.00 | 0.00 | 0.00 | 44 |
| | | | | |
| 1758 | 0.50 | 0.05 | 0.09 | 43 |
| 1759 | 0.17 | 0.03 | 0.06 | 30 |
| 1760 | 0.00 | 0.00 | 0.00 | 46 |
| 1761 | 0.00 | 0.00 | 0.00 | 39 |
| 1762 | 0.00 | 0.00 | 0.00 | 41 |
| 1763 | 0.00 | 0.00 | 0.00 | 47 |
| 1764 | 0.86 | 0.18 | 0.29 | 34 |
| | | | | |
| 1765 | 0.00 | 0.00 | 0.00 | 32 |
| 1766 | 0.71 | 0.29 | 0.41 | 42 |
| 1767 | 0.90 | 0.24 | 0.38 | 38 |
| 1768 | 0.00 | 0.00 | 0.00 | 35 |
| 1769 | 0.57 | 0.12 | 0.20 | 33 |
| 1770 | 0.67 | 0.05 | 0.10 | 39 |
| 1771 | 0.00 | 0.00 | 0.00 | 37 |
| | | | | |
| 1772 | 0.54 | 0.15 | 0.23 | 48 |
| 1773 | 1.00 | 0.33 | 0.49 | 46 |
| 1774 | 0.67 | 0.14 | 0.23 | 44 |
| 1775 | 0.50 | 0.02 | 0.03 | 63 |
| 1776 | 0.80 | 0.10 | 0.18 | 40 |
| 1777 | 1 ^^ | 0 00 | 0 05 | 20 |
| | | | | |

| 1/// | 1.00 | U.U3 | U.US | 29 |
|--------|------|------|------|-----|
| 1778 | 0.50 | 0.08 | 0.14 | 38 |
| 1779 | 0.00 | 0.00 | 0.00 | 44 |
| | | | | |
| 1780 | 0.92 | 0.55 | 0.69 | 44 |
| 1781 | 0.67 | 0.05 | 0.09 | 40 |
| 1782 | 0.33 | 0.05 | 0.08 | 43 |
| 1783 | 0.00 | 0.00 | 0.00 | 39 |
| 1784 | 0.44 | 0.09 | 0.15 | 44 |
| 1785 | 0.71 | 0.13 | 0.22 | 38 |
| 1786 | 0.00 | 0.00 | 0.00 | 39 |
| | | | | |
| 1787 | 1.00 | 0.05 | 0.09 | 44 |
| 1788 | 0.00 | 0.00 | 0.00 | 46 |
| 1789 | 0.70 | 0.17 | 0.28 | 40 |
| 1790 | 0.75 | 0.27 | 0.39 | 45 |
| 1791 | 0.00 | 0.00 | 0.00 | 39 |
| 1792 | 0.20 | 0.05 | 0.08 | 41 |
| 1793 | 0.71 | 0.21 | 0.33 | 47 |
| 1794 | 0.38 | 0.07 | 0.12 | 43 |
| | | | | |
| 1795 | 0.76 | 0.38 | 0.51 | 34 |
| 1796 | 0.72 | 0.40 | 0.51 | 45 |
| 1797 | 1.00 | 0.19 | 0.32 | 31 |
| 1798 | 0.25 | 0.06 | 0.09 | 36 |
| 1799 | 0.68 | 0.27 | 0.39 | 55 |
| 1800 | 0.00 | 0.00 | 0.00 | 30 |
| 1801 | 0.00 | 0.00 | 0.00 | 35 |
| 1802 | 1.00 | 0.23 | 0.37 | 48 |
| | 0.12 | 0.03 | | |
| 1803 | | | 0.04 | 38 |
| 1804 | 0.00 | 0.00 | 0.00 | 35 |
| 1805 | 0.00 | 0.00 | 0.00 | 32 |
| 1806 | 0.71 | 0.27 | 0.39 | 37 |
| 1807 | 1.00 | 0.19 | 0.32 | 37 |
| 1808 | 0.00 | 0.00 | 0.00 | 36 |
| 1809 | 0.00 | 0.00 | 0.00 | 42 |
| 1810 | 0.00 | 0.00 | 0.00 | 42 |
| 1811 | | | | 35 |
| | 0.00 | 0.00 | 0.00 | |
| 1812 | 0.57 | 0.10 | 0.17 | 39 |
| 1813 | 0.71 | 0.28 | 0.40 | 36 |
| 1814 | 0.43 | 0.06 | 0.11 | 48 |
| 1815 | 1.00 | 0.44 | 0.62 | 45 |
| 1816 | 0.75 | 0.26 | 0.39 | 34 |
| 1817 | 0.67 | 0.19 | 0.29 | 32 |
| 1818 | 1.00 | 0.27 | 0.43 | 44 |
| 1819 | 0.00 | 0.00 | 0.00 | 46 |
| | | | | |
| 1820 | 0.00 | 0.00 | 0.00 | 40 |
| 1821 | 0.00 | 0.00 | 0.00 | 37 |
| 1822 | 0.00 | 0.00 | 0.00 | 35 |
| 1823 | 0.00 | 0.00 | 0.00 | 33 |
| 1824 | 0.00 | 0.00 | 0.00 | 38 |
| 1825 | 1.00 | 0.05 | 0.10 | 38 |
| 1826 | 0.73 | 0.18 | 0.29 | 45 |
| 1827 | 0.00 | 0.00 | 0.00 | 36 |
| 1828 | 0.00 | 0.00 | 0.00 | 45 |
| 1829 | 0.96 | 0.68 | 0.80 | 38 |
| | | | | |
| 1830 | 0.17 | 0.03 | 0.05 | 35 |
| 1831 | 0.75 | 0.26 | 0.39 | 34 |
| 1832 | 0.50 | 0.03 | 0.06 | 33 |
| 1833 | 0.60 | 0.13 | 0.21 | 23 |
| 1834 | 0.50 | 0.02 | 0.04 | 44 |
| 1835 | 0.00 | 0.00 | 0.00 | 50 |
| 1836 | 1.00 | 0.05 | 0.09 | 44 |
| 1837 | 0.86 | 0.26 | 0.40 | 46 |
| 1838 | 0.00 | 0.00 | 0.00 | 33 |
| | | | | |
| 1839 | 0.60 | 0.20 | 0.30 | 45 |
| 1840 | 0.00 | 0.00 | 0.00 | 37 |
| 1841 | 1.00 | 0.03 | 0.05 | 39 |
| 1842 | 0.00 | 0.00 | 0.00 | 40 |
| 1843 | 0.00 | 0.00 | 0.00 | 41 |
| 1844 | 0.33 | 0.05 | 0.08 | 43 |
| 1845 | 0.00 | 0.00 | 0.00 | 36 |
| 1846 | 0.00 | 0.00 | 0.00 | 38 |
| | | | | |
| 1847 | 0.00 | 0.00 | 0.00 | 33 |
| 1848 | 0.00 | 0.00 | 0.00 | 37 |
| 1849 | 1.00 | 0.12 | 0.21 | 34 |
| 1850 | 0.00 | 0.00 | 0.00 | 42 |
| 1851 | 0.60 | 0.41 | 0.48 | 37 |
| 1852 | 0.80 | 0.11 | 0.19 | 37 |
| 1853 | 0.91 | 0.24 | 0.38 | 41 |
| 10 Г / | 1 00 | 0 45 | 0 (0 | 4.0 |
| | | | | |

| 1854 | 1.00 | U.45 | U.62 | 4 U |
|------|------|------|------|-----|
| 1855 | 0.00 | 0.00 | 0.00 | 40 |
| | | | | |
| 1856 | 0.00 | 0.00 | 0.00 | 39 |
| 1857 | 0.00 | 0.00 | 0.00 | 30 |
| 1858 | 0.33 | 0.02 | 0.04 | 49 |
| 1859 | 0.67 | 0.28 | 0.39 | 29 |
| 1860 | 0.00 | 0.00 | 0.00 | 45 |
| | | | | |
| 1861 | 0.25 | 0.05 | 0.08 | 40 |
| 1862 | 0.90 | 0.23 | 0.37 | 39 |
| 1863 | 0.00 | 0.00 | 0.00 | 37 |
| 1864 | 0.81 | 0.35 | 0.49 | 37 |
| 1865 | 0.91 | 0.28 | 0.43 | 36 |
| | | | | |
| 1866 | 0.00 | 0.00 | 0.00 | 39 |
| 1867 | 0.38 | 0.07 | 0.12 | 42 |
| 1868 | 0.73 | 0.25 | 0.37 | 44 |
| 1869 | 0.00 | 0.00 | 0.00 | 39 |
| 1870 | 0.00 | 0.00 | 0.00 | 46 |
| | | | | |
| 1871 | 0.00 | 0.00 | 0.00 | 43 |
| 1872 | 0.14 | 0.03 | 0.05 | 34 |
| 1873 | 0.40 | 0.04 | 0.08 | 47 |
| 1874 | 0.57 | 0.10 | 0.17 | 39 |
| 1875 | 0.33 | 0.03 | 0.05 | 36 |
| | | | | |
| 1876 | 0.56 | 0.14 | 0.22 | 37 |
| 1877 | 0.00 | 0.00 | 0.00 | 47 |
| 1878 | 0.50 | 0.06 | 0.11 | 48 |
| 1879 | 0.67 | 0.19 | 0.29 | 32 |
| 1880 | 0.87 | 0.28 | 0.43 | 46 |
| | | | | |
| 1881 | 0.17 | 0.03 | 0.05 | 38 |
| 1882 | 0.00 | 0.00 | 0.00 | 36 |
| 1883 | 0.00 | 0.00 | 0.00 | 40 |
| 1884 | 0.38 | 0.09 | 0.14 | 34 |
| 1885 | 0.00 | 0.00 | 0.00 | 41 |
| | | | | |
| 1886 | 0.00 | 0.00 | 0.00 | 42 |
| 1887 | 0.00 | 0.00 | 0.00 | 38 |
| 1888 | 1.00 | 0.02 | 0.04 | 49 |
| 1889 | 1.00 | 0.42 | 0.59 | 36 |
| 1890 | 0.70 | 0.19 | 0.30 | 36 |
| | | | | |
| 1891 | 0.67 | 0.23 | 0.34 | 44 |
| 1892 | 0.33 | 0.04 | 0.07 | 24 |
| 1893 | 0.00 | 0.00 | 0.00 | 36 |
| 1894 | 1.00 | 0.39 | 0.56 | 46 |
| 1895 | 0.00 | 0.00 | 0.00 | 33 |
| 1896 | 1.00 | | 0.21 | 42 |
| | | 0.12 | | |
| 1897 | 0.00 | 0.00 | 0.00 | 35 |
| 1898 | 0.00 | 0.00 | 0.00 | 31 |
| 1899 | 0.71 | 0.33 | 0.45 | 36 |
| 1900 | 0.00 | 0.00 | 0.00 | 30 |
| 1901 | 0.62 | 0.10 | 0.18 | 49 |
| | | | | |
| 1902 | 0.67 | 0.12 | 0.20 | 34 |
| 1903 | 1.00 | 0.07 | 0.14 | 40 |
| 1904 | 0.00 | 0.00 | 0.00 | 42 |
| 1905 | 0.00 | 0.00 | 0.00 | 44 |
| 1906 | 0.84 | 0.34 | 0.48 | 47 |
| 1907 | 0.00 | 0.00 | 0.00 | 46 |
| | | | | |
| 1908 | 0.57 | 0.33 | 0.42 | 36 |
| 1909 | 1.00 | 0.06 | 0.11 | 35 |
| 1910 | 0.00 | 0.00 | 0.00 | 46 |
| 1911 | 0.00 | 0.00 | 0.00 | 39 |
| 1912 | 0.85 | 0.29 | 0.43 | 38 |
| | | | | |
| 1913 | 0.00 | 0.00 | 0.00 | 38 |
| 1914 | 0.73 | 0.19 | 0.30 | 43 |
| 1915 | 0.84 | 0.52 | 0.64 | 31 |
| 1916 | 0.33 | 0.08 | 0.12 | 39 |
| 1917 | 0.00 | 0.00 | 0.00 | 38 |
| 1918 | 0.75 | 0.20 | 0.32 | 45 |
| | | | | |
| 1919 | 0.58 | 0.19 | 0.29 | 37 |
| 1920 | 0.00 | 0.00 | 0.00 | 29 |
| 1921 | 0.00 | 0.00 | 0.00 | 31 |
| 1922 | 0.61 | 0.34 | 0.44 | 41 |
| 1923 | 0.17 | 0.02 | 0.03 | 54 |
| | | | | |
| 1924 | 0.80 | 0.12 | 0.22 | 32 |
| 1925 | 0.00 | 0.00 | 0.00 | 32 |
| 1926 | 0.00 | 0.00 | 0.00 | 38 |
| 1927 | 0.94 | 0.38 | 0.54 | 42 |
| 1928 | 0.00 | 0.00 | 0.00 | 41 |
| 1929 | 0.00 | 0.00 | 0.00 | 47 |
| | | | | |
| 1930 | 1.00 | 0.40 | 0.57 | 30 |
| | • | | | • |

| 1931 | 1.00 | 0.05 | 0.09 | 4 1 |
|------|------|------|------|-----|
| | | | | |
| 1932 | 0.00 | 0.00 | 0.00 | 40 |
| 1933 | 0.62 | 0.19 | 0.29 | 43 |
| 1934 | 0.00 | 0.00 | 0.00 | 42 |
| 1935 | 0.33 | 0.06 | 0.10 | 36 |
| 1936 | 0.57 | 0.29 | 0.38 | 42 |
| | | | | |
| 1937 | 1.00 | 0.03 | 0.05 | 36 |
| 1938 | 0.94 | 0.50 | 0.65 | 32 |
| 1939 | 1.00 | 0.12 | 0.21 | 50 |
| 1940 | 0.33 | 0.03 | 0.05 | 35 |
| | 0.00 | 0.00 | 0.00 | |
| 1941 | | | | 41 |
| 1942 | 0.80 | 0.20 | 0.32 | 40 |
| 1943 | 0.00 | 0.00 | 0.00 | 38 |
| 1944 | 0.84 | 0.47 | 0.60 | 34 |
| 1945 | 0.00 | 0.00 | 0.00 | 42 |
| | | 0.32 | | 28 |
| 1946 | 0.90 | | 0.47 | |
| 1947 | 0.00 | 0.00 | 0.00 | 37 |
| 1948 | 0.00 | 0.00 | 0.00 | 32 |
| 1949 | 0.00 | 0.00 | 0.00 | 32 |
| 1950 | 0.69 | 0.35 | 0.46 | 26 |
| 1951 | 0.00 | 0.00 | 0.00 | 49 |
| | | | | |
| 1952 | 0.00 | 0.00 | 0.00 | 32 |
| 1953 | 0.50 | 0.03 | 0.06 | 31 |
| 1954 | 0.71 | 0.12 | 0.21 | 40 |
| 1955 | 0.00 | 0.00 | 0.00 | 47 |
| 1956 | 1.00 | 0.07 | 0.13 | 43 |
| 1957 | 0.00 | 0.00 | 0.00 | 38 |
| | | | | |
| 1958 | 0.77 | 0.26 | 0.39 | 38 |
| 1959 | 0.00 | 0.00 | 0.00 | 34 |
| 1960 | 0.32 | 0.21 | 0.25 | 39 |
| 1961 | 1.00 | 0.03 | 0.06 | 34 |
| 1962 | 0.20 | 0.02 | 0.04 | 42 |
| | | | | |
| 1963 | 0.60 | 0.09 | 0.16 | 32 |
| 1964 | 0.00 | 0.00 | 0.00 | 41 |
| 1965 | 0.33 | 0.02 | 0.04 | 42 |
| 1966 | 0.00 | 0.00 | 0.00 | 37 |
| 1967 | 0.00 | 0.00 | 0.00 | 41 |
| 1968 | 0.86 | 0.60 | 0.71 | 30 |
| 1969 | 0.50 | 0.24 | 0.32 | 25 |
| | | | | |
| 1970 | 0.50 | 0.15 | 0.23 | 40 |
| 1971 | 0.00 | 0.00 | 0.00 | 43 |
| 1972 | 0.00 | 0.00 | 0.00 | 42 |
| 1973 | 0.00 | 0.00 | 0.00 | 32 |
| 1974 | 0.00 | 0.00 | 0.00 | 33 |
| 1975 | 1.00 | 0.21 | 0.35 | 28 |
| 1976 | 0.00 | 0.00 | 0.00 | 35 |
| 1977 | 0.92 | 0.22 | 0.36 | 49 |
| | | | | |
| 1978 | 1.00 | 0.33 | 0.49 | 49 |
| 1979 | 0.00 | 0.00 | 0.00 | 34 |
| 1980 | 0.00 | 0.00 | 0.00 | 28 |
| 1981 | 1.00 | 0.24 | 0.38 | 34 |
| 1982 | 0.00 | 0.00 | 0.00 | 30 |
| 1983 | 0.50 | 0.03 | 0.05 | 40 |
| 1984 | | | | |
| | 0.00 | 0.00 | 0.00 | 38 |
| 1985 | 0.00 | 0.00 | 0.00 | 42 |
| 1986 | 0.00 | 0.00 | 0.00 | 32 |
| 1987 | 0.00 | 0.00 | 0.00 | 37 |
| 1988 | 0.25 | 0.03 | 0.05 | 34 |
| 1989 | 0.75 | 0.15 | 0.24 | 41 |
| 1990 | 0.00 | 0.00 | 0.00 | 34 |
| | | | | 34 |
| 1991 | 0.00 | 0.00 | 0.00 | |
| 1992 | 0.00 | 0.00 | 0.00 | 30 |
| 1993 | 0.67 | 0.17 | 0.27 | 36 |
| 1994 | 0.83 | 0.16 | 0.26 | 32 |
| 1995 | 0.00 | 0.00 | 0.00 | 38 |
| 1996 | 0.00 | 0.00 | 0.00 | 32 |
| 1997 | 0.00 | 0.00 | 0.00 | 39 |
| | 0.00 | 0.00 | | |
| 1998 | | | 0.00 | 32 |
| 1999 | 0.73 | 0.18 | 0.29 | 44 |
| 2000 | 0.50 | 0.02 | 0.05 | 41 |
| 2001 | 1.00 | 0.24 | 0.39 | 37 |
| 2002 | 0.30 | 0.08 | 0.12 | 38 |
| 2003 | 0.00 | 0.00 | 0.00 | 31 |
| 2004 | 0.00 | 0.00 | 0.00 | 35 |
| 2005 | 0.80 | 0.24 | 0.36 | 34 |
| | | | | |
| 2006 | 0.80 | 0.24 | 0.36 | 34 |
| 2007 | 1.00 | 0.06 | 0.12 | 31 |
| | | | | |

| 2008 | 0.00 | 0.00 | 0.00 | 40 |
|------|---------|---------|------|----|
| | | | | |
| 2009 | 1.00 | 0.25 | 0.40 | 40 |
| 2010 | 0.40 | 0.05 | 0.09 | 39 |
| 2011 | 0.62 | 0.14 | 0.22 | 37 |
| 2012 | 0.00 | 0.00 | 0.00 | 35 |
| 2013 | 0.00 | 0.00 | 0.00 | 27 |
| 2014 | 0.00 | 0.00 | 0.00 | 38 |
| 2015 | 0.00 | 0.00 | 0.00 | 34 |
| | 0.00 | | | 33 |
| 2016 | | 0.00 | 0.00 | |
| 2017 | 0.00 | 0.00 | 0.00 | 31 |
| 2018 | 1.00 | 0.06 | 0.11 | 34 |
| 2019 | 0.00 | 0.00 | 0.00 | 40 |
| 2020 | 0.00 | 0.00 | 0.00 | 29 |
| 2021 | 0.00 | 0.00 | 0.00 | 34 |
| 2022 | 0.00 | 0.00 | 0.00 | 37 |
| 2023 | 0.54 | 0.23 | 0.33 | 30 |
| 2024 | 0.00 | 0.00 | 0.00 | 34 |
| | 0.00 | 0.00 | 0.00 | 36 |
| 2025 | | | | |
| 2026 | 0.92 | 0.22 | 0.36 | 49 |
| 2027 | 0.00 | 0.00 | 0.00 | 22 |
| 2028 | 0.94 | 0.38 | 0.55 | 39 |
| 2029 | 0.00 | 0.00 | 0.00 | 36 |
| 2030 | 1.00 | 0.49 | 0.65 | 37 |
| 2031 | 0.90 | 0.28 | 0.43 | 32 |
| 2032 | 1.00 | 0.17 | 0.29 | 41 |
| 2032 | 0.00 | 0.00 | 0.00 | 28 |
| | 0.30 | | | |
| 2034 | | 0.08 | 0.12 | 38 |
| 2035 | 0.00 | 0.00 | 0.00 | 26 |
| 2036 | 0.00 | 0.00 | 0.00 | 33 |
| 2037 | 0.00 | 0.00 | 0.00 | 32 |
| 2038 | 0.80 | 0.22 | 0.34 | 37 |
| 2039 | 0.00 | 0.00 | 0.00 | 32 |
| 2040 | 0.55 | 0.15 | 0.24 | 40 |
| 2041 | 0.40 | 0.07 | 0.12 | 29 |
| | 0.00 | 0.00 | 0.00 | 30 |
| 2042 | | | | |
| 2043 | 0.00 | 0.00 | 0.00 | 33 |
| 2044 | 0.00 | 0.00 | 0.00 | 35 |
| 2045 | 0.50 | 0.18 | 0.26 | 34 |
| 2046 | 0.50 | 0.03 | 0.06 | 31 |
| 2047 | 0.50 | 0.06 | 0.11 | 32 |
| 2048 | 0.00 | 0.00 | 0.00 | 36 |
| 2049 | 1.00 | 0.02 | 0.05 | 43 |
| 2050 | 0.00 | 0.00 | 0.00 | 27 |
| | 0.50 | 0.10 | | |
| 2051 | | | 0.16 | 31 |
| 2052 | 0.00 | 0.00 | 0.00 | 34 |
| 2053 | 0.00 | 0.00 | 0.00 | 32 |
| 2054 | 0.71 | 0.11 | 0.19 | 45 |
| 2055 | 0.00 | 0.00 | 0.00 | 39 |
| 2056 | 0.95 | 0.58 | 0.72 | 33 |
| 2057 | 0.40 | 0.05 | 0.09 | 38 |
| 2058 | 0.25 | 0.03 | 0.05 | 33 |
| 2059 | 0.00 | 0.00 | 0.00 | 44 |
| 2060 | 1.00 | 0.46 | 0.63 | 35 |
| 2061 | 0.40 | 0.10 | 0.16 | 40 |
| | | | | |
| 2062 | 0.00 | 0.00 | 0.00 | 31 |
| 2063 | 1.00 | 0.44 | 0.61 | 32 |
| 2064 | 0.00 | 0.00 | 0.00 | 45 |
| 2065 | 0.93 | 0.40 | 0.56 | 35 |
| 2066 | 0.00 | 0.00 | 0.00 | 37 |
| 2067 | 0.40 | 0.06 | 0.10 | 35 |
| 2068 | 0.00 | 0.00 | 0.00 | 43 |
| 2069 | 0.00 | 0.00 | 0.00 | 26 |
| 2070 | 0.00 | 0.00 | 0.00 | 40 |
| 2071 | 1.00 | 0.46 | 0.63 | 37 |
| | 0.00 | 0.40 | | |
| 2072 | | | 0.00 | 31 |
| 2073 | 0.40 | 0.11 | 0.18 | 35 |
| 2074 | 0.00 | 0.00 | 0.00 | 35 |
| 2075 | 0.00 | 0.00 | 0.00 | 31 |
| 2076 | 0.00 | 0.00 | 0.00 | 30 |
| 2077 | 0.83 | 0.18 | 0.29 | 28 |
| 2078 | 0.00 | 0.00 | 0.00 | 37 |
| 2079 | 0.00 | 0.00 | 0.00 | 38 |
| 2080 | 0.00 | 0.00 | 0.00 | 28 |
| 2081 | 0.00 | 0.00 | 0.00 | 28 |
| 2082 | 0.00 | 0.00 | 0.00 | 33 |
| 2082 | 1.00 | 0.00 | 0.19 | 28 |
| | 1.00 | 0.11 | 0.19 | 23 |
| 2084 | T • O O | U • Z U | | |
| | | | | |

| 2085 | 0.84 | 0.46 | 0.59 | 35 |
|------|------|------|------|----|
| | | | | |
| 2086 | 0.60 | 0.08 | 0.14 | 39 |
| 2087 | 0.00 | 0.00 | 0.00 | 31 |
| 2088 | 0.00 | 0.00 | 0.00 | 25 |
| 2089 | 0.77 | 0.46 | 0.58 | 37 |
| 2090 | 0.00 | 0.00 | 0.00 | 34 |
| 2091 | 0.00 | 0.00 | 0.00 | 34 |
| 2092 | 0.00 | 0.00 | 0.00 | 38 |
| 2093 | 0.00 | 0.00 | 0.00 | 36 |
| | | | | |
| 2094 | 0.29 | 0.06 | 0.10 | 33 |
| 2095 | 0.40 | 0.05 | 0.09 | 40 |
| 2096 | 0.67 | 0.11 | 0.18 | 38 |
| 2097 | 0.33 | 0.04 | 0.07 | 25 |
| 2098 | 0.00 | 0.00 | 0.00 | 33 |
| 2099 | 1.00 | 0.19 | 0.32 | 42 |
| 2100 | 0.00 | 0.00 | 0.00 | 29 |
| 2101 | 0.00 | 0.00 | 0.00 | 29 |
| 2102 | 0.50 | 0.06 | 0.10 | 35 |
| | 0.67 | | 0.17 | |
| 2103 | | 0.10 | | 40 |
| 2104 | 0.00 | 0.00 | 0.00 | 42 |
| 2105 | 0.00 | 0.00 | 0.00 | 36 |
| 2106 | 0.00 | 0.00 | 0.00 | 33 |
| 2107 | 0.00 | 0.00 | 0.00 | 33 |
| 2108 | 0.00 | 0.00 | 0.00 | 34 |
| 2109 | 0.00 | 0.00 | 0.00 | 42 |
| 2110 | 0.00 | 0.00 | 0.00 | 28 |
| 2111 | 0.40 | 0.05 | 0.09 | 40 |
| 2112 | 1.00 | 0.04 | 0.08 | 24 |
| | | | | |
| 2113 | 0.00 | 0.00 | 0.00 | 36 |
| 2114 | 0.43 | 0.09 | 0.15 | 33 |
| 2115 | 0.00 | 0.00 | 0.00 | 32 |
| 2116 | 0.67 | 0.15 | 0.24 | 27 |
| 2117 | 0.00 | 0.00 | 0.00 | 30 |
| 2118 | 0.79 | 0.38 | 0.51 | 29 |
| 2119 | 0.50 | 0.07 | 0.12 | 28 |
| 2120 | 0.94 | 0.46 | 0.62 | 35 |
| | | | | 35 |
| 2121 | 0.00 | 0.00 | 0.00 | |
| 2122 | 0.00 | 0.00 | 0.00 | 37 |
| 2123 | 0.00 | 0.00 | 0.00 | 35 |
| 2124 | 0.40 | 0.06 | 0.10 | 35 |
| 2125 | 0.00 | 0.00 | 0.00 | 37 |
| 2126 | 0.00 | 0.00 | 0.00 | 35 |
| 2127 | 0.40 | 0.06 | 0.11 | 32 |
| 2128 | 0.36 | 0.13 | 0.20 | 30 |
| 2129 | 0.00 | 0.00 | 0.00 | 32 |
| 2130 | 0.00 | 0.00 | 0.00 | 41 |
| 2131 | 1.00 | 0.04 | 0.07 | 26 |
| 2132 | 0.00 | | | 34 |
| | | 0.00 | 0.00 | |
| 2133 | 0.00 | 0.00 | 0.00 | 29 |
| 2134 | 0.00 | 0.00 | 0.00 | 36 |
| 2135 | 0.00 | 0.00 | 0.00 | 29 |
| 2136 | 0.00 | 0.00 | 0.00 | 35 |
| 2137 | 0.83 | 0.37 | 0.51 | 27 |
| 2138 | 0.00 | 0.00 | 0.00 | 35 |
| 2139 | 0.85 | 0.37 | 0.51 | 30 |
| 2140 | 0.00 | 0.00 | 0.00 | 33 |
| 2141 | 0.67 | 0.05 | 0.10 | 38 |
| 2142 | 0.00 | 0.00 | 0.00 | 37 |
| 2143 | 1.00 | 0.10 | 0.18 | 31 |
| | | | | |
| 2144 | 0.71 | 0.14 | 0.24 | 35 |
| 2145 | 1.00 | 0.37 | 0.54 | 38 |
| 2146 | 1.00 | 0.17 | 0.29 | 35 |
| 2147 | 0.38 | 0.15 | 0.22 | 33 |
| 2148 | 0.00 | 0.00 | 0.00 | 32 |
| 2149 | 0.67 | 0.05 | 0.10 | 37 |
| 2150 | 0.00 | 0.00 | 0.00 | 41 |
| 2151 | 0.00 | 0.00 | 0.00 | 39 |
| 2152 | 0.00 | 0.00 | 0.00 | 36 |
| 2153 | 0.00 | 0.00 | 0.00 | 31 |
| | | | | |
| 2154 | 0.00 | 0.00 | 0.00 | 30 |
| 2155 | 1.00 | 0.42 | 0.59 | 26 |
| 2156 | 0.00 | 0.00 | 0.00 | 32 |
| 2157 | 0.00 | 0.00 | 0.00 | 38 |
| 2158 | 0.00 | 0.00 | 0.00 | 33 |
| 2159 | 0.00 | 0.00 | 0.00 | 32 |
| 2160 | 0.33 | 0.03 | 0.06 | 32 |
| 2161 | 0.00 | 0.00 | 0.00 | 34 |
| | | | | |

| 01.60 | 0 50 | 0.00 | 0.01 | 0.7 |
|-------|------|------|------|-----|
| 2162 | 0.50 | 0.22 | 0.31 | 27 |
| 2163 | 0.00 | 0.00 | 0.00 | 37 |
| 2164 | 1.00 | 0.03 | 0.06 | 30 |
| 2165 | 0.00 | 0.00 | 0.00 | 35 |
| 2166 | 0.56 | 0.21 | 0.30 | 24 |
| | | | | |
| 2167 | 0.00 | 0.00 | 0.00 | 37 |
| 2168 | 0.87 | 0.50 | 0.63 | 26 |
| 2169 | 0.00 | 0.00 | 0.00 | 27 |
| 2170 | 0.00 | 0.00 | 0.00 | 39 |
| | | | | |
| 2171 | 0.00 | 0.00 | 0.00 | 25 |
| 2172 | 0.00 | 0.00 | 0.00 | 33 |
| 2173 | 0.00 | 0.00 | 0.00 | 39 |
| 2174 | 0.94 | 0.43 | 0.59 | 35 |
| 2175 | 1.00 | 0.33 | 0.50 | 30 |
| 2176 | 0.00 | 0.00 | 0.00 | 36 |
| | | | | |
| 2177 | 0.33 | 0.04 | 0.06 | 28 |
| 2178 | 0.00 | 0.00 | 0.00 | 34 |
| 2179 | 0.00 | 0.00 | 0.00 | 35 |
| 2180 | 0.00 | 0.00 | 0.00 | 23 |
| 2181 | 0.00 | 0.00 | 0.00 | 34 |
| | | | | 27 |
| 2182 | 0.00 | 0.00 | 0.00 | |
| 2183 | 1.00 | 0.08 | 0.15 | 25 |
| 2184 | 0.00 | 0.00 | 0.00 | 33 |
| 2185 | 1.00 | 0.15 | 0.26 | 33 |
| 2186 | 0.33 | 0.16 | 0.21 | 19 |
| 2187 | 0.00 | 0.00 | 0.00 | 38 |
| | | | | |
| 2188 | 0.00 | 0.00 | 0.00 | 20 |
| 2189 | 0.00 | 0.00 | 0.00 | 32 |
| 2190 | 0.33 | 0.06 | 0.11 | 31 |
| 2191 | 0.67 | 0.12 | 0.21 | 33 |
| 2192 | 0.00 | 0.00 | 0.00 | 28 |
| 2193 | 1.00 | 0.06 | 0.11 | 36 |
| | | | | |
| 2194 | 0.00 | 0.00 | 0.00 | 35 |
| 2195 | 0.00 | 0.00 | 0.00 | 26 |
| 2196 | 0.00 | 0.00 | 0.00 | 32 |
| 2197 | 0.00 | 0.00 | 0.00 | 34 |
| 2198 | 1.00 | 0.03 | 0.06 | 33 |
| 2199 | 0.00 | 0.00 | 0.00 | 27 |
| 2200 | 0.60 | 0.10 | 0.17 | 31 |
| 2201 | 0.00 | 0.00 | 0.00 | 22 |
| | | | | |
| 2202 | 0.00 | 0.00 | 0.00 | 28 |
| 2203 | 0.75 | 0.19 | 0.30 | 32 |
| 2204 | 0.00 | 0.00 | 0.00 | 34 |
| 2205 | 0.00 | 0.00 | 0.00 | 27 |
| 2206 | 1.00 | 0.11 | 0.21 | 35 |
| 2207 | 0.00 | 0.00 | 0.00 | 32 |
| 2208 | 1.00 | 0.03 | 0.06 | 31 |
| 2209 | 0.00 | 0.00 | 0.00 | 34 |
| | | | | |
| 2210 | 0.00 | 0.00 | 0.00 | 31 |
| 2211 | 0.00 | 0.00 | 0.00 | 38 |
| 2212 | 1.00 | 0.03 | 0.07 | 29 |
| 2213 | 1.00 | 0.08 | 0.15 | 24 |
| 2214 | 0.00 | 0.00 | 0.00 | 26 |
| 2215 | 0.60 | 0.08 | 0.14 | 39 |
| 2216 | 0.50 | 0.11 | 0.18 | 28 |
| 2217 | 0.00 | 0.00 | 0.00 | 29 |
| | | | | |
| 2218 | 0.00 | 0.00 | 0.00 | 39 |
| 2219 | 0.00 | 0.00 | 0.00 | 26 |
| 2220 | 0.00 | 0.00 | 0.00 | 29 |
| 2221 | 1.00 | 0.41 | 0.58 | 22 |
| 2222 | 0.00 | 0.00 | 0.00 | 28 |
| 2223 | 1.00 | 0.08 | 0.15 | 37 |
| 2224 | 0.00 | 0.00 | 0.00 | 31 |
| | | | | |
| 2225 | 0.20 | 0.03 | 0.04 | 40 |
| 2226 | 1.00 | 0.18 | 0.31 | 33 |
| 2227 | 0.00 | 0.00 | 0.00 | 41 |
| 2228 | 0.00 | 0.00 | 0.00 | 33 |
| 2229 | 0.00 | 0.00 | 0.00 | 29 |
| 2230 | 0.00 | 0.00 | 0.00 | 34 |
| 2231 | 0.00 | 0.00 | 0.00 | 28 |
| 2232 | 0.86 | 0.23 | 0.36 | 26 |
| | | | | |
| 2233 | 0.00 | 0.00 | 0.00 | 27 |
| 2234 | 1.00 | 0.23 | 0.38 | 26 |
| 2235 | 1.00 | 0.39 | 0.57 | 33 |
| 2236 | 0.00 | 0.00 | 0.00 | 33 |
| 2237 | 0.64 | 0.19 | 0.30 | 36 |
| 2238 | 1.00 | 0.16 | 0.27 | 38 |
| | | | | |

| 2220 | 0 00 | 0 00 | 0 00 | 27 |
|------|------|------|------|----|
| 2239 | 0.00 | 0.00 | 0.00 | 27 |
| 2240 | 0.93 | 0.37 | 0.53 | 35 |
| 2241 | 0.00 | 0.00 | 0.00 | 41 |
| 2242 | 0.50 | 0.03 | 0.06 | 30 |
| 2243 | 0.00 | 0.00 | 0.00 | 29 |
| 2244 | 0.00 | 0.00 | 0.00 | 37 |
| 2245 | 0.50 | 0.15 | 0.24 | 39 |
| | 0.00 | | | 29 |
| 2246 | | 0.00 | 0.00 | |
| 2247 | 0.00 | 0.00 | 0.00 | 30 |
| 2248 | 0.00 | 0.00 | 0.00 | 37 |
| 2249 | 0.00 | 0.00 | 0.00 | 33 |
| 2250 | 0.50 | 0.04 | 0.07 | 27 |
| 2251 | 0.00 | 0.00 | 0.00 | 31 |
| 2252 | 0.00 | 0.00 | 0.00 | 27 |
| 2253 | 0.00 | 0.00 | 0.00 | 32 |
| | | | | |
| 2254 | 0.73 | 0.23 | 0.35 | 35 |
| 2255 | 0.00 | 0.00 | 0.00 | 37 |
| 2256 | 0.00 | 0.00 | 0.00 | 33 |
| 2257 | 0.82 | 0.45 | 0.58 | 20 |
| 2258 | 0.00 | 0.00 | 0.00 | 28 |
| 2259 | 0.43 | 0.13 | 0.20 | 23 |
| 2260 | 0.00 | 0.00 | 0.00 | 31 |
| 2261 | 1.00 | 0.10 | 0.19 | 29 |
| 2262 | 0.60 | 0.10 | | 26 |
| | | | 0.19 | |
| 2263 | 0.00 | 0.00 | 0.00 | 32 |
| 2264 | 0.00 | 0.00 | 0.00 | 35 |
| 2265 | 0.00 | 0.00 | 0.00 | 33 |
| 2266 | 0.67 | 0.23 | 0.34 | 35 |
| 2267 | 0.00 | 0.00 | 0.00 | 30 |
| 2268 | 0.50 | 0.05 | 0.08 | 22 |
| 2269 | 0.00 | 0.00 | 0.00 | 31 |
| | | | | |
| 2270 | 0.00 | 0.00 | 0.00 | 32 |
| 2271 | 0.00 | 0.00 | 0.00 | 28 |
| 2272 | 0.83 | 0.19 | 0.31 | 26 |
| 2273 | 0.00 | 0.00 | 0.00 | 27 |
| 2274 | 0.00 | 0.00 | 0.00 | 33 |
| 2275 | 0.00 | 0.00 | 0.00 | 33 |
| 2276 | 0.50 | 0.09 | 0.15 | 22 |
| 2277 | 0.00 | 0.00 | 0.00 | 33 |
| | 0.00 | | 0.00 | 36 |
| 2278 | | 0.00 | | |
| 2279 | 1.00 | 0.32 | 0.49 | 34 |
| 2280 | 0.00 | 0.00 | 0.00 | 24 |
| 2281 | 0.00 | 0.00 | 0.00 | 26 |
| 2282 | 0.40 | 0.09 | 0.15 | 22 |
| 2283 | 0.20 | 0.04 | 0.06 | 28 |
| 2284 | 0.00 | 0.00 | 0.00 | 43 |
| 2285 | 0.00 | 0.00 | 0.00 | 31 |
| 2286 | 0.00 | 0.00 | 0.00 | 30 |
| | | | | |
| 2287 | 0.00 | 0.00 | 0.00 | 32 |
| 2288 | 0.00 | 0.00 | 0.00 | 28 |
| 2289 | 0.88 | 0.19 | 0.31 | 37 |
| 2290 | 0.00 | 0.00 | 0.00 | 23 |
| 2291 | 0.00 | 0.00 | 0.00 | 33 |
| 2292 | 0.50 | 0.03 | 0.06 | 33 |
| 2293 | 0.00 | 0.00 | 0.00 | 29 |
| 2294 | 0.00 | 0.00 | 0.00 | 28 |
| 2295 | 0.00 | 0.00 | 0.00 | 29 |
| 2296 | | | | 24 |
| | 0.00 | 0.00 | 0.00 | |
| 2297 | 0.00 | 0.00 | 0.00 | 28 |
| 2298 | 1.00 | 0.15 | 0.27 | 26 |
| 2299 | 0.00 | 0.00 | 0.00 | 28 |
| 2300 | 1.00 | 0.10 | 0.18 | 31 |
| 2301 | 0.00 | 0.00 | 0.00 | 28 |
| 2302 | 0.00 | 0.00 | 0.00 | 34 |
| 2303 | 0.50 | 0.04 | 0.07 | 27 |
| 2304 | 0.00 | 0.00 | 0.00 | 31 |
| | | | | |
| 2305 | 0.00 | 0.00 | 0.00 | 38 |
| 2306 | 0.00 | 0.00 | 0.00 | 37 |
| 2307 | 0.83 | 0.36 | 0.50 | 28 |
| 2308 | 1.00 | 0.04 | 0.07 | 28 |
| 2309 | 0.00 | 0.00 | 0.00 | 26 |
| 2310 | 1.00 | 0.21 | 0.35 | 28 |
| 2311 | 0.00 | 0.00 | 0.00 | 29 |
| 2312 | 1.00 | 0.11 | 0.19 | 38 |
| 2313 | 0.50 | 0.04 | 0.07 | 25 |
| | | | | |
| 2314 | 1.00 | 0.05 | 0.09 | 22 |
| 2315 | 0.00 | 0.00 | 0.00 | 33 |
| | | | | |

| 2316 | 0.00 | 0.00 | 0.00 | 30 |
|------|------|------|------|----|
| 2317 | 0.00 | 0.00 | 0.00 | 37 |
| 2318 | 0.00 | 0.00 | 0.00 | 26 |
| 2319 | 0.20 | 0.05 | 0.08 | 21 |
| 2320 | 0.00 | 0.00 | 0.00 | 29 |
| | | | | |
| 2321 | 0.00 | 0.00 | 0.00 | 23 |
| 2322 | 0.00 | 0.00 | 0.00 | 33 |
| 2323 | 0.00 | 0.00 | 0.00 | 29 |
| 2324 | 0.00 | 0.00 | 0.00 | 29 |
| 2325 | 0.40 | 0.10 | 0.15 | 21 |
| 2326 | 0.00 | 0.00 | 0.00 | 36 |
| 2327 | 0.00 | 0.00 | 0.00 | 34 |
| 2328 | 0.00 | 0.00 | 0.00 | 25 |
| 2329 | 1.00 | 0.07 | 0.13 | 28 |
| 2330 | 0.00 | 0.00 | 0.00 | 30 |
| 2331 | 0.79 | 0.38 | 0.51 | 29 |
| 2332 | 0.00 | 0.00 | 0.00 | 32 |
| 2333 | 0.00 | 0.00 | 0.00 | 34 |
| 2334 | 0.50 | 0.03 | 0.06 | 30 |
| 2335 | 0.00 | 0.00 | 0.00 | 29 |
| 2336 | 1.00 | 0.03 | 0.06 | 30 |
| 2337 | 0.00 | 0.00 | 0.00 | 26 |
| 2338 | 0.92 | 0.40 | 0.56 | 30 |
| 2339 | 0.00 | 0.00 | 0.00 | 35 |
| 2340 | 0.00 | 0.00 | 0.00 | 26 |
| 2341 | 0.00 | 0.00 | 0.00 | 33 |
| 2342 | 1.00 | 0.15 | 0.27 | 39 |
| 2343 | 0.80 | 0.15 | 0.26 | 26 |
| 2344 | 0.00 | 0.00 | 0.00 | 39 |
| 2345 | 0.00 | 0.00 | 0.00 | 36 |
| | | | | |
| 2346 | 0.00 | 0.00 | 0.00 | 37 |
| 2347 | 0.00 | 0.00 | 0.00 | 18 |
| 2348 | 0.60 | 0.10 | 0.17 | 31 |
| 2349 | 0.50 | 0.05 | 0.09 | 20 |
| 2350 | 0.00 | 0.00 | 0.00 | 32 |
| 2351 | 0.00 | 0.00 | 0.00 | 32 |
| 2352 | 0.00 | 0.00 | 0.00 | 28 |
| 2353 | 0.00 | 0.00 | 0.00 | 22 |
| 2354 | 0.92 | 0.33 | 0.49 | 36 |
| 2355 | 0.67 | 0.06 | 0.11 | 33 |
| 2356 | 0.00 | 0.00 | 0.00 | 31 |
| 2357 | 0.60 | 0.09 | 0.16 | 32 |
| 2358 | 0.12 | 0.05 | 0.07 | 19 |
| 2359 | 0.00 | 0.00 | 0.00 | 29 |
| 2360 | 0.00 | 0.00 | 0.00 | 27 |
| 2361 | 0.00 | 0.00 | 0.00 | 25 |
| 2362 | 1.00 | 0.04 | 0.08 | 24 |
| 2363 | 0.00 | 0.00 | 0.00 | 35 |
| 2364 | 0.00 | 0.00 | 0.00 | 32 |
| 2365 | 0.00 | 0.00 | 0.00 | 39 |
| 2366 | 0.00 | 0.00 | 0.00 | 32 |
| 2367 | 0.00 | 0.00 | 0.00 | 31 |
| 2368 | 0.00 | 0.00 | 0.00 | 32 |
| 2369 | 0.00 | 0.00 | 0.00 | 29 |
| 2370 | 0.00 | 0.00 | 0.00 | 32 |
| 2371 | 0.00 | 0.00 | 0.00 | 31 |
| 2372 | 0.00 | 0.00 | 0.00 | 32 |
| 2373 | 0.67 | 0.06 | 0.12 | 31 |
| 2374 | 0.00 | 0.00 | 0.00 | 30 |
| 2375 | 0.00 | 0.00 | 0.00 | 20 |
| 2376 | 0.83 | 0.18 | 0.29 | 28 |
| 2377 | 0.00 | 0.00 | 0.00 | 35 |
| | | | | |
| 2378 | 0.00 | 0.00 | 0.00 | 24 |
| 2379 | 1.00 | 0.04 | 0.08 | 23 |
| 2380 | 0.00 | 0.00 | 0.00 | 31 |
| 2381 | 0.67 | 0.05 | 0.10 | 38 |
| 2382 | 0.00 | 0.00 | 0.00 | 26 |
| 2383 | 0.00 | 0.00 | 0.00 | 33 |
| 2384 | 0.00 | 0.00 | 0.00 | 36 |
| 2385 | 0.00 | 0.00 | 0.00 | 24 |
| 2386 | 0.54 | 0.33 | 0.41 | 21 |
| 2387 | 0.00 | 0.00 | 0.00 | 28 |
| 2388 | 0.00 | 0.00 | 0.00 | 22 |
| 2389 | 1.00 | 0.18 | 0.30 | 28 |
| 2390 | 0.88 | 0.20 | 0.33 | 35 |
| 2391 | 0.00 | 0.00 | 0.00 | 23 |
| 2392 | 0.00 | 0.00 | 0.00 | 27 |
| | | | | |

| 2393 | 0.00 | 0.00 | 0.00 | 24 |
|------|------|------|------|----|
| | | | | |
| 2394 | 1.00 | 0.43 | 0.61 | 23 |
| 2395 | 0.00 | 0.00 | 0.00 | 24 |
| 2396 | 1.00 | 0.03 | 0.06 | 31 |
| 2397 | 0.00 | 0.00 | 0.00 | 28 |
| 2398 | 0.00 | 0.00 | 0.00 | 35 |
| 2399 | 0.40 | 0.08 | 0.13 | 25 |
| 2400 | 0.00 | 0.00 | 0.00 | 33 |
| 2401 | 0.00 | 0.00 | 0.00 | 22 |
| 2402 | 0.25 | 0.03 | 0.05 | 36 |
| 2403 | 0.00 | 0.00 | 0.00 | 29 |
| 2404 | 0.50 | 0.08 | 0.13 | 26 |
| | 0.00 | 0.00 | | |
| 2405 | | | 0.00 | 26 |
| 2406 | 0.58 | 0.42 | 0.49 | 26 |
| 2407 | 1.00 | 0.04 | 0.07 | 26 |
| 2408 | 1.00 | 0.03 | 0.06 | 32 |
| 2409 | 0.00 | 0.00 | 0.00 | 29 |
| 2410 | 0.00 | 0.00 | 0.00 | 26 |
| 2411 | 0.00 | 0.00 | 0.00 | 30 |
| 2412 | 0.00 | 0.00 | 0.00 | 30 |
| 2413 | 0.00 | 0.00 | 0.00 | 29 |
| 2414 | 0.00 | 0.00 | 0.00 | 33 |
| 2415 | 0.00 | 0.00 | 0.00 | 22 |
| 2416 | 0.00 | 0.00 | 0.00 | 27 |
| 2417 | 0.50 | 0.09 | 0.15 | 22 |
| 2418 | 0.00 | 0.00 | 0.00 | 33 |
| 2419 | 1.00 | 0.03 | 0.07 | 29 |
| 2420 | 0.00 | 0.00 | 0.00 | 38 |
| 2421 | 0.00 | 0.00 | 0.00 | 28 |
| | | | | |
| 2422 | 0.00 | 0.00 | 0.00 | 25 |
| 2423 | 0.78 | 0.32 | 0.45 | 22 |
| 2424 | 0.50 | 0.03 | 0.05 | 35 |
| 2425 | 1.00 | 0.11 | 0.19 | 28 |
| 2426 | 0.50 | 0.03 | 0.06 | 34 |
| 2427 | 0.00 | 0.00 | 0.00 | 23 |
| 2428 | 0.00 | 0.00 | 0.00 | 30 |
| 2429 | 0.00 | 0.00 | 0.00 | 21 |
| 2430 | 0.00 | 0.00 | 0.00 | 26 |
| 2431 | 0.50 | 0.04 | 0.08 | 23 |
| 2432 | 0.00 | 0.00 | 0.00 | 33 |
| 2433 | 0.00 | 0.00 | 0.00 | 26 |
| 2434 | 0.78 | 0.48 | 0.60 | 29 |
| 2435 | 0.00 | 0.00 | 0.00 | 29 |
| 2436 | 0.00 | 0.00 | 0.00 | 29 |
| 2437 | 0.00 | 0.00 | 0.00 | 27 |
| 2438 | 0.00 | 0.00 | 0.00 | 26 |
| 2439 | 0.00 | 0.00 | 0.00 | 27 |
| 2440 | 0.00 | 0.00 | 0.00 | 28 |
| 2441 | 1.00 | 0.33 | 0.50 | 30 |
| 2442 | 0.00 | 0.00 | 0.00 | 26 |
| 2443 | 0.00 | 0.00 | 0.00 | 27 |
| 2444 | 0.00 | 0.00 | 0.00 | 30 |
| 2445 | 1.00 | 0.42 | 0.59 | 24 |
| 2445 | 0.00 | 0.00 | 0.00 | 21 |
| 2447 | 0.80 | 0.13 | 0.22 | 31 |
| | | | | |
| 2448 | 1.00 | 0.04 | 0.08 | 23 |
| 2449 | 0.00 | 0.00 | 0.00 | 34 |
| 2450 | 0.00 | 0.00 | 0.00 | 33 |
| 2451 | 0.00 | 0.00 | 0.00 | 27 |
| 2452 | 1.00 | 0.07 | 0.13 | 29 |
| 2453 | 0.75 | 0.10 | 0.18 | 29 |
| 2454 | 0.00 | 0.00 | 0.00 | 28 |
| 2455 | 0.17 | 0.04 | 0.06 | 27 |
| 2456 | 0.00 | 0.00 | 0.00 | 25 |
| 2457 | 0.00 | 0.00 | 0.00 | 26 |
| 2458 | 0.71 | 0.16 | 0.26 | 31 |
| 2459 | 0.00 | 0.00 | 0.00 | 31 |
| 2460 | 0.00 | 0.00 | 0.00 | 30 |
| 2461 | 1.00 | 0.18 | 0.30 | 28 |
| 2462 | 0.67 | 0.07 | 0.12 | 30 |
| 2463 | 0.00 | 0.00 | 0.00 | 33 |
| 2464 | 0.00 | 0.00 | 0.00 | 29 |
| 2465 | 0.00 | 0.00 | 0.00 | 19 |
| 2466 | 0.00 | 0.00 | 0.00 | 25 |
| 2467 | 0.00 | 0.00 | 0.00 | 32 |
| 2468 | 0.00 | 0.00 | 0.00 | 29 |
| 2469 | 0.00 | 0.00 | 0.00 | 23 |
| | | | | |

| 2470 | 0.92 | 0.41 | 0.56 | 27 |
|------|------|------|------|----|
| 2470 | | | | |
| 2471 | 0.00 | 0.00 | 0.00 | 19 |
| 2472 | 0.00 | 0.00 | 0.00 | 25 |
| 2473 | 0.00 | 0.00 | 0.00 | 31 |
| 2474 | 0.00 | 0.00 | 0.00 | 27 |
| 2475 | 0.00 | 0.00 | 0.00 | 25 |
| 2476 | 0.92 | 0.37 | 0.52 | 30 |
| 2477 | 0.00 | 0.00 | 0.00 | |
| | | | | 32 |
| 2478 | 0.67 | 0.07 | 0.13 | 28 |
| 2479 | 0.00 | 0.00 | 0.00 | 32 |
| 2480 | 0.00 | 0.00 | 0.00 | 36 |
| 2481 | 0.00 | 0.00 | 0.00 | 30 |
| 2482 | 0.00 | 0.00 | 0.00 | 23 |
| 2483 | 0.00 | 0.00 | 0.00 | 29 |
| 2484 | 0.62 | 0.22 | 0.32 | 23 |
| 2485 | 0.00 | 0.00 | | 20 |
| | | | 0.00 | |
| 2486 | 0.00 | 0.00 | 0.00 | 24 |
| 2487 | 0.00 | 0.00 | 0.00 | 26 |
| 2488 | 0.00 | 0.00 | 0.00 | 27 |
| 2489 | 1.00 | 0.03 | 0.06 | 32 |
| 2490 | 0.00 | 0.00 | 0.00 | 32 |
| 2491 | 0.00 | 0.00 | 0.00 | 24 |
| 2492 | 0.50 | 0.19 | 0.27 | 27 |
| 2493 | 0.00 | 0.00 | 0.00 | 26 |
| | | | | |
| 2494 | 0.00 | 0.00 | 0.00 | 24 |
| 2495 | 0.00 | 0.00 | 0.00 | 28 |
| 2496 | 0.00 | 0.00 | 0.00 | 20 |
| 2497 | 0.50 | 0.03 | 0.06 | 29 |
| 2498 | 1.00 | 0.18 | 0.30 | 34 |
| 2499 | 0.92 | 0.44 | 0.59 | 25 |
| 2500 | 0.00 | 0.00 | 0.00 | 30 |
| | | | | |
| 2501 | 0.00 | 0.00 | 0.00 | 27 |
| 2502 | 0.50 | 0.14 | 0.22 | 28 |
| 2503 | 0.00 | 0.00 | 0.00 | 22 |
| 2504 | 0.00 | 0.00 | 0.00 | 26 |
| 2505 | 0.00 | 0.00 | 0.00 | 28 |
| 2506 | 0.33 | 0.04 | 0.08 | 23 |
| 2507 | 0.00 | 0.00 | 0.00 | 17 |
| 2508 | 0.00 | 0.00 | 0.00 | 25 |
| | | | | |
| 2509 | 0.00 | 0.00 | 0.00 | 34 |
| 2510 | 0.00 | 0.00 | 0.00 | 24 |
| 2511 | 0.40 | 0.11 | 0.17 | 19 |
| 2512 | 0.00 | 0.00 | 0.00 | 27 |
| 2513 | 0.00 | 0.00 | 0.00 | 30 |
| 2514 | 0.75 | 0.12 | 0.21 | 24 |
| 2515 | 0.00 | 0.00 | 0.00 | 26 |
| 2516 | 0.00 | 0.00 | 0.00 | 18 |
| 2517 | 0.00 | | 0.00 | |
| | | 0.00 | | 36 |
| 2518 | 1.00 | 0.03 | 0.06 | 30 |
| 2519 | 0.00 | 0.00 | 0.00 | 31 |
| 2520 | 0.00 | 0.00 | 0.00 | 33 |
| 2521 | 1.00 | 0.33 | 0.50 | 21 |
| 2522 | 0.00 | 0.00 | 0.00 | 12 |
| 2523 | 0.00 | 0.00 | 0.00 | 27 |
| 2524 | 0.89 | 0.35 | 0.50 | 23 |
| 2525 | 0.00 | 0.00 | 0.00 | 31 |
| 2526 | 0.00 | 0.00 | 0.00 | 35 |
| | | | | |
| 2527 | 0.00 | 0.00 | 0.00 | 30 |
| 2528 | 0.00 | 0.00 | 0.00 | 24 |
| 2529 | 0.87 | 0.33 | 0.47 | 40 |
| 2530 | 0.25 | 0.03 | 0.05 | 33 |
| 2531 | 0.00 | 0.00 | 0.00 | 17 |
| 2532 | 0.00 | 0.00 | 0.00 | 29 |
| 2533 | 0.00 | 0.00 | 0.00 | 24 |
| 2534 | 1.00 | 0.07 | 0.13 | 28 |
| | | | 0.13 | |
| 2535 | 0.00 | 0.00 | | 26 |
| 2536 | 0.00 | 0.00 | 0.00 | 26 |
| 2537 | 0.00 | 0.00 | 0.00 | 31 |
| 2538 | 0.00 | 0.00 | 0.00 | 28 |
| 2539 | 0.00 | 0.00 | 0.00 | 18 |
| 2540 | 0.67 | 0.20 | 0.31 | 30 |
| 2541 | 1.00 | 0.07 | 0.13 | 29 |
| 2542 | 0.00 | 0.00 | 0.00 | 23 |
| 2542 | 0.75 | 0.09 | 0.17 | 32 |
| | | | | |
| 2544 | 1.00 | 0.19 | 0.31 | 27 |
| 2545 | 1.00 | 0.08 | 0.15 | 38 |
| 2546 | 1.00 | 0.04 | 0.07 | 26 |
| | | | | |

| 25 | 47 | 0.00 | 0.00 | 0.00 | 31 |
|----|-----|------|------|------|----|
| | 48 | 0.00 | 0.00 | 0.00 | 27 |
| | 49 | 0.00 | 0.00 | 0.00 | 31 |
| | 50 | 0.67 | 0.08 | 0.14 | 26 |
| | 51 | 0.45 | 0.24 | 0.14 | 21 |
| | | 0.00 | | 0.00 | |
| | 52 | | 0.00 | | 28 |
| | 53 | 0.00 | 0.00 | 0.00 | 31 |
| | 54 | 0.67 | 0.11 | 0.18 | 19 |
| | 55 | 1.00 | 0.17 | 0.30 | 23 |
| | 56 | 0.60 | 0.39 | 0.47 | 23 |
| | 57 | 0.00 | 0.00 | 0.00 | 19 |
| | 58 | 0.00 | 0.00 | 0.00 | 23 |
| | 59 | 0.00 | 0.00 | 0.00 | 26 |
| | 60 | 0.00 | 0.00 | 0.00 | 20 |
| | 61 | 0.14 | 0.06 | 0.08 | 17 |
| | 62 | 1.00 | 0.10 | 0.18 | 20 |
| | 63 | 0.80 | 0.16 | 0.27 | 25 |
| | 64 | 0.00 | 0.00 | 0.00 | 21 |
| | 65 | 0.00 | 0.00 | 0.00 | 28 |
| | 66 | 0.00 | 0.00 | 0.00 | 26 |
| | 67 | 0.00 | 0.00 | 0.00 | 30 |
| | 68 | 0.00 | 0.00 | 0.00 | 37 |
| | 69 | 0.75 | 0.27 | 0.40 | 22 |
| | 70 | 1.00 | 0.12 | 0.22 | 24 |
| | 71 | 0.00 | 0.00 | 0.00 | 20 |
| | 72 | 0.00 | 0.00 | 0.00 | 26 |
| | 73 | 1.00 | 0.07 | 0.12 | 30 |
| | 74 | 0.00 | 0.00 | 0.00 | 29 |
| | 75 | 0.00 | 0.00 | 0.00 | 28 |
| | 76 | 0.00 | 0.00 | 0.00 | 22 |
| 25 | 77 | 0.00 | 0.00 | 0.00 | 25 |
| 25 | 78 | 0.00 | 0.00 | 0.00 | 24 |
| 25 | 79 | 0.00 | 0.00 | 0.00 | 29 |
| 25 | 80 | 0.00 | 0.00 | 0.00 | 27 |
| | 81 | 0.00 | 0.00 | 0.00 | 29 |
| 25 | 82 | 0.00 | 0.00 | 0.00 | 21 |
| 25 | 83 | 1.00 | 0.13 | 0.23 | 23 |
| 25 | 84 | 0.00 | 0.00 | 0.00 | 27 |
| | 85 | 0.86 | 0.70 | 0.78 | 27 |
| 25 | 86 | 0.00 | 0.00 | 0.00 | 25 |
| 25 | 87 | 1.00 | 0.21 | 0.34 | 29 |
| | 88 | 0.00 | 0.00 | 0.00 | 20 |
| | 89 | 0.00 | 0.00 | 0.00 | 28 |
| | 90 | 0.00 | 0.00 | 0.00 | 28 |
| | 91 | 0.00 | 0.00 | 0.00 | 29 |
| | 92 | 1.00 | 0.05 | 0.10 | 20 |
| | 93 | 0.00 | 0.00 | 0.00 | 31 |
| | 94 | 0.00 | 0.00 | 0.00 | 19 |
| | 95 | 0.00 | 0.00 | 0.00 | 31 |
| | 96 | 0.00 | 0.00 | 0.00 | 28 |
| | 97 | 0.67 | 0.06 | 0.11 | 32 |
| | 98 | 0.60 | 0.10 | 0.18 | 29 |
| | 99 | 0.00 | 0.00 | 0.00 | 20 |
| | 00 | 0.00 | 0.00 | 0.00 | 18 |
| | 01 | 0.00 | 0.00 | 0.00 | 14 |
| | 102 | 0.00 | 0.00 | 0.00 | 29 |
| | 103 | 0.25 | 0.04 | 0.07 | 26 |
| | 04 | 0.00 | 0.00 | 0.00 | 25 |
| | 05 | 0.00 | 0.00 | 0.00 | 23 |
| | 06 | 1.00 | 0.05 | 0.09 | 22 |
| | 107 | 0.00 | 0.00 | 0.00 | 25 |
| | 108 | 1.00 | 0.04 | 0.08 | 25 |
| | 109 | 0.00 | 0.00 | 0.00 | 30 |
| | 10 | 0.00 | 0.00 | 0.00 | 26 |
| | 11 | 0.00 | 0.00 | 0.00 | 26 |
| | 12 | 0.00 | 0.00 | 0.00 | 30 |
| | 13 | 0.00 | 0.00 | 0.00 | 28 |
| | 14 | 0.00 | 0.00 | 0.00 | 28 |
| | 15 | 0.00 | 0.00 | 0.00 | 32 |
| | 16 | 0.00 | 0.00 | 0.00 | 23 |
| | 17 | 0.00 | 0.00 | 0.00 | 21 |
| | 18 | 0.00 | 0.00 | 0.00 | 26 |
| | 19 | 0.00 | 0.00 | 0.00 | 29 |
| | 20 | 0.86 | 0.32 | 0.46 | 19 |
| | 21 | 0.00 | 0.00 | 0.00 | 28 |
| | 22 | 0.00 | 0.00 | 0.00 | 23 |
| ∠6 | 23 | 0.00 | 0.00 | 0.00 | 26 |
| | | | | | |

| 2624 | 0.00 | 0.00 | 0.00 | 24 |
|------|------|------|------|----------|
| 2625 | 0.00 | 0.00 | 0.00 | 24 |
| 2626 | 0.00 | 0.00 | 0.00 | 30 |
| 2627 | 0.00 | 0.00 | | 28 |
| | | | 0.00 | |
| 2628 | 0.83 | 0.29 | 0.43 | 17 |
| 2629 | 0.00 | 0.00 | 0.00 | 31 |
| 2630 | 0.00 | 0.00 | 0.00 | 30 |
| 2631 | 0.00 | 0.00 | 0.00 | 33 |
| 2632 | 0.00 | 0.00 | 0.00 | 31 |
| 2633 | 0.86 | 0.16 | 0.27 | 37 |
| 2634 | 0.00 | 0.00 | 0.00 | 21 |
| 2635 | 0.00 | 0.00 | 0.00 | 30 |
| 2636 | 0.00 | 0.00 | 0.00 | 22 |
| 2637 | 0.00 | 0.00 | 0.00 | 24 |
| 2638 | 0.00 | 0.00 | 0.00 | 29 |
| 2639 | 0.00 | 0.00 | 0.00 | 29 |
| 2640 | 0.00 | 0.00 | 0.00 | 20 |
| 2641 | 0.00 | 0.00 | 0.00 | 27 |
| 2642 | 0.00 | 0.00 | 0.00 | 28 |
| 2643 | 0.00 | 0.00 | 0.00 | 29 |
| 2644 | 0.89 | 0.31 | 0.46 | 26 |
| 2645 | 0.00 | 0.00 | 0.00 | 22 |
| 2646 | 0.00 | 0.00 | 0.00 | 20 |
| 2647 | 0.67 | 0.07 | 0.13 | 27 |
| 2648 | 0.00 | 0.00 | 0.00 | 30 |
| 2649 | 0.00 | 0.00 | 0.00 | 19 |
| 2650 | 0.00 | 0.00 | 0.00 | 15 |
| 2651 | 0.00 | 0.00 | 0.00 | 32 |
| 2652 | 0.00 | 0.00 | | 19 |
| | | | 0.00 | |
| 2653 | 0.00 | 0.00 | 0.00 | 28 |
| 2654 | 1.00 | 0.35 | 0.52 | 23 |
| 2655 | 0.00 | 0.00 | 0.00 | 27 |
| 2656 | 0.00 | 0.00 | 0.00 | 26 |
| 2657 | 0.00 | 0.00 | 0.00 | 31 |
| 2658 | 0.00 | 0.00 | 0.00 | 21 |
| 2659 | 0.50 | 0.04 | 0.07 | 28 |
| 2660 | 0.00 | 0.00 | 0.00 | 24 |
| 2661 | 0.00 | 0.00 | 0.00 | 18 |
| 2662 | 0.83 | 0.19 | 0.31 | 26 |
| 2663 | 0.00 | 0.00 | 0.00 | 26 |
| 2664 | 0.00 | 0.00 | 0.00 | 28 |
| 2665 | 0.00 | 0.00 | 0.00 | 22 |
| 2666 | 0.67 | 0.07 | 0.13 | 28 |
| 2667 | 0.00 | 0.00 | 0.00 | 31 |
| 2668 | 0.00 | 0.00 | 0.00 | 18 |
| 2669 | 0.00 | 0.00 | 0.00 | 32 |
| 2670 | 0.00 | 0.00 | 0.00 | 24 |
| 2671 | 0.00 | 0.00 | 0.00 | 22 |
| 2672 | 0.00 | 0.00 | 0.00 | 23 |
| 2673 | 0.93 | 0.56 | 0.70 | 25 |
| 2674 | 0.50 | 0.04 | 0.07 | 2.6 |
| 2675 | 1.00 | 0.13 | 0.23 | 23 |
| 2676 | 0.00 | 0.00 | 0.00 | 23 |
| 2677 | 0.00 | 0.00 | 0.00 | 24 |
| 2678 | 0.00 | 0.00 | 0.00 | 26 |
| 2679 | 0.00 | 0.00 | 0.00 | 19 |
| 2680 | 0.00 | 0.00 | 0.00 | 19 |
| 2681 | 0.00 | 0.00 | 0.00 | 21 |
| 2682 | 0.89 | 0.27 | 0.41 | 30 |
| 2683 | 0.00 | 0.00 | 0.00 | 28 |
| 2684 | 0.00 | 0.00 | 0.00 | 26 |
| 2685 | 0.00 | 0.00 | 0.00 | 23 |
| 2686 | 0.50 | 0.11 | 0.18 | |
| 2687 | 0.00 | 0.00 | 0.00 | 28 21 |
| | | | | |
| 2688 | 0.00 | 0.00 | 0.00 | 32 |
| 2689 | 0.00 | 0.00 | 0.00 | 27 |
| 2690 | 1.00 | 0.17 | 0.30 | 23 |
| 2691 | 0.00 | 0.00 | 0.00 | 23 |
| 2692 | 0.00 | 0.00 | 0.00 | 24 |
| 2693 | 0.00 | 0.00 | 0.00 | 24 |
| 2694 | 0.00 | 0.00 | 0.00 | 20 |
| 2695 | 0.00 | 0.00 | 0.00 | 29 |
| 2696 | 0.00 | 0.00 | 0.00 | 20 |
| 2697 | 0.80 | 0.15 | 0.26 | 26 |
| 2698 | 0.00 | 0.00 | 0.00 | 30 |
| 2699 | 0.00 | 0.00 | 0.00 | 20 |
| 2700 | 0.00 | 0.00 | 0.00 | 25 |
| | | | | |

| 2701 | 1.00 | 0.04 | 0.08 | 23 |
|-------|------|------|------|-----|
| 2702 | 0.00 | 0.00 | 0.00 | 24 |
| 2703 | 0.40 | 0.08 | 0.14 | 24 |
| 2704 | 0.00 | 0.00 | 0.00 | 29 |
| 2705 | 0.00 | 0.00 | 0.00 | 36 |
| 2706 | 0.20 | 0.03 | 0.06 | 29 |
| 2707 | 0.00 | 0.00 | 0.00 | 25 |
| 2708 | 0.00 | 0.00 | 0.00 | 21 |
| 2709 | 0.67 | 0.07 | 0.13 | 28 |
| 2710 | 0.00 | 0.00 | 0.00 | 14 |
| 2711 | 0.00 | 0.00 | 0.00 | 28 |
| 2712 | 0.00 | 0.00 | 0.00 | 21 |
| 2713 | 0.00 | 0.00 | 0.00 | 33 |
| 2714 | 0.00 | 0.00 | 0.00 | 21 |
| 2715 | 0.50 | 0.04 | 0.08 | 23 |
| 2716 | 0.00 | 0.00 | 0.00 | 26 |
| 2717 | 0.00 | 0.00 | 0.00 | 22 |
| 2718 | 0.50 | 0.07 | 0.12 | 30 |
| 2719 | 0.00 | 0.00 | 0.00 | 25 |
| 2720 | | | 0.00 | 25 |
| | 0.00 | 0.00 | | |
| 2721 | 0.00 | | 0.00 | 23 |
| 2722 | 0.00 | 0.00 | 0.00 | 20 |
| 2723 | 0.00 | 0.00 | 0.00 | 29 |
| 2724 | 0.00 | 0.00 | 0.00 | 20 |
| 2725 | 0.78 | 0.33 | 0.47 | 21 |
| 2726 | 0.00 | 0.00 | 0.00 | 25 |
| 2727 | 0.00 | 0.00 | 0.00 | 27 |
| 2728 | 0.00 | 0.00 | 0.00 | 24 |
| 2729 | 1.00 | 0.33 | 0.50 | 15 |
| 2730 | 0.00 | 0.00 | 0.00 | 26 |
| 2731 | 0.00 | 0.00 | 0.00 | 28 |
| 2732 | 0.00 | 0.00 | 0.00 | 30 |
| 2733 | 0.00 | 0.00 | 0.00 | 35 |
| 2734 | 0.80 | 0.17 | 0.28 | 24 |
| 2735 | 0.00 | 0.00 | 0.00 | 17 |
| 2736 | 0.50 | 0.19 | 0.28 | 26 |
| 2737 | 0.00 | 0.00 | 0.00 | 22 |
| 2738 | 0.00 | 0.00 | 0.00 | 33 |
| 2739 | 0.00 | 0.00 | 0.00 | 29 |
| 2740 | 0.00 | 0.00 | 0.00 | 28 |
| 2741 | 1.00 | 0.33 | 0.50 | 27 |
| 2742 | 1.00 | 0.52 | 0.69 | 23 |
| 2743 | 0.00 | 0.00 | 0.00 | 23 |
| 2744 | 0.00 | 0.00 | 0.00 | 20 |
| 2745 | 0.00 | 0.00 | 0.00 | 28 |
| 2746 | 0.00 | 0.00 | 0.00 | 25 |
| 2747 | 0.00 | 0.00 | 0.00 | 22 |
| 2748 | 0.00 | 0.00 | 0.00 | 24 |
| 2749 | 0.00 | 0.00 | 0.00 | 28 |
| 2750 | 1.00 | 0.10 | 0.19 | 29 |
| 2751 | 0.00 | 0.00 | 0.00 | 25 |
| 2752 | 0.00 | 0.00 | 0.00 | 23 |
| 2753 | 0.00 | 0.00 | 0.00 | 30 |
| 2754 | 0.00 | 0.00 | 0.00 | 20 |
| 2755 | 0.00 | 0.00 | 0.00 | 23 |
| 2756 | 0.00 | 0.00 | 0.00 | 26 |
| 2757 | 1.00 | 0.06 | 0.11 | 18 |
| | | | | |
| 2758 | 0.80 | 0.22 | 0.35 | 18 |
| 2759 | 0.00 | 0.00 | 0.00 | 23 |
| 2760 | 0.00 | 0.00 | 0.00 | 30 |
| 2761 | 0.00 | 0.00 | 0.00 | 18 |
| 2762 | 0.00 | 0.00 | 0.00 | 21 |
| 2763 | 0.00 | 0.00 | 0.00 | 20 |
| 2764 | 0.00 | 0.00 | 0.00 | 17 |
| 2765 | 0.00 | 0.00 | 0.00 | 28 |
| 2766 | 1.00 | 0.06 | 0.11 | 18 |
| 2767 | 0.00 | 0.00 | 0.00 | 24 |
| 2768 | 1.00 | 0.25 | 0.40 | 24 |
| 2769 | 0.00 | 0.00 | 0.00 | 23 |
| 2770 | 0.00 | 0.00 | 0.00 | 19 |
| 2771 | 0.00 | 0.00 | 0.00 | 23 |
| 2772 | 1.00 | 0.11 | 0.19 | 19 |
| 2773 | 0.00 | 0.00 | 0.00 | 19 |
| 2774 | 1.00 | 0.24 | 0.38 | 21 |
| 2775 | 0.00 | 0.00 | 0.00 | 19 |
| 2776 | 0.00 | 0.00 | 0.00 | 23 |
| 2.777 | 0.00 | 0.00 | 0.00 | 2.9 |
| | | | | |

| | | · • · · | | |
|------|------|---------|--------------|----|
| 2778 | 0.00 | 0.00 | 0.00 | 21 |
| 2779 | 0.00 | 0.00 | 0.00 | 20 |
| 2780 | 0.00 | 0.00 | 0.00 | 23 |
| 2781 | 0.00 | 0.00 | 0.00 | 26 |
| 2782 | 0.00 | 0.00 | 0.00 | 31 |
| 2783 | 0.00 | 0.00 | 0.00 | 24 |
| 2784 | 0.00 | 0.00 | 0.00 | 23 |
| 2785 | 0.00 | 0.00 | 0.00 | 17 |
| 2786 | 0.00 | 0.00 | 0.00 | 26 |
| 2787 | 0.00 | 0.00 | 0.00 | 27 |
| 2788 | 0.71 | 0.20 | 0.31 | 25 |
| 2789 | 0.00 | 0.00 | 0.00 | 21 |
| 2790 | 0.00 | 0.00 | 0.00 | 23 |
| 2791 | 0.00 | 0.00 | 0.00 | 29 |
| 2792 | 0.00 | 0.00 | 0.00 | 35 |
| 2793 | 0.00 | 0.00 | 0.00 | 18 |
| 2794 | 0.00 | 0.00 | 0.00 | 17 |
| 2795 | 0.00 | 0.00 | 0.00 | 21 |
| 2796 | 0.00 | 0.00 | 0.00 | 19 |
| 2797 | 1.00 | 0.05 | 0.09 | 21 |
| 2798 | 0.00 | 0.00 | 0.00 | 17 |
| 2799 | 0.00 | 0.00 | 0.00 | 22 |
| 2800 | 1.00 | 0.04 | 0.08 | 24 |
| 2801 | 0.50 | | | 19 |
| | 0.00 | 0.11 | 0.17 0.00 | |
| 2802 | | | | 23 |
| 2803 | 0.00 | 0.00 | 0.00 | 17 |
| 2804 | 0.00 | 0.00 | 0.00 | 23 |
| 2805 | 0.00 | 0.00 | 0.00 | 22 |
| 2806 | 0.00 | 0.00 | 0.00 | 24 |
| 2807 | 0.00 | 0.00 | 0.00 | 18 |
| 2808 | 1.00 | 0.04 | 0.08 | 24 |
| 2809 | 1.00 | 0.04 | 0.08 | 24 |
| 2810 | 0.00 | 0.00 | 0.00 | 20 |
| 2811 | 0.00 | 0.00 | 0.00 | 20 |
| 2812 | 0.00 | 0.00 | 0.00 | 23 |
| 2813 | 0.00 | 0.00 | 0.00 | 24 |
| 2814 | 0.00 | 0.00 | 0.00 | 17 |
| 2815 | 0.00 | 0.00 | 0.00 | 26 |
| 2816 | 0.00 | 0.00 | 0.00 | 16 |
| 2817 | 0.00 | 0.00 | 0.00 | 23 |
| 2818 | 0.00 | 0.00 | 0.00 | 26 |
| 2819 | 0.25 | 0.07 | 0.11 | 14 |
| 2820 | 0.00 | 0.00 | 0.00 | 22 |
| 2821 | 1.00 | 0.10 | 0.17 | 21 |
| 2822 | 0.00 | 0.00 | 0.00 | 24 |
| 2823 | 0.00 | 0.00 | 0.00 | 18 |
| 2824 | 0.00 | 0.00 | 0.00 | 26 |
| 2825 | 0.00 | 0.00 | 0.00 | 18 |
| 2826 | 0.75 | 0.15 | 0.25 | 20 |
| 2827 | 0.00 | 0.00 | 0.00 | 17 |
| 2828 | 0.00 | 0.00 | 0.00 | 25 |
| 2829 | 1.00 | 0.04 | 0.07 | 28 |
| 2830 | 0.00 | 0.00 | 0.00 | 19 |
| 2831 | 0.00 | 0.00 | 0.00 | 25 |
| 2832 | 0.00 | 0.00 | 0.00 | 20 |
| 2833 | 0.00 | 0.00 | 0.00 | 21 |
| 2834 | 0.00 | 0.00 | 0.00 | 25 |
| 2835 | 1.00 | 0.17 | 0.29 | 18 |
| 2836 | 0.00 | 0.00 | 0.29 | 26 |
| | | | | |
| 2837 | 0.00 | 0.00 | 0.00 | 31 |
| 2838 | 1.00 | 0.08 | 0.15 | 24 |
| 2839 | 0.00 | 0.00 | 0.00 | 21 |
| 2840 | 0.00 | 0.00 | 0.00 | 20 |
| 2841 | 0.00 | 0.00 | 0.00 | 28 |
| 2842 | 1.00 | 0.23 | 0.37 | 35 |
| 2843 | 1.00 | 0.16 | 0.27 | 19 |
| 2844 | 0.00 | 0.00 | 0.00 | 24 |
| 2845 | 0.00 | 0.00 | 0.00 | 21 |
| 2846 | 1.00 | 0.08 | 0.15 | 25 |
| 2847 | 0.00 | 0.00 | 0.00 | 23 |
| 2848 | 0.00 | 0.00 | 0.00 | 26 |
| 2849 | 0.00 | 0.00 | 0.00 | 30 |
| 2850 | 0.00 | 0.00 | 0.00 | 31 |
| 2851 | 1.00 | 0.16 | 0.27 | 19 |
| 2852 | 0.00 | 0.00 | 0.00 | 29 |
| 2853 | 0.00 | 0.00 | 0.00 | 27 |
| 2854 | 0.00 | 0 - 00 | 0.00 | 22 |
| | | | | |

| 2001 | 0.00 | U. UU | U. UU | |
|------|------|-------|-------|-----|
| 2855 | 0.00 | 0.00 | 0.00 | 27 |
| 2856 | 0.00 | 0.00 | 0.00 | 18 |
| 2857 | 0.00 | 0.00 | 0.00 | 18 |
| 2858 | 0.00 | 0.00 | 0.00 | 22 |
| 2859 | 0.00 | 0.00 | 0.00 | 19 |
| 2860 | 0.00 | 0.00 | 0.00 | 22 |
| 2861 | 0.00 | 0.00 | 0.00 | 21 |
| 2862 | 0.00 | 0.00 | 0.00 | 23 |
| | | | | 24 |
| 2863 | 0.00 | 0.00 | 0.00 | |
| 2864 | 0.00 | 0.00 | 0.00 | 28 |
| 2865 | 0.00 | 0.00 | 0.00 | 18 |
| 2866 | 0.67 | 0.27 | 0.39 | 22 |
| 2867 | 0.00 | 0.00 | 0.00 | 28 |
| 2868 | 0.00 | 0.00 | 0.00 | 27 |
| 2869 | 0.00 | 0.00 | 0.00 | 24 |
| 2870 | 0.00 | 0.00 | 0.00 | 21 |
| 2871 | 0.00 | 0.00 | 0.00 | 22 |
| 2872 | 0.00 | 0.00 | 0.00 | 21 |
| 2873 | 0.00 | 0.00 | 0.00 | 26 |
| 2874 | 0.00 | 0.00 | 0.00 | 25 |
| 2875 | 1.00 | 0.05 | 0.09 | 21 |
| 2876 | 0.00 | 0.00 | 0.00 | 25 |
| 2877 | 0.00 | 0.00 | 0.00 | 22 |
| 2878 | 0.80 | 0.19 | 0.31 | 21 |
| 2879 | 1.00 | 0.11 | 0.20 | 27 |
| 2880 | 1.00 | 0.04 | 0.08 | 24 |
| | | | | |
| 2881 | 0.00 | 0.00 | 0.00 | 26 |
| 2882 | 0.00 | 0.00 | 0.00 | 29 |
| 2883 | 0.00 | 0.00 | 0.00 | 26 |
| 2884 | 0.00 | 0.00 | 0.00 | 25 |
| 2885 | 0.33 | 0.05 | 0.09 | 19 |
| 2886 | 0.83 | 0.26 | 0.40 | 19 |
| 2887 | 0.00 | 0.00 | 0.00 | 18 |
| 2888 | 0.00 | 0.00 | 0.00 | 22 |
| 2889 | 0.00 | 0.00 | 0.00 | 20 |
| 2890 | 0.00 | 0.00 | 0.00 | 28 |
| 2891 | 0.00 | 0.00 | 0.00 | 34 |
| 2892 | 0.00 | 0.00 | 0.00 | 18 |
| 2893 | 0.00 | 0.00 | 0.00 | 26 |
| 2894 | 0.00 | 0.00 | 0.00 | 19 |
| 2895 | 0.00 | 0.00 | 0.00 | 26 |
| 2896 | 0.00 | 0.00 | 0.00 | 17 |
| | | 0.00 | | 25 |
| 2897 | 0.00 | | 0.00 | |
| 2898 | 0.00 | 0.00 | 0.00 | 19 |
| 2899 | 0.00 | 0.00 | 0.00 | 19 |
| 2900 | 0.00 | 0.00 | 0.00 | 28 |
| 2901 | 0.00 | 0.00 | 0.00 | 27 |
| 2902 | 0.00 | 0.00 | 0.00 | 19 |
| 2903 | 0.00 | 0.00 | 0.00 | 26 |
| 2904 | 0.00 | 0.00 | 0.00 | 21 |
| 2905 | 1.00 | 0.16 | 0.27 | 19 |
| 2906 | 0.00 | 0.00 | 0.00 | 19 |
| 2907 | 1.00 | 0.20 | 0.33 | 20 |
| 2908 | 0.00 | 0.00 | 0.00 | 19 |
| 2909 | 0.00 | 0.00 | 0.00 | 23 |
| 2910 | 0.00 | 0.00 | 0.00 | 20 |
| 2911 | 0.00 | 0.00 | 0.00 | 24 |
| 2912 | 1.00 | 0.05 | 0.09 | 22 |
| 2913 | 0.00 | 0.00 | 0.00 | 21 |
| 2914 | 0.00 | 0.00 | 0.00 | 28 |
| 2915 | 0.00 | 0.00 | 0.00 | 20 |
| | | | | |
| 2916 | 0.00 | 0.00 | 0.00 | 24 |
| 2917 | 0.00 | 0.00 | 0.00 | 23 |
| 2918 | 1.00 | 0.04 | 0.08 | 25 |
| 2919 | 0.00 | 0.00 | 0.00 | 18 |
| 2920 | 1.00 | 0.14 | 0.25 | 21 |
| 2921 | 0.00 | 0.00 | 0.00 | 28 |
| 2922 | 0.00 | 0.00 | 0.00 | 17 |
| 2923 | 0.00 | 0.00 | 0.00 | 17 |
| 2924 | 0.00 | 0.00 | 0.00 | 25 |
| 2925 | 0.00 | 0.00 | 0.00 | 18 |
| 2926 | 0.00 | 0.00 | 0.00 | 20 |
| 2927 | 0.00 | 0.00 | 0.00 | 22 |
| 2928 | 1.00 | 0.05 | 0.09 | 21 |
| 2929 | 0.00 | 0.00 | 0.00 | 15 |
| 2930 | 0.00 | 0.00 | 0.00 | 21 |
| 2930 | 0.00 | 0.00 | 0.00 | 25 |
| * * | | | | - • |

| ∠ <i>J</i> J ⊥ | 0.00 | 0.00 | 0.00 | ۷ ک |
|----------------|------|------|------|-----|
| 2932 | 0.00 | 0.00 | 0.00 | 21 |
| 2933 | 0.00 | 0.00 | 0.00 | 12 |
| 2934 | 0.00 | 0.00 | 0.00 | 29 |
| 2935 | 0.00 | 0.00 | 0.00 | 29 |
| 2936 | 0.00 | 0.00 | 0.00 | 20 |
| 2937 | 0.67 | 0.09 | 0.16 | 22 |
| 2938 | 0.00 | 0.00 | 0.00 | 24 |
| 2939 | 1.00 | 0.16 | 0.28 | 31 |
| | | | | |
| 2940 | 0.00 | 0.00 | 0.00 | 23 |
| 2941 | 0.00 | 0.00 | 0.00 | 24 |
| 2942 | 0.00 | 0.00 | 0.00 | 23 |
| 2943 | 0.00 | 0.00 | 0.00 | 22 |
| 2944 | 0.00 | 0.00 | 0.00 | 17 |
| 2945 | 0.00 | 0.00 | 0.00 | 22 |
| 2946 | 0.00 | 0.00 | 0.00 | 17 |
| 2947 | 0.00 | 0.00 | 0.00 | 27 |
| 2948 | 0.00 | 0.00 | 0.00 | 18 |
| 2949 | 0.00 | 0.00 | 0.00 | 23 |
| 2950 | 0.00 | 0.00 | 0.00 | 22 |
| 2951 | 0.80 | 0.21 | 0.33 | 19 |
| 2952 | 0.00 | 0.00 | 0.00 | 15 |
| 2953 | 1.00 | 0.16 | 0.27 | 19 |
| 2953 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | |
| 2955 | 0.00 | 0.00 | 0.00 | 17 |
| 2956 | 0.00 | 0.00 | 0.00 | 20 |
| 2957 | 1.00 | 0.06 | 0.12 | 16 |
| 2958 | 0.00 | 0.00 | 0.00 | 17 |
| 2959 | 0.00 | 0.00 | 0.00 | 24 |
| 2960 | 0.00 | 0.00 | 0.00 | 23 |
| 2961 | 0.00 | 0.00 | 0.00 | 28 |
| 2962 | 0.50 | 0.05 | 0.10 | 19 |
| 2963 | 0.00 | 0.00 | 0.00 | 17 |
| 2964 | 0.00 | 0.00 | 0.00 | 25 |
| 2965 | 0.00 | 0.00 | 0.00 | 24 |
| 2966 | 0.00 | 0.00 | 0.00 | 18 |
| 2967 | 0.00 | 0.00 | 0.00 | 22 |
| | | | | |
| 2968 | 0.00 | 0.00 | 0.00 | 17 |
| 2969 | 0.00 | 0.00 | 0.00 | 16 |
| 2970 | 0.00 | 0.00 | 0.00 | 24 |
| 2971 | 0.00 | 0.00 | 0.00 | 25 |
| 2972 | 0.00 | 0.00 | 0.00 | 18 |
| 2973 | 0.00 | 0.00 | 0.00 | 24 |
| 2974 | 0.00 | 0.00 | 0.00 | 19 |
| 2975 | 0.00 | 0.00 | 0.00 | 27 |
| 2976 | 0.00 | 0.00 | 0.00 | 21 |
| 2977 | 0.67 | 0.09 | 0.15 | 23 |
| 2978 | 0.00 | 0.00 | 0.00 | 26 |
| 2979 | 0.00 | 0.00 | 0.00 | 22 |
| 2980 | 0.00 | 0.00 | 0.00 | 24 |
| 2981 | 0.00 | 0.00 | 0.00 | 19 |
| 2982 | 1.00 | 0.05 | 0.09 | 21 |
| 2983 | 0.00 | 0.00 | 0.00 | 23 |
| | | | | |
| 2984 | 0.00 | 0.00 | 0.00 | 24 |
| 2985 | 1.00 | 0.09 | 0.16 | 23 |
| 2986 | 1.00 | 0.09 | 0.16 | 23 |
| 2987 | 0.00 | 0.00 | 0.00 | 25 |
| 2988 | 1.00 | 0.17 | 0.29 | 24 |
| 2989 | 0.00 | 0.00 | 0.00 | 17 |
| 2990 | 0.00 | 0.00 | 0.00 | 23 |
| 2991 | 0.00 | 0.00 | 0.00 | 27 |
| 2992 | 0.00 | 0.00 | 0.00 | 18 |
| 2993 | 1.00 | 0.21 | 0.35 | 19 |
| 2994 | 0.00 | 0.00 | 0.00 | 27 |
| 2995 | 0.40 | 0.08 | 0.13 | 25 |
| 2996 | 0.00 | 0.00 | 0.00 | 21 |
| 2997 | 0.00 | 0.00 | 0.00 | 16 |
| 2998 | 0.00 | 0.00 | 0.00 | 28 |
| | | | | 25 |
| 2999 | 0.00 | 0.00 | 0.00 | |
| 3000 | 0.00 | 0.00 | 0.00 | 16 |
| 3001 | 0.00 | 0.00 | 0.00 | 23 |
| 3002 | 0.00 | 0.00 | 0.00 | 20 |
| 3003 | 0.00 | 0.00 | 0.00 | 28 |
| 3004 | 0.00 | 0.00 | 0.00 | 14 |
| 3005 | 1.00 | 0.05 | 0.09 | 21 |
| 3006 | 0.00 | 0.00 | 0.00 | 19 |
| 3007 | 0.00 | 0.00 | 0.00 | 26 |
| 3008 | 0 00 | 0 00 | 0 00 | 27 |
| | | | | |

| 2000 | 0.00 | 0.00 | 0.00 | ۷ / |
|--------------|------|------|------|----------|
| 3009 | 0.50 | 0.04 | 0.07 | 26 |
| 3010 | 0.00 | 0.00 | 0.00 | 20 |
| 3011 | 0.00 | 0.00 | 0.00 | 21 |
| 3012 | 0.00 | 0.00 | 0.00 | 21 |
| 3013 | 0.00 | 0.00 | 0.00 | 15 |
| 3014 | 0.00 | 0.00 | 0.00 | 27 |
| 3015 | 0.67 | 0.11 | 0.18 | 19 |
| 3016 | 1.00 | 0.05 | 0.10 | 19 |
| 3017 | 0.00 | 0.00 | 0.00 | 20 |
| 3018 | 0.00 | 0.00 | 0.00 | 19 |
| 3019 | 1.00 | 0.06 | 0.12 | 16 |
| 3020 | 0.00 | 0.00 | 0.00 | 15 |
| 3021 | 0.50 | 0.06 | 0.10 | 18 |
| 3022 | 0.00 | 0.00 | 0.00 | 18 |
| 3023 | 0.00 | 0.00 | 0.00 | 21 |
| 3023 | 1.00 | 0.00 | 0.42 | 26 |
| 3024 | 0.00 | 0.27 | 0.00 | 18 |
| 3025 | 0.50 | 0.00 | 0.08 | 23 |
| | | | | |
| 3027 | 0.00 | 0.00 | 0.00 | 28 |
| 3028 | 0.83 | 0.24 | 0.37 | 21 |
| 3029 | 0.75 | 0.14 | 0.23 | 22 |
| 3030 | 0.00 | 0.00 | 0.00 | 21 |
| 3031 | 0.00 | 0.00 | 0.00 | 19 |
| 3032 | 0.00 | 0.00 | 0.00 | 23 |
| 3033 | 0.00 | 0.00 | 0.00 | 21 |
| 3034 | 0.00 | 0.00 | 0.00 | 17 |
| 3035 | 0.00 | 0.00 | 0.00 | 20 |
| 3036 | 0.67 | 0.10 | 0.17 | 21 |
| 3037 | 0.00 | 0.00 | 0.00 | 26 |
| 3038 | 0.00 | 0.00 | 0.00 | 27 |
| 3039 | 0.00 | 0.00 | 0.00 | 21 |
| 3040 | 0.00 | 0.00 | 0.00 | 19 |
| 3041 | 0.00 | 0.00 | 0.00 | 20 |
| 3042 | 0.00 | 0.00 | 0.00 | 24 |
| 3043 | 0.00 | 0.00 | 0.00 | 28 |
| 3044 | 0.00 | 0.00 | 0.00 | 18 |
| 3045 | 0.00 | 0.00 | 0.00 | 26 |
| 3046 | 0.00 | 0.00 | 0.00 | 26 |
| 3047 | 0.00 | 0.00 | 0.00 | 23 |
| 3048 | 0.00 | 0.00 | 0.00 | 18 |
| 3049 | 0.00 | 0.00 | 0.00 | 23 |
| 3050 | 1.00 | 0.18 | 0.30 | 17 |
| 3051 | 0.50 | 0.04 | 0.07 | 26 |
| 3052 | 0.00 | 0.00 | 0.00 | 32 |
| 3053 | 0.00 | 0.00 | 0.00 | 24 |
| 3054 | 0.00 | 0.00 | 0.00 | 16 |
| 3055 | 0.00 | 0.00 | 0.00 | 21 |
| 3056 | 0.00 | 0.00 | 0.00 | 23 |
| 3057 | 0.00 | 0.00 | 0.00 | 28 |
| 3058 | 0.00 | 0.00 | 0.00 | 13 |
| 3059 | 0.00 | 0.00 | 0.00 | 17 |
| 3060 | 0.00 | 0.00 | 0.00 | 15 |
| 3061 | 0.00 | 0.00 | 0.00 | 19 |
| 3062 | 0.00 | 0.00 | 0.00 | 18 |
| 3063 | 0.00 | 0.00 | 0.00 | 18 |
| 3064 | 0.00 | 0.00 | 0.00 | 22 |
| 3065 | 0.00 | 0.00 | 0.00 | 16 |
| 3066 | 0.00 | 0.00 | 0.00 | 18 |
| 3067 | 0.00 | 0.00 | 0.00 | 18 |
| 3068 | 0.00 | 0.00 | 0.00 | 22 |
| 3069 | 0.00 | 0.00 | 0.00 | 27 |
| 3070 | 0.00 | 0.00 | 0.00 | 23 |
| 3071 | 0.00 | 0.00 | 0.00 | 16 |
| 3072 | 0.00 | 0.00 | 0.00 | 24 |
| 3073 | 1.00 | 0.50 | 0.67 | 20 |
| 3074 | 0.00 | 0.00 | 0.00 | 22 |
| 3075 | 1.00 | 0.04 | 0.08 | 25 |
| 3076 | 0.00 | 0.04 | 0.00 | 18 |
| 3076 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 3078 | 0.00 | 0.00 | 0.00 | 18 15 |
| 3079 3080 | 0.00 | 0.00 | 0.00 | |
| 3080 | 1.00 | 0.07 | 0.12 | 15 20 |
| 3081 | 0.00 | 0.00 | 0.00 | 20 |
| 3082 | 0.00 | 0.00 | 0.00 | 23 |
| 3083 | 0.00 | 0.00 | 0.00 | 17 16 |
| 3084 | 0.00 | 0.00 | 0.00 | 16 |
| | | | | . ~ |

| 2002 | U.UU | U.UU | U.UU | ∠ ⊃ |
|------|------|------|------|-----|
| 3086 | 0.00 | 0.00 | 0.00 | 13 |
| 3087 | 0.00 | 0.00 | 0.00 | 24 |
| 3088 | 0.00 | 0.00 | 0.00 | 22 |
| 3089 | 0.00 | 0.00 | 0.00 | 25 |
| 3090 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 3091 | 0.00 | 0.00 | 0.00 | 15 |
| 3092 | 0.00 | 0.00 | 0.00 | 19 |
| 3093 | 0.00 | 0.00 | 0.00 | 21 |
| 3094 | 0.00 | 0.00 | 0.00 | 22 |
| 3095 | 0.00 | 0.00 | 0.00 | 22 |
| 3096 | 0.00 | 0.00 | 0.00 | 26 |
| 3097 | 0.00 | 0.00 | 0.00 | 23 |
| 3098 | 0.00 | 0.00 | 0.00 | 22 |
| 3099 | 0.00 | 0.00 | 0.00 | 17 |
| 3100 | 1.00 | 0.22 | 0.36 | 18 |
| | 0.00 | 0.00 | 0.00 | 19 |
| 3101 | | | | |
| 3102 | 0.00 | 0.00 | 0.00 | 15 |
| 3103 | 0.00 | 0.00 | 0.00 | 17 |
| 3104 | 0.00 | 0.00 | 0.00 | 20 |
| 3105 | 0.00 | 0.00 | 0.00 | 16 |
| 3106 | 0.00 | 0.00 | 0.00 | 14 |
| 3107 | 0.00 | 0.00 | 0.00 | 22 |
| 3108 | 0.00 | 0.00 | 0.00 | 24 |
| 3109 | 0.00 | 0.00 | 0.00 | 20 |
| 3110 | 0.00 | 0.00 | 0.00 | 19 |
| 3111 | 0.00 | 0.00 | 0.00 | 23 |
| 3112 | 0.00 | 0.00 | 0.00 | 21 |
| 3113 | 0.00 | 0.00 | 0.00 | 19 |
| 3114 | 0.00 | 0.00 | 0.00 | |
| | | | | 18 |
| 3115 | 0.00 | 0.00 | 0.00 | 22 |
| 3116 | 0.00 | 0.00 | 0.00 | 19 |
| 3117 | 0.00 | 0.00 | 0.00 | 20 |
| 3118 | 0.00 | 0.00 | 0.00 | 18 |
| 3119 | 0.00 | 0.00 | 0.00 | 23 |
| 3120 | 0.00 | 0.00 | 0.00 | 18 |
| 3121 | 0.00 | 0.00 | 0.00 | 19 |
| 3122 | 1.00 | 0.19 | 0.32 | 16 |
| 3123 | 0.00 | 0.00 | 0.00 | 20 |
| 3124 | 0.50 | 0.05 | 0.08 | 22 |
| 3125 | 0.17 | 0.07 | 0.10 | 14 |
| 3126 | 0.00 | 0.00 | 0.00 | 16 |
| 3127 | 0.00 | 0.00 | 0.00 | 18 |
| 3128 | 0.00 | 0.00 | 0.00 | 33 |
| 3129 | 0.00 | 0.00 | 0.00 | 19 |
| 3130 | 0.00 | 0.00 | 0.00 | 28 |
| 3131 | 0.00 | 0.00 | 0.00 | 22 |
| 3132 | 0.00 | 0.00 | 0.00 | 20 |
| | 0.00 | | | |
| 3133 | | 0.06 | 0.10 | 17 |
| 3134 | 0.00 | 0.00 | 0.00 | 19 |
| 3135 | 0.00 | 0.00 | 0.00 | 20 |
| 3136 | 0.00 | 0.00 | 0.00 | 20 |
| 3137 | 0.00 | 0.00 | 0.00 | 21 |
| 3138 | 0.00 | 0.00 | 0.00 | 21 |
| 3139 | 0.00 | 0.00 | 0.00 | 22 |
| 3140 | 0.00 | 0.00 | 0.00 | 18 |
| 3141 | 0.00 | 0.00 | 0.00 | 15 |
| 3142 | 0.00 | 0.00 | 0.00 | 20 |
| 3143 | 0.00 | 0.00 | 0.00 | 17 |
| 3144 | 0.00 | 0.00 | 0.00 | 23 |
| 3145 | 0.00 | 0.00 | 0.00 | 19 |
| 3146 | 0.00 | 0.00 | 0.00 | 17 |
| 3147 | 1.00 | 0.31 | 0.48 | 16 |
| 3148 | 0.80 | 0.50 | 0.62 | 16 |
| 3149 | 0.00 | 0.00 | 0.00 | 23 |
| 3150 | 0.00 | 0.00 | 0.00 | 25 |
| 3151 | 0.00 | 0.00 | 0.00 | 25 |
| | | | | |
| 3152 | 0.00 | 0.00 | 0.00 | 26 |
| 3153 | 0.00 | 0.00 | 0.00 | 27 |
| 3154 | 0.00 | 0.00 | 0.00 | 20 |
| 3155 | 1.00 | 0.33 | 0.50 | 18 |
| 3156 | 0.00 | 0.00 | 0.00 | 17 |
| 3157 | 0.75 | 0.21 | 0.33 | 14 |
| 3158 | 0.00 | 0.00 | 0.00 | 23 |
| 3159 | 0.00 | 0.00 | 0.00 | 19 |
| 3160 | 0.50 | 0.05 | 0.09 | 20 |
| 3161 | 0.00 | 0.00 | 0.00 | 18 |
| 2160 | 0 00 | 0 00 | 0 00 | 1 ^ |

| 316Z | 0.00 | U.UU | U.UU | 19 |
|------|------|------|------|----|
| 3163 | 0.00 | 0.00 | 0.00 | 21 |
| 3164 | 0.00 | 0.00 | 0.00 | 16 |
| 3165 | 0.00 | 0.00 | 0.00 | 22 |
| 3166 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | 21 |
| 3167 | 0.00 | 0.00 | 0.00 | |
| 3168 | 0.00 | 0.00 | 0.00 | 27 |
| 3169 | 0.00 | 0.00 | 0.00 | 21 |
| 3170 | 0.00 | 0.00 | 0.00 | 23 |
| 3171 | 0.00 | 0.00 | 0.00 | 15 |
| 3172 | 0.00 | 0.00 | 0.00 | 24 |
| 3173 | 0.00 | 0.00 | 0.00 | 18 |
| 3174 | 0.00 | 0.00 | 0.00 | 21 |
| 3175 | 0.00 | 0.00 | 0.00 | 14 |
| 3176 | 0.00 | 0.00 | 0.00 | 19 |
| 3177 | 0.00 | 0.00 | 0.00 | 22 |
| 3178 | 0.00 | 0.00 | 0.00 | 20 |
| 3179 | 0.00 | 0.00 | 0.00 | 18 |
| | | | | |
| 3180 | 0.00 | 0.00 | 0.00 | 20 |
| 3181 | 0.00 | 0.00 | 0.00 | 27 |
| 3182 | 0.00 | 0.00 | 0.00 | 23 |
| 3183 | 0.00 | 0.00 | 0.00 | 13 |
| 3184 | 0.00 | 0.00 | 0.00 | 22 |
| 3185 | 0.00 | 0.00 | 0.00 | 20 |
| 3186 | 0.00 | 0.00 | 0.00 | 28 |
| 3187 | 0.00 | 0.00 | 0.00 | 19 |
| 3188 | 0.00 | 0.00 | 0.00 | 23 |
| 3189 | 0.00 | 0.00 | 0.00 | 25 |
| 3190 | 0.00 | 0.00 | 0.00 | 21 |
| 3191 | 0.00 | 0.00 | 0.00 | 20 |
| 3192 | 0.00 | 0.00 | 0.00 | 22 |
| 3193 | 0.00 | 0.00 | 0.00 | 21 |
| 3194 | 0.00 | 0.00 | 0.00 | 16 |
| 3195 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 3196 | 0.00 | 0.00 | 0.00 | 21 |
| 3197 | 1.00 | 0.05 | 0.10 | 20 |
| 3198 | 0.00 | 0.00 | 0.00 | 18 |
| 3199 | 0.00 | 0.00 | 0.00 | 23 |
| 3200 | 0.33 | 0.05 | 0.09 | 19 |
| 3201 | 1.00 | 0.06 | 0.11 | 18 |
| 3202 | 0.00 | 0.00 | 0.00 | 25 |
| 3203 | 0.00 | 0.00 | 0.00 | 21 |
| 3204 | 1.00 | 0.07 | 0.12 | 15 |
| 3205 | 0.00 | 0.00 | 0.00 | 18 |
| 3206 | 0.00 | 0.00 | 0.00 | 23 |
| 3207 | 0.00 | 0.00 | 0.00 | 15 |
| 3208 | 0.00 | 0.00 | 0.00 | 20 |
| 3209 | 0.00 | 0.00 | 0.00 | 21 |
| 3210 | 0.00 | 0.00 | 0.00 | 20 |
| 3211 | 0.00 | 0.00 | 0.00 | 22 |
| 3212 | 0.00 | 0.00 | 0.00 | 21 |
| 3213 | 0.00 | 0.00 | 0.00 | 22 |
| 3214 | 0.00 | 0.00 | 0.00 | 25 |
| 3215 | 0.00 | 0.00 | 0.00 | 16 |
| 3216 | 0.00 | 0.00 | 0.00 | 7 |
| 3217 | 1.00 | 0.18 | 0.30 | 17 |
| 3218 | 0.00 | 0.00 | 0.00 | 26 |
| | | | | |
| 3219 | 0.00 | 0.00 | 0.00 | 19 |
| 3220 | 0.00 | 0.00 | 0.00 | 29 |
| 3221 | 0.00 | 0.00 | 0.00 | 25 |
| 3222 | 0.00 | 0.00 | 0.00 | 14 |
| 3223 | 1.00 | 0.12 | 0.21 | 17 |
| 3224 | 0.00 | 0.00 | 0.00 | 23 |
| 3225 | 0.00 | 0.00 | 0.00 | 22 |
| 3226 | 0.00 | 0.00 | 0.00 | 20 |
| 3227 | 0.00 | 0.00 | 0.00 | 24 |
| 3228 | 0.00 | 0.00 | 0.00 | 17 |
| 3229 | 0.00 | 0.00 | 0.00 | 31 |
| 3230 | 0.00 | 0.00 | 0.00 | 21 |
| 3231 | 0.00 | 0.00 | 0.00 | 22 |
| 3232 | 0.00 | 0.00 | 0.00 | 15 |
| 3233 | 0.00 | 0.00 | 0.00 | 21 |
| 3234 | 0.00 | 0.00 | 0.00 | 23 |
| 3235 | 0.00 | 0.00 | 0.00 | 21 |
| 3236 | 0.00 | 0.00 | 0.00 | 14 |
| 3237 | 0.00 | 0.00 | 0.00 | 21 |
| 3238 | 0.00 | 0.00 | 0.00 | 17 |
| 2220 | 0.00 | 0.00 | 0.00 | 20 |
| | | | | |

| 3239 | U.UU | 0.00 | U.UU | 22 |
|------|-------|-------|------|-----|
| 3240 | 0.00 | 0.00 | 0.00 | 22 |
| 3241 | 0.00 | 0.00 | 0.00 | 15 |
| 3242 | 0.00 | 0.00 | 0.00 | 21 |
| 3243 | 0.00 | 0.00 | 0.00 | 15 |
| 3244 | 0.00 | 0.00 | 0.00 | 29 |
| 3245 | 0.00 | 0.00 | 0.00 | 17 |
| 3246 | 0.00 | 0.00 | 0.00 | 22 |
| 3247 | | | | 25 |
| | 0.00 | 0.00 | 0.00 | |
| 3248 | 0.00 | 0.00 | 0.00 | 20 |
| 3249 | 0.00 | | 0.00 | 22 |
| 3250 | 0.00 | 0.00 | 0.00 | 24 |
| 3251 | 0.00 | 0.00 | 0.00 | 19 |
| 3252 | 0.00 | 0.00 | 0.00 | 17 |
| 3253 | 0.00 | 0.00 | 0.00 | 16 |
| 3254 | 0.00 | 0.00 | 0.00 | 25 |
| 3255 | 0.00 | 0.00 | 0.00 | 15 |
| 3256 | 0.00 | 0.00 | 0.00 | 17 |
| 3257 | 0.00 | 0.00 | 0.00 | 15 |
| 3258 | 0.00 | 0.00 | 0.00 | 21 |
| 3259 | 0.00 | 0.00 | 0.00 | 14 |
| 3260 | 0.00 | 0.00 | 0.00 | 18 |
| 3261 | 0.00 | 0.00 | 0.00 | 24 |
| 3262 | 0.00 | 0.00 | 0.00 | 20 |
| 3263 | 0.00 | 0.00 | 0.00 | 16 |
| 3264 | 1.00 | 0.05 | 0.10 | 19 |
| 3265 | 0.00 | 0.00 | 0.00 | 21 |
| 3266 | 0.00 | 0.00 | 0.00 | 20 |
| 3267 | 0.00 | 0.00 | 0.00 | 22 |
| 3268 | 0.00 | 0.00 | 0.00 | 13 |
| 3269 | 0.00 | 0.00 | 0.00 | 18 |
| 3270 | 0.00 | 0.00 | 0.00 | 15 |
| 3271 | 0.00 | 0.00 | 0.00 | 19 |
| 3272 | 0.00 | 0.00 | 0.00 | 25 |
| 3273 | 0.00 | 0.00 | 0.00 | 18 |
| 3274 | 0.00 | 0.00 | 0.00 | 22 |
| 3275 | 0.00 | 0.00 | 0.00 | 23 |
| 3276 | 0.00 | 0.00 | 0.00 | 17 |
| 3277 | 0.00 | 0.00 | 0.00 | 20 |
| 3278 | 0.00 | 0.00 | 0.00 | 22 |
| 3279 | 0.00 | 0.00 | 0.00 | 21 |
| 3280 | 0.00 | 0.00 | 0.00 | 19 |
| 3281 | 0.00 | 0.00 | 0.00 | 18 |
| 3282 | 0.00 | 0.00 | 0.00 | 20 |
| 3283 | 0.00 | 0.00 | 0.00 | 15 |
| 3284 | 0.00 | 0.00 | 0.00 | 17 |
| 3285 | 0.00 | 0.00 | 0.00 | 20 |
| 3286 | 0.00 | 0.00 | 0.00 | 11 |
| 3287 | 0.00 | 0.00 | 0.00 | 16 |
| 3288 | 0.00 | 0.00 | 0.00 | 14 |
| 3289 | 0.00 | 0.00 | 0.00 | 27 |
| 3290 | 0.00 | 0.00 | 0.00 | 26 |
| 3291 | 0.00 | 0.00 | 0.00 | 24 |
| 3292 | 0.00 | 0.00 | 0.00 | 19 |
| 3293 | 0.00 | 0.00 | 0.00 | 15 |
| 3294 | 1.00 | 0.05 | 0.09 | 22 |
| 3295 | 0.00 | 0.00 | 0.00 | 19 |
| | 0.00 | 0.00 | | |
| 3296 | | | 0.00 | 26 |
| 3297 | 0.00 | 0.00 | 0.00 | 22 |
| 3298 | 0.00 | 0.00 | 0.00 | 16 |
| 3299 | 0.00 | 0.00 | 0.00 | 19 |
| 3300 | 0.00 | 0.00 | 0.00 | 16 |
| 3301 | 1.00 | 0.05 | 0.10 | 19 |
| 3302 | 1.00 | 0.06 | 0.11 | 17 |
| 3303 | 0.00 | 0.00 | 0.00 | 17 |
| 3304 | 0.00 | 0.00 | 0.00 | 16 |
| 3305 | 0.00 | 0.00 | 0.00 | 26 |
| 3306 | 0.00 | 0.00 | 0.00 | 16 |
| 3307 | 0.00 | 0.00 | 0.00 | 21 |
| 3308 | 0.00 | 0.00 | 0.00 | 15 |
| 3309 | 0.00 | 0.00 | 0.00 | 14 |
| 3310 | 0.00 | 0.00 | 0.00 | 16 |
| 3311 | 0.00 | 0.00 | 0.00 | 26 |
| 3312 | 0.00 | 0.00 | 0.00 | 21 |
| 3313 | 0.00 | 0.00 | 0.00 | 17 |
| 3314 | 0.00 | 0.00 | 0.00 | 20 |
| 3315 | 0.00 | 0.00 | 0.00 | 18 |
| | ~ ^ ^ | ^ ^ ^ | ^ ^^ | ~ ~ |

| 2277 | 0.00 | 0.00 | 0.00 | 20 |
|------|------|------|------|----|
| 3316 | 0.00 | 0.00 | 0.00 | 20 |
| 3317 | 0.00 | 0.00 | 0.00 | 20 |
| 3318 | 0.00 | 0.00 | 0.00 | 19 |
| 3319 | 0.00 | 0.00 | 0.00 | 11 |
| 3320 | 0.00 | 0.00 | | 17 |
| | | | 0.00 | |
| 3321 | 0.00 | 0.00 | 0.00 | 21 |
| 3322 | 0.00 | 0.00 | 0.00 | 20 |
| 3323 | 0.00 | 0.00 | 0.00 | 19 |
| 3324 | 1.00 | 0.12 | 0.21 | 17 |
| | | | | |
| 3325 | 0.00 | 0.00 | 0.00 | 13 |
| 3326 | 0.00 | 0.00 | 0.00 | 18 |
| 3327 | 0.00 | 0.00 | 0.00 | 15 |
| 3328 | 1.00 | 0.04 | 0.08 | 24 |
| 3329 | 0.00 | 0.00 | 0.00 | 23 |
| 3330 | 1.00 | 0.25 | 0.40 | 12 |
| | | | | |
| 3331 | 0.33 | 0.06 | 0.11 | 16 |
| 3332 | 0.00 | 0.00 | 0.00 | 19 |
| 3333 | 0.00 | 0.00 | 0.00 | 23 |
| 3334 | 0.00 | 0.00 | 0.00 | 21 |
| 3335 | 0.00 | 0.00 | 0.00 | 12 |
| | 0.00 | | | |
| 3336 | | 0.00 | 0.00 | 16 |
| 3337 | 0.00 | 0.00 | 0.00 | 8 |
| 3338 | 0.00 | 0.00 | 0.00 | 21 |
| 3339 | 0.00 | 0.00 | 0.00 | 22 |
| 3340 | 0.00 | 0.00 | 0.00 | 23 |
| 3341 | 0.00 | 0.00 | 0.00 | 14 |
| | | | | |
| 3342 | 0.00 | 0.00 | 0.00 | 26 |
| 3343 | 0.00 | 0.00 | 0.00 | 19 |
| 3344 | 0.00 | 0.00 | 0.00 | 10 |
| 3345 | 0.00 | 0.00 | 0.00 | 22 |
| 3346 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | |
| 3347 | 0.00 | 0.00 | 0.00 | 21 |
| 3348 | 0.00 | 0.00 | 0.00 | 17 |
| 3349 | 0.00 | 0.00 | 0.00 | 20 |
| 3350 | 0.00 | 0.00 | 0.00 | 21 |
| 3351 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 3352 | 0.00 | 0.00 | 0.00 | 16 |
| 3353 | 0.00 | 0.00 | 0.00 | 19 |
| 3354 | 0.00 | 0.00 | 0.00 | 15 |
| 3355 | 0.00 | 0.00 | 0.00 | 19 |
| 3356 | 0.00 | 0.00 | 0.00 | 14 |
| 3357 | 0.00 | 0.00 | 0.00 | 17 |
| | | | | |
| 3358 | 0.00 | 0.00 | 0.00 | 19 |
| 3359 | 0.00 | 0.00 | 0.00 | 17 |
| 3360 | 0.00 | 0.00 | 0.00 | 11 |
| 3361 | 0.00 | 0.00 | 0.00 | 20 |
| 3362 | 0.00 | 0.00 | 0.00 | 18 |
| 3363 | 0.00 | 0.00 | 0.00 | 23 |
| 3364 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | |
| 3365 | 0.00 | 0.00 | 0.00 | 15 |
| 3366 | 0.00 | 0.00 | 0.00 | 28 |
| 3367 | 1.00 | 0.06 | 0.12 | 16 |
| 3368 | 0.00 | 0.00 | 0.00 | 12 |
| 3369 | 0.00 | 0.00 | 0.00 | 16 |
| 3370 | 0.00 | 0.00 | 0.00 | 18 |
| | | | | |
| 3371 | 0.00 | 0.00 | 0.00 | 24 |
| 3372 | 0.00 | 0.00 | 0.00 | 22 |
| 3373 | 0.00 | 0.00 | 0.00 | 12 |
| 3374 | 0.00 | 0.00 | 0.00 | 23 |
| 3375 | 0.00 | 0.00 | 0.00 | 23 |
| 3376 | 0.00 | 0.00 | 0.00 | 22 |
| | | | | |
| 3377 | 0.00 | 0.00 | 0.00 | 16 |
| 3378 | 0.00 | 0.00 | 0.00 | 16 |
| 3379 | 0.00 | 0.00 | 0.00 | 14 |
| 3380 | 0.00 | 0.00 | 0.00 | 21 |
| 3381 | 0.00 | 0.00 | 0.00 | 17 |
| 3382 | 0.00 | 0.00 | 0.00 | 19 |
| 3383 | 0.00 | 0.00 | 0.00 | 16 |
| | | | | |
| 3384 | 0.00 | 0.00 | 0.00 | 18 |
| 3385 | 0.00 | 0.00 | 0.00 | 10 |
| 3386 | 0.00 | 0.00 | 0.00 | 28 |
| 3387 | 0.00 | 0.00 | 0.00 | 18 |
| 3388 | 0.00 | 0.00 | 0.00 | 16 |
| 3389 | 1.00 | 0.06 | 0.12 | 16 |
| | 0.00 | 0.00 | | 8 |
| 3390 | | 0.00 | 0.00 | |
| 3391 | | U UU | 0.00 | 24 |
| 2202 | 0.00 | | | |
| 3392 | 0.00 | 0.00 | 0.00 | 17 |

| 2202 | 0 00 | 0 00 | 0 00 | 1 - |
|------|------|------|------|-----|
| 3393 | 0.00 | 0.00 | 0.00 | 15 |
| 3394 | 1.00 | 0.25 | 0.40 | 20 |
| 3395 | 0.00 | 0.00 | 0.00 | 23 |
| 3396 | 0.00 | 0.00 | 0.00 | 14 |
| 3397 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 3398 | 0.00 | 0.00 | 0.00 | 19 |
| 3399 | 0.00 | 0.00 | 0.00 | 21 |
| 3400 | 0.00 | 0.00 | 0.00 | 18 |
| 3401 | 0.00 | 0.00 | 0.00 | 22 |
| 3402 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | |
| 3403 | 0.00 | 0.00 | 0.00 | 15 |
| 3404 | 0.33 | 0.10 | 0.15 | 10 |
| 3405 | 0.00 | 0.00 | 0.00 | 19 |
| 3406 | 0.00 | 0.00 | 0.00 | 25 |
| 3407 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | |
| 3408 | 0.00 | 0.00 | 0.00 | 16 |
| 3409 | 0.00 | 0.00 | 0.00 | 19 |
| 3410 | 0.00 | 0.00 | 0.00 | 21 |
| 3411 | 0.00 | 0.00 | 0.00 | 16 |
| 3412 | 0.00 | 0.00 | 0.00 | 16 |
| 3413 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 3414 | 0.00 | 0.00 | 0.00 | 16 |
| 3415 | 0.00 | 0.00 | 0.00 | 19 |
| 3416 | 0.00 | 0.00 | 0.00 | 19 |
| 3417 | 0.00 | 0.00 | 0.00 | 19 |
| 3418 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | |
| 3419 | 0.00 | 0.00 | 0.00 | 20 |
| 3420 | 0.00 | 0.00 | 0.00 | 23 |
| 3421 | 0.00 | 0.00 | 0.00 | 12 |
| 3422 | 0.00 | 0.00 | 0.00 | 22 |
| 3423 | 0.00 | 0.00 | 0.00 | 20 |
| | | | | |
| 3424 | 0.00 | 0.00 | 0.00 | 21 |
| 3425 | 0.00 | 0.00 | 0.00 | 16 |
| 3426 | 0.00 | 0.00 | 0.00 | 21 |
| 3427 | 0.00 | 0.00 | 0.00 | 17 |
| 3428 | 0.00 | 0.00 | 0.00 | 12 |
| 3429 | 0.00 | 0.00 | 0.00 | 15 |
| 3430 | 0.00 | 0.00 | 0.00 | 22 |
| 3431 | 0.00 | 0.00 | 0.00 | 16 |
| | | | | |
| 3432 | 0.00 | 0.00 | 0.00 | 15 |
| 3433 | 0.00 | 0.00 | 0.00 | 16 |
| 3434 | 0.00 | 0.00 | 0.00 | 16 |
| 3435 | 0.00 | 0.00 | 0.00 | 21 |
| 3436 | 0.00 | 0.00 | 0.00 | 16 |
| 3437 | 0.00 | 0.00 | 0.00 | 14 |
| 3438 | 0.00 | 0.00 | 0.00 | 19 |
| 3439 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 3440 | 0.00 | 0.00 | 0.00 | 17 |
| 3441 | 0.00 | 0.00 | 0.00 | 16 |
| 3442 | 0.00 | 0.00 | 0.00 | 16 |
| 3443 | 0.00 | 0.00 | 0.00 | 15 |
| 3444 | 0.00 | 0.00 | 0.00 | 14 |
| 3445 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 3446 | 0.00 | 0.00 | 0.00 | 20 |
| 3447 | 0.00 | 0.00 | 0.00 | 23 |
| 3448 | 0.00 | 0.00 | 0.00 | 13 |
| 3449 | 0.00 | 0.00 | 0.00 | 19 |
| 3450 | 0.00 | 0.00 | 0.00 | 20 |
| 3451 | 0.00 | 0.00 | 0.00 | 11 |
| 3452 | 0.00 | 0.00 | 0.00 | 13 |
| 3453 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 3454 | 0.00 | 0.00 | 0.00 | 20 |
| 3455 | 0.00 | 0.00 | 0.00 | 11 |
| 3456 | 0.00 | 0.00 | 0.00 | 20 |
| 3457 | 0.00 | 0.00 | 0.00 | 16 |
| 3458 | 0.00 | 0.00 | 0.00 | 19 |
| 3459 | 0.00 | 0.00 | 0.00 | 14 |
| 3460 | 0.00 | 0.00 | 0.00 | 20 |
| | | | | |
| 3461 | 0.00 | 0.00 | 0.00 | 19 |
| 3462 | 0.00 | 0.00 | 0.00 | 21 |
| 3463 | 0.00 | 0.00 | 0.00 | 20 |
| 3464 | 0.00 | 0.00 | 0.00 | 14 |
| 3465 | 0.00 | 0.00 | 0.00 | 13 |
| 3466 | 0.00 | 0.00 | 0.00 | 20 |
| 3467 | 0.00 | 0.00 | 0.00 | 22 |
| 3468 | 0.00 | 0.00 | 0.00 | 18 |
| 3469 | 0.00 | 0.00 | 0.00 | 14 |
| | | | | |

| 3470 | 0.00 | 0.00 | 0.00 | 18 |
|------|------|------|------|----|
| 3471 | 0.00 | 0.00 | 0.00 | 17 |
| 3472 | 0.00 | 0.00 | 0.00 | 18 |
| 3473 | 0.00 | 0.00 | 0.00 | 15 |
| 3474 | 0.00 | 0.00 | 0.00 | 20 |
| 3475 | 1.00 | 0.16 | 0.27 | 19 |
| | | | | |
| 3476 | 0.00 | 0.00 | 0.00 | 15 |
| 3477 | 0.00 | 0.00 | 0.00 | 11 |
| 3478 | 0.00 | 0.00 | 0.00 | 19 |
| 3479 | 0.00 | 0.00 | 0.00 | 16 |
| 3480 | 0.00 | 0.00 | 0.00 | 18 |
| 3481 | 0.00 | 0.00 | 0.00 | 14 |
| 3482 | 0.00 | 0.00 | 0.00 | 14 |
| 3483 | 0.00 | 0.00 | 0.00 | 20 |
| 3484 | 0.67 | 0.12 | 0.20 | 17 |
| 3485 | 0.00 | 0.00 | 0.00 | 16 |
| 3486 | 0.00 | 0.00 | 0.00 | 15 |
| 3487 | 0.00 | 0.00 | 0.00 | 21 |
| 3488 | 0.00 | 0.00 | 0.00 | 15 |
| 3489 | 0.00 | 0.00 | 0.00 | 21 |
| 3490 | 0.00 | 0.00 | 0.00 | 21 |
| 3491 | 0.00 | 0.00 | 0.00 | 19 |
| 3492 | 0.00 | 0.00 | 0.00 | 23 |
| 3493 | 1.00 | 0.12 | 0.21 | 17 |
| 3494 | 0.00 | 0.00 | 0.00 | 21 |
| 3495 | 0.00 | 0.00 | 0.00 | 11 |
| 3496 | 0.00 | 0.00 | 0.00 | 14 |
| 3497 | 0.00 | 0.00 | 0.00 | 15 |
| 3498 | 0.00 | 0.00 | 0.00 | 17 |
| 3499 | 0.00 | 0.00 | 0.00 | 19 |
| 3500 | 0.00 | 0.00 | 0.00 | 15 |
| 3501 | 0.00 | 0.00 | 0.00 | 20 |
| 3502 | 0.00 | 0.00 | 0.00 | 15 |
| 3503 | 0.00 | 0.00 | 0.00 | 19 |
| 3504 | | | | 23 |
| | 0.00 | 0.00 | 0.00 | |
| 3505 | 0.50 | 0.06 | 0.11 | 16 |
| 3506 | 0.00 | 0.00 | 0.00 | 17 |
| 3507 | 0.00 | 0.00 | 0.00 | 20 |
| 3508 | 0.00 | 0.00 | 0.00 | 11 |
| 3509 | 0.00 | 0.00 | 0.00 | 20 |
| 3510 | 0.00 | 0.00 | 0.00 | 15 |
| 3511 | 0.00 | 0.00 | 0.00 | 14 |
| 3512 | 0.00 | 0.00 | 0.00 | 14 |
| 3513 | 0.00 | 0.00 | 0.00 | 17 |
| 3514 | 0.00 | 0.00 | 0.00 | 20 |
| 3515 | 0.00 | 0.00 | 0.00 | 19 |
| 3516 | 0.00 | 0.00 | 0.00 | 18 |
| 3517 | 0.00 | 0.00 | 0.00 | 16 |
| 3518 | 0.00 | 0.00 | 0.00 | 15 |
| 3519 | 0.00 | 0.00 | 0.00 | 19 |
| 3520 | 0.00 | 0.00 | 0.00 | 17 |
| 3521 | 0.00 | 0.00 | 0.00 | 15 |
| 3522 | 0.00 | 0.00 | 0.00 | 23 |
| 3523 | 0.00 | 0.00 | 0.00 | 17 |
| 3524 | 0.00 | 0.00 | 0.00 | 21 |
| 3525 | 0.00 | 0.00 | 0.00 | 17 |
| 3526 | 0.00 | 0.00 | 0.00 | 12 |
| 3527 | 0.00 | 0.00 | 0.00 | 20 |
| 3528 | 0.00 | 0.00 | 0.00 | 25 |
| 3529 | 0.00 | 0.00 | 0.00 | 19 |
| 3530 | 0.00 | 0.00 | 0.00 | 9 |
| 3531 | 0.00 | 0.00 | 0.00 | 18 |
| 3532 | 0.00 | 0.00 | 0.00 | 17 |
| 3533 | 0.00 | 0.00 | 0.00 | 13 |
| 3534 | 0.00 | 0.00 | 0.00 | 19 |
| 3535 | 0.00 | 0.00 | 0.00 | 12 |
| 3536 | 0.00 | 0.00 | 0.00 | 20 |
| 3537 | 0.00 | 0.00 | 0.00 | 22 |
| 3538 | 0.00 | 0.00 | 0.00 | 12 |
| 3539 | 1.00 | 0.06 | 0.12 | 16 |
| 3540 | 0.00 | 0.00 | 0.00 | 14 |
| 3541 | 0.60 | 0.20 | 0.30 | 15 |
| 3542 | 0.00 | 0.00 | 0.00 | 17 |
| 3543 | 0.00 | 0.00 | 0.00 | 17 |
| 3544 | 0.00 | 0.00 | 0.00 | 17 |
| 3545 | 0.00 | 0.00 | 0.00 | 14 |
| 3546 | 0.00 | 0.00 | 0.00 | 14 |
| | | | | |

| 2547 | 0 00 | 0 00 | 0 00 | 1.0 |
|---------|------|------|-------|-----|
| 3547 | 0.00 | 0.00 | 0.00 | 18 |
| 3548 | 0.00 | 0.00 | 0.00 | 21 |
| 3549 | 0.00 | 0.00 | 0.00 | 11 |
| 3550 | 0.00 | 0.00 | 0.00 | 13 |
| 3551 | 0.00 | 0.00 | 0.00 | 17 |
| 3552 | 0.00 | 0.00 | 0.00 | 12 |
| | | | 0.00 | |
| 3553 | 0.00 | 0.00 | | 13 |
| 3554 | 0.00 | 0.00 | 0.00 | 16 |
| 3555 | 0.00 | 0.00 | 0.00 | 24 |
| 3556 | 0.00 | 0.00 | 0.00 | 8 |
| 3557 | 0.00 | 0.00 | 0.00 | 15 |
| 3558 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | 22 |
| 3559 | 0.00 | 0.00 | 0.00 | |
| 3560 | 0.00 | 0.00 | 0.00 | 15 |
| 3561 | 0.00 | 0.00 | 0.00 | 19 |
| 3562 | 0.00 | 0.00 | 0.00 | 16 |
| 3563 | 0.00 | 0.00 | 0.00 | 21 |
| 3564 | 0.00 | 0.00 | 0.00 | 19 |
| 3565 | | | | 19 |
| | 0.00 | 0.00 | 0.00 | |
| 3566 | 0.00 | 0.00 | 0.00 | 16 |
| 3567 | 0.00 | 0.00 | 0.00 | 13 |
| 3568 | 0.00 | 0.00 | 0.00 | 20 |
| 3569 | 0.00 | 0.00 | 0.00 | 13 |
| 3570 | 0.00 | 0.00 | 0.00 | 16 |
| 3571 | 1.00 | 0.04 | 0.08 | 25 |
| | | | | |
| 3572 | 0.00 | 0.00 | 0.00 | 18 |
| 3573 | 0.00 | 0.00 | 0.00 | 11 |
| 3574 | 0.00 | 0.00 | 0.00 | 19 |
| 3575 | 0.00 | 0.00 | 0.00 | 23 |
| 3576 | 0.00 | 0.00 | 0.00 | 12 |
| 3577 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 3578 | 0.00 | 0.00 | 0.00 | 16 |
| 3579 | 0.00 | 0.00 | 0.00 | 21 |
| 3580 | 0.00 | 0.00 | 0.00 | 17 |
| 3581 | 0.00 | 0.00 | 0.00 | 21 |
| 3582 | 0.00 | 0.00 | 0.00 | 13 |
| 3583 | 0.00 | 0.00 | 0.00 | 24 |
| | | | | |
| 3584 | 0.00 | 0.00 | 0.00 | 18 |
| 3585 | 0.00 | 0.00 | 0.00 | 13 |
| 3586 | 0.00 | 0.00 | 0.00 | 14 |
| 3587 | 0.00 | 0.00 | 0.00 | 22 |
| 3588 | 0.00 | 0.00 | 0.00 | 14 |
| 3589 | 0.00 | 0.00 | 0.00 | 18 |
| 3590 | 0.00 | 0.00 | 0.00 | 23 |
| | | | | |
| 3591 | 0.00 | 0.00 | 0.00 | 18 |
| 3592 | 0.00 | 0.00 | 0.00 | 11 |
| 3593 | 0.00 | 0.00 | 0.00 | 16 |
| 3594 | 1.00 | 0.25 | 0.40 | 12 |
| 3595 | 0.00 | 0.00 | 0.00 | 21 |
| 3596 | 0.00 | 0.00 | 0.00 | 17 |
| 3597 | | | | |
| | 0.00 | 0.00 | 0.00 | 19 |
| 3598 | 0.00 | 0.00 | 0.00 | 13 |
| 3599 | 0.00 | 0.00 | 0.00 | 18 |
| 3600 | 0.00 | 0.00 | 0.00 | 17 |
| 3601 | 0.00 | 0.00 | 0.00 | 18 |
| 3602 | 1.00 | 0.08 | 0.14 | 13 |
| 3603 | 0.00 | 0.00 | 0.00 | 12 |
| 3604 | | | 0.00 | |
| | 0.00 | 0.00 | | 18 |
| 3605 | 0.00 | 0.00 | 0.00 | 16 |
| 3606 | 0.00 | 0.00 | 0.00 | 15 |
| 3607 | 0.00 | 0.00 | 0.00 | 22 |
| 3608 | 0.00 | 0.00 | 0.00 | 21 |
| 3609 | 0.00 | 0.00 | 0.00 | 20 |
| 3610 | 0.00 | 0.00 | 0.00 | 17 |
| | | | | |
| 3611 | 0.00 | 0.00 | 0.00 | 19 |
| 3612 | 0.00 | 0.00 | 0.00 | 13 |
| 3613 | 0.00 | 0.00 | 0.00 | 12 |
| 3614 | 0.00 | 0.00 | 0.00 | 18 |
| 3615 | 0.00 | 0.00 | 0.00 | 7 |
| 3616 | 0.00 | 0.00 | 0.00 | 23 |
| | | | | |
| 3617 | 0.00 | 0.00 | 0.00 | 14 |
| 3618 | 0.00 | 0.00 | 0.00 | 21 |
| 3619 | 0.00 | 0.00 | 0.00 | 18 |
| 3620 | 0.00 | 0.00 | 0.00 | 20 |
| 3621 | 0.00 | 0.00 | 0.00 | 15 |
| 3622 | 0.00 | 0.00 | 0.00 | 17 |
| 3623 | 0.00 | 0.00 | 0.00 | 16 |
| J U Z J | 0.00 | 3.00 | J. 00 | ± 0 |

| 3624 | 0.00 | 0.00 | 0.00 | 18 |
|------|------|------|------|----------|
| 3625 | 0.00 | 0.00 | 0.00 | 21 |
| 3626 | 1.00 | 0.25 | 0.40 | 12 |
| 3627 | 0.00 | 0.00 | 0.00 | 18 |
| 3628 | 0.50 | 0.07 | 0.12 | 14 |
| 3629 | 0.00 | 0.00 | 0.00 | 13 |
| | 0.00 | | 0.00 | |
| 3630 | | 0.00 | | 10 |
| 3631 | 0.00 | 0.00 | 0.00 | 17 |
| 3632 | 0.00 | 0.00 | 0.00 | 8 |
| 3633 | 0.00 | 0.00 | 0.00 | 16 |
| 3634 | 0.00 | 0.00 | 0.00 | 19 |
| 3635 | 0.00 | 0.00 | 0.00 | 14 |
| 3636 | 0.00 | 0.00 | 0.00 | 13 |
| 3637 | 0.00 | 0.00 | 0.00 | 18 |
| 3638 | 0.00 | 0.00 | 0.00 | 23 |
| 3639 | 0.00 | 0.00 | 0.00 | 20 |
| 3640 | 0.00 | 0.00 | 0.00 | 17 |
| 3641 | 0.00 | 0.00 | 0.00 | 20 |
| 3642 | 0.50 | 0.09 | 0.15 | 11 |
| 3643 | 0.00 | 0.00 | 0.00 | 13 |
| 3644 | 0.00 | 0.00 | 0.00 | 19 |
| 3645 | 0.00 | 0.00 | 0.00 | 11 |
| 3646 | 0.33 | 0.08 | 0.12 | 13 |
| 3647 | 0.00 | 0.00 | 0.00 | 13 |
| 3648 | 0.00 | 0.00 | 0.00 | 19 |
| 3649 | 0.00 | 0.00 | 0.00 | 19 |
| 3650 | 0.00 | 0.00 | 0.00 | 12 |
| 3651 | 0.00 | 0.00 | 0.00 | 18 |
| 3652 | 0.00 | 0.00 | 0.00 | 18 |
| 3653 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 3654 | 0.00 | 0.00 | 0.00 | 20 |
| 3655 | 0.00 | 0.00 | 0.00 | 22 |
| 3656 | 0.00 | 0.00 | 0.00 | 19 |
| 3657 | 0.00 | 0.00 | 0.00 | 10 |
| 3658 | 0.00 | 0.00 | 0.00 | 15 |
| 3659 | 0.00 | 0.00 | 0.00 | 11 |
| 3660 | 0.00 | 0.00 | 0.00 | 15 |
| 3661 | 0.00 | 0.00 | 0.00 | 18 |
| 3662 | 0.00 | 0.00 | 0.00 | 18 |
| 3663 | 0.00 | 0.00 | 0.00 | 19 |
| 3664 | 0.00 | 0.00 | 0.00 | 12 |
| 3665 | 1.00 | 0.04 | 0.08 | 24 |
| 3666 | 0.00 | 0.00 | 0.00 | 18 |
| 3667 | 0.00 | 0.00 | 0.00 | 16 |
| 3668 | 0.00 | 0.00 | 0.00 | 12 |
| 3669 | 0.00 | 0.00 | 0.00 | 22 |
| 3670 | 0.00 | 0.00 | 0.00 | 19 |
| 3671 | 0.00 | 0.00 | 0.00 | 19 |
| 3672 | 0.00 | 0.00 | 0.00 | 19 |
| 3673 | 0.00 | 0.00 | 0.00 | 14 |
| 3674 | 0.00 | 0.00 | 0.00 | 18 |
| 3675 | 0.00 | 0.00 | 0.00 | 16 |
| 3676 | 0.00 | 0.00 | 0.00 | 12 |
| 3677 | 0.00 | 0.00 | 0.00 | 17 |
| 3678 | 0.00 | 0.00 | 0.00 | 20 |
| 3679 | 0.00 | 0.00 | 0.00 | 21 |
| 3680 | 0.00 | 0.00 | 0.00 | 22 |
| 3681 | 0.00 | 0.00 | 0.00 | 15 |
| 3682 | 0.00 | 0.00 | 0.00 | 17 |
| 3683 | 0.00 | 0.00 | 0.00 | 19 |
| 3684 | 0.00 | 0.00 | 0.00 | 13 |
| 3685 | 0.00 | 0.00 | 0.00 | 17 |
| 3686 | 0.00 | 0.00 | 0.00 | 18 |
| | | | | |
| 3688 | 0.00 | 0.00 | 0.00 | 26 20 |
| 3688 | 0.00 | 0.00 | 0.00 | 20 |
| 3689 | 1.00 | 0.10 | 0.18 | 20 |
| 3690 | 0.00 | 0.00 | 0.00 | 22 |
| 3691 | 0.00 | 0.00 | 0.00 | 18 |
| 3692 | 0.00 | 0.00 | 0.00 | 15 |
| 3693 | 0.00 | 0.00 | 0.00 | 15 |
| 3694 | 0.40 | 0.14 | 0.21 | 14 |
| 3695 | 0.00 | 0.00 | 0.00 | 19 |
| 3696 | 0.00 | 0.00 | 0.00 | 13 |
| 3697 | 0.00 | 0.00 | 0.00 | 13 |
| 3698 | 0.00 | 0.00 | 0.00 | 16 |
| 3699 | 0.00 | 0.00 | 0.00 | 17 |
| 3700 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | |

| 3701 | 0.00 | 0.00 | 0.00 | 15 |
|------|------|------|------|----|
| | | | | |
| 3702 | 0.00 | 0.00 | 0.00 | 23 |
| 3703 | 0.00 | 0.00 | 0.00 | 19 |
| 3704 | 0.00 | 0.00 | 0.00 | 12 |
| 3705 | 0.00 | 0.00 | 0.00 | 21 |
| 3706 | 0.00 | 0.00 | 0.00 | 17 |
| 3707 | 0.00 | 0.00 | 0.00 | 19 |
| 3708 | 0.00 | 0.00 | 0.00 | 19 |
| 3709 | 0.00 | 0.00 | 0.00 | 13 |
| 3710 | | | | |
| | 0.00 | 0.00 | 0.00 | 13 |
| 3711 | 0.00 | 0.00 | 0.00 | 11 |
| 3712 | 0.00 | 0.00 | 0.00 | 18 |
| 3713 | 0.00 | 0.00 | 0.00 | 17 |
| 3714 | 0.00 | 0.00 | 0.00 | 18 |
| 3715 | 0.00 | 0.00 | 0.00 | 13 |
| 3716 | 0.00 | 0.00 | 0.00 | 21 |
| 3717 | 0.00 | 0.00 | 0.00 | 17 |
| 3718 | 0.00 | 0.00 | 0.00 | 13 |
| 3719 | 0.00 | 0.00 | 0.00 | 18 |
| 3720 | 0.00 | 0.00 | 0.00 | 11 |
| 3721 | 0.00 | 0.00 | 0.00 | 15 |
| 3722 | | | | |
| | 0.00 | 0.00 | 0.00 | 12 |
| 3723 | 0.00 | 0.00 | 0.00 | 19 |
| 3724 | 0.00 | 0.00 | 0.00 | 12 |
| 3725 | 0.00 | 0.00 | 0.00 | 14 |
| 3726 | 0.00 | 0.00 | 0.00 | 16 |
| 3727 | 0.00 | 0.00 | 0.00 | 14 |
| 3728 | 0.00 | 0.00 | 0.00 | 19 |
| 3729 | 0.00 | 0.00 | 0.00 | 15 |
| 3730 | 0.00 | 0.00 | 0.00 | 12 |
| 3731 | 0.00 | 0.00 | 0.00 | 16 |
| 3732 | 0.00 | 0.00 | 0.00 | 17 |
| 3733 | 0.00 | 0.00 | 0.00 | 17 |
| 3734 | 0.00 | 0.00 | 0.00 | 16 |
| | | | | |
| 3735 | 0.00 | 0.00 | 0.00 | 18 |
| 3736 | 0.00 | 0.00 | 0.00 | 15 |
| 3737 | 0.00 | 0.00 | 0.00 | 15 |
| 3738 | 0.00 | 0.00 | 0.00 | 15 |
| 3739 | 0.00 | 0.00 | 0.00 | 19 |
| 3740 | 0.00 | 0.00 | 0.00 | 16 |
| 3741 | 0.00 | 0.00 | 0.00 | 20 |
| 3742 | 0.00 | 0.00 | 0.00 | 15 |
| 3743 | 0.00 | 0.00 | 0.00 | 13 |
| 3744 | 1.00 | 0.15 | 0.27 | 13 |
| 3745 | 0.00 | 0.00 | 0.00 | 15 |
| 3746 | 0.00 | 0.00 | 0.00 | 16 |
| 3747 | 0.00 | 0.00 | 0.00 | 19 |
| 3748 | 0.00 | 0.00 | 0.00 | 11 |
| 3749 | 0.00 | 0.00 | 0.00 | 20 |
| 3750 | 0.00 | 0.00 | 0.00 | 17 |
| | | | 0.00 | |
| 3751 | 0.00 | 0.00 | | 11 |
| 3752 | 0.00 | 0.00 | 0.00 | 13 |
| 3753 | 0.00 | 0.00 | 0.00 | 18 |
| 3754 | 0.00 | 0.00 | 0.00 | 17 |
| 3755 | 0.00 | 0.00 | 0.00 | 20 |
| 3756 | 0.00 | 0.00 | 0.00 | 16 |
| 3757 | 0.00 | 0.00 | 0.00 | 14 |
| 3758 | 0.00 | 0.00 | 0.00 | 14 |
| 3759 | 0.00 | 0.00 | 0.00 | 22 |
| 3760 | 0.00 | 0.00 | 0.00 | 15 |
| 3761 | 0.00 | 0.00 | 0.00 | 17 |
| 3762 | 0.00 | 0.00 | 0.00 | 17 |
| 3763 | 0.00 | 0.00 | 0.00 | 15 |
| 3764 | 1.00 | 0.21 | 0.35 | 19 |
| 3765 | 0.00 | 0.00 | 0.00 | 17 |
| 3766 | 0.00 | 0.00 | 0.00 | 7 |
| 3767 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | |
| 3768 | 0.00 | 0.00 | 0.00 | 12 |
| 3769 | 0.00 | 0.00 | 0.00 | 14 |
| 3770 | 0.00 | 0.00 | 0.00 | 15 |
| 3771 | 0.00 | 0.00 | 0.00 | 16 |
| 3772 | 0.00 | 0.00 | 0.00 | 15 |
| 3773 | 0.00 | 0.00 | 0.00 | 16 |
| 3774 | 0.00 | 0.00 | 0.00 | 17 |
| 3775 | 0.00 | 0.00 | 0.00 | 16 |
| 3776 | 0.00 | 0.00 | 0.00 | 11 |
| 3777 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | |

| 3778 | 0.00 | 0.00 | 0.00 | 22 |
|------|------|------|------|----|
| | | | | |
| 3779 | 0.00 | 0.00 | 0.00 | 9 |
| 3780 | 1.00 | 0.15 | 0.27 | 13 |
| 3781 | 0.00 | 0.00 | 0.00 | 12 |
| 3782 | 0.00 | 0.00 | 0.00 | 23 |
| 3783 | 0.00 | 0.00 | 0.00 | 13 |
| 3784 | 0.00 | 0.00 | 0.00 | 15 |
| 3785 | 0.00 | 0.00 | 0.00 | 19 |
| 3786 | 0.00 | 0.00 | 0.00 | 17 |
| 3787 | 0.00 | 0.00 | 0.00 | 13 |
| 3788 | 0.00 | 0.00 | 0.00 | 18 |
| 3789 | 1.00 | 0.06 | 0.11 | 17 |
| 3790 | 0.00 | 0.00 | 0.00 | 14 |
| 3791 | 0.00 | 0.00 | 0.00 | 13 |
| | 0.00 | | | |
| 3792 | | 0.00 | 0.00 | 18 |
| 3793 | 0.00 | 0.00 | 0.00 | 12 |
| 3794 | 0.00 | 0.00 | 0.00 | 22 |
| 3795 | 0.00 | 0.00 | 0.00 | 14 |
| 3796 | 0.00 | 0.00 | 0.00 | 23 |
| 3797 | 0.00 | 0.00 | 0.00 | 8 |
| 3798 | 0.00 | 0.00 | 0.00 | 23 |
| 3799 | 0.00 | 0.00 | 0.00 | 9 |
| 3800 | 0.00 | 0.00 | 0.00 | 17 |
| 3801 | 0.00 | 0.00 | 0.00 | 17 |
| 3802 | 0.00 | 0.00 | 0.00 | 14 |
| 3803 | 0.00 | 0.00 | 0.00 | 21 |
| 3804 | 0.00 | 0.00 | 0.00 | 15 |
| 3805 | 0.00 | 0.00 | 0.00 | 13 |
| 3806 | 0.00 | 0.00 | 0.00 | 13 |
| | 0.00 | | | 10 |
| 3807 | | 0.00 | 0.00 | |
| 3808 | 0.00 | 0.00 | 0.00 | 14 |
| 3809 | 0.00 | 0.00 | 0.00 | 17 |
| 3810 | 0.00 | 0.00 | 0.00 | 21 |
| 3811 | 0.00 | 0.00 | 0.00 | 14 |
| 3812 | 0.00 | 0.00 | 0.00 | 18 |
| 3813 | 0.00 | 0.00 | 0.00 | 19 |
| 3814 | 0.00 | 0.00 | 0.00 | 16 |
| 3815 | 0.00 | 0.00 | 0.00 | 14 |
| 3816 | 0.00 | 0.00 | 0.00 | 14 |
| 3817 | 0.00 | 0.00 | 0.00 | 14 |
| 3818 | 0.00 | 0.00 | 0.00 | 15 |
| 3819 | 0.00 | 0.00 | 0.00 | 18 |
| 3820 | 0.00 | 0.00 | 0.00 | 16 |
| 3821 | 0.00 | 0.00 | 0.00 | 19 |
| 3822 | 0.00 | 0.00 | 0.00 | 21 |
| 3823 | 0.00 | 0.00 | 0.00 | 16 |
| 3824 | 0.00 | 0.00 | 0.00 | 17 |
| 3825 | 0.00 | 0.00 | 0.00 | 16 |
| 3826 | 0.00 | 0.00 | | |
| | 0.00 | 0.00 | 0.00 | 20 |
| 3827 | | | 0.00 | 17 |
| 3828 | 0.00 | 0.00 | 0.00 | 17 |
| 3829 | 0.00 | 0.00 | 0.00 | 16 |
| 3830 | 0.00 | 0.00 | 0.00 | 19 |
| 3831 | 0.00 | 0.00 | 0.00 | 15 |
| 3832 | 0.00 | 0.00 | 0.00 | 20 |
| 3833 | 0.00 | 0.00 | 0.00 | 16 |
| 3834 | 0.00 | 0.00 | 0.00 | 13 |
| 3835 | 0.00 | 0.00 | 0.00 | 14 |
| 3836 | 0.00 | 0.00 | 0.00 | 12 |
| 3837 | 0.00 | 0.00 | 0.00 | 14 |
| 3838 | 0.00 | 0.00 | 0.00 | 9 |
| 3839 | 0.00 | 0.00 | 0.00 | 13 |
| 3840 | 0.00 | 0.00 | 0.00 | 14 |
| 3841 | 0.00 | 0.00 | 0.00 | 19 |
| 3842 | 0.00 | 0.00 | 0.00 | 19 |
| 3843 | 0.00 | 0.00 | 0.00 | 16 |
| 3844 | 0.00 | 0.00 | 0.00 | 13 |
| 3845 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | 7 |
| 3846 | 0.00 | 0.00 | 0.00 | |
| 3847 | 0.00 | 0.00 | 0.00 | 16 |
| 3848 | 0.00 | 0.00 | 0.00 | 10 |
| 3849 | 0.00 | 0.00 | 0.00 | 19 |
| 3850 | 0.00 | 0.00 | 0.00 | 18 |
| 3851 | 0.00 | 0.00 | 0.00 | 11 |
| 3852 | 0.00 | 0.00 | 0.00 | 17 |
| 3853 | 0.00 | 0.00 | 0.00 | 13 |
| 3854 | 0.00 | 0.00 | 0.00 | 20 |

| 2055 | 0 00 | 0 00 | 0 00 | 2.0 |
|------|------|------|------|-----|
| 3855 | 0.00 | 0.00 | 0.00 | 20 |
| 3856 | 0.00 | 0.00 | 0.00 | 10 |
| 3857 | 0.00 | 0.00 | 0.00 | 20 |
| 3858 | 0.00 | 0.00 | 0.00 | 22 |
| 3859 | 0.00 | 0.00 | 0.00 | 13 |
| 3860 | 0.00 | 0.00 | 0.00 | 19 |
| 3861 | 0.00 | 0.00 | 0.00 | 16 |
| 3862 | 0.00 | 0.00 | 0.00 | 18 |
| 3863 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |
| 3864 | 1.00 | 0.15 | 0.27 | 13 |
| 3865 | 0.00 | 0.00 | 0.00 | 15 |
| 3866 | 0.00 | 0.00 | 0.00 | 13 |
| 3867 | 0.00 | 0.00 | 0.00 | 18 |
| 3868 | 0.00 | 0.00 | 0.00 | 13 |
| 3869 | 0.00 | 0.00 | 0.00 | 17 |
| 3870 | 0.00 | 0.00 | 0.00 | 14 |
| 3871 | 0.00 | 0.00 | 0.00 | 11 |
| 3872 | 0.00 | 0.00 | 0.00 | 10 |
| 3873 | 0.00 | 0.00 | 0.00 | 17 |
| 3874 | 0.00 | 0.00 | 0.00 | 9 |
| | | | | |
| 3875 | 0.00 | 0.00 | 0.00 | 13 |
| 3876 | 0.00 | 0.00 | 0.00 | 12 |
| 3877 | 0.00 | 0.00 | 0.00 | 13 |
| 3878 | 0.00 | 0.00 | 0.00 | 16 |
| 3879 | 0.00 | 0.00 | 0.00 | 17 |
| 3880 | 0.00 | 0.00 | 0.00 | 11 |
| 3881 | 0.00 | 0.00 | 0.00 | 17 |
| 3882 | 0.00 | 0.00 | 0.00 | 13 |
| 3883 | 0.00 | 0.00 | 0.00 | 11 |
| 3884 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | 17 |
| 3885 | 0.00 | 0.00 | 0.00 | |
| 3886 | 0.00 | 0.00 | 0.00 | 14 |
| 3887 | 1.00 | 0.20 | 0.33 | 10 |
| 3888 | 0.00 | 0.00 | 0.00 | 16 |
| 3889 | 0.00 | 0.00 | 0.00 | 13 |
| 3890 | 0.00 | 0.00 | 0.00 | 14 |
| 3891 | 0.00 | 0.00 | 0.00 | 15 |
| 3892 | 0.00 | 0.00 | 0.00 | 19 |
| 3893 | 0.00 | 0.00 | 0.00 | 9 |
| 3894 | 0.00 | 0.00 | 0.00 | 16 |
| 3895 | 0.00 | 0.00 | 0.00 | 18 |
| 3896 | 0.00 | 0.00 | 0.00 | 17 |
| 3897 | | 0.00 | 0.00 | 18 |
| 3898 | 0.00 | | | |
| | 0.00 | 0.00 | 0.00 | 10 |
| 3899 | 0.00 | 0.00 | 0.00 | 14 |
| 3900 | 0.00 | 0.00 | 0.00 | 22 |
| 3901 | 0.00 | 0.00 | 0.00 | 23 |
| 3902 | 0.00 | 0.00 | 0.00 | 11 |
| 3903 | 0.00 | 0.00 | 0.00 | 10 |
| 3904 | 0.00 | 0.00 | 0.00 | 7 |
| 3905 | 0.00 | 0.00 | 0.00 | 19 |
| 3906 | 1.00 | 0.13 | 0.24 | 15 |
| 3907 | 0.00 | 0.00 | 0.00 | 9 |
| 3908 | 0.00 | 0.00 | 0.00 | 12 |
| 3909 | 0.00 | 0.00 | 0.00 | 17 |
| 3910 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | 14 |
| 3911 | 0.00 | 0.00 | 0.00 | |
| 3912 | 0.00 | 0.00 | 0.00 | 18 |
| 3913 | 0.00 | 0.00 | 0.00 | 12 |
| 3914 | 0.00 | 0.00 | 0.00 | 15 |
| 3915 | 0.00 | 0.00 | 0.00 | 12 |
| 3916 | 0.00 | 0.00 | 0.00 | 14 |
| 3917 | 0.00 | 0.00 | 0.00 | 12 |
| 3918 | 0.00 | 0.00 | 0.00 | 11 |
| 3919 | 0.00 | 0.00 | 0.00 | 12 |
| 3920 | 0.00 | 0.00 | 0.00 | 24 |
| 3921 | 0.00 | 0.00 | 0.00 | 13 |
| 3922 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | |
| 3923 | 1.00 | 0.07 | 0.12 | 15 |
| 3924 | 0.00 | 0.00 | 0.00 | 10 |
| 3925 | 0.00 | 0.00 | 0.00 | 20 |
| 3926 | 0.00 | 0.00 | 0.00 | 15 |
| 3927 | 0.00 | 0.00 | 0.00 | 20 |
| 3928 | 0.00 | 0.00 | 0.00 | 11 |
| 3929 | 0.00 | 0.00 | 0.00 | 15 |
| 3930 | 0.00 | 0.00 | 0.00 | 8 |
| 3931 | 0.00 | 0.00 | 0.00 | 16 |
| | | | | |
| | | | | |

| 3932 | 0.00 | 0.00 | 0.00 | 15 |
|------|------|------|------|----|
| 3933 | 0.00 | 0.00 | 0.00 | 15 |
| 3934 | 0.00 | 0.00 | 0.00 | 17 |
| | | | | |
| 3935 | 0.00 | 0.00 | 0.00 | 10 |
| 3936 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | 14 |
| 3937 | 0.00 | 0.00 | 0.00 | |
| 3938 | 0.00 | 0.00 | 0.00 | 19 |
| 3939 | 0.00 | 0.00 | 0.00 | 17 |
| 3940 | 0.00 | 0.00 | 0.00 | 19 |
| | | | | |
| 3941 | 0.00 | 0.00 | 0.00 | 13 |
| 3942 | 0.00 | 0.00 | 0.00 | 12 |
| 3943 | 0.00 | 0.00 | 0.00 | |
| | | | | 18 |
| 3944 | 0.00 | 0.00 | 0.00 | 17 |
| 3945 | 0.00 | 0.00 | 0.00 | 17 |
| 3946 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 3947 | 0.00 | 0.00 | 0.00 | 15 |
| 3948 | 0.00 | 0.00 | 0.00 | 14 |
| 3949 | 0.00 | 0.00 | 0.00 | 17 |
| | | | | |
| 3950 | 0.00 | 0.00 | 0.00 | 14 |
| 3951 | 0.00 | 0.00 | 0.00 | 15 |
| 3952 | 0.00 | 0.00 | 0.00 | 17 |
| | | 0.00 | | |
| 3953 | 0.00 | | 0.00 | 11 |
| 3954 | 0.00 | 0.00 | 0.00 | 14 |
| 3955 | 0.00 | 0.00 | 0.00 | 15 |
| 3956 | 0.00 | 0.00 | 0.00 | 17 |
| | | | | |
| 3957 | 0.00 | 0.00 | 0.00 | 9 |
| 3958 | 0.00 | 0.00 | 0.00 | 20 |
| 3959 | 1.00 | 0.33 | 0.50 | 9 |
| | | | | |
| 3960 | 0.00 | 0.00 | 0.00 | 13 |
| 3961 | 0.00 | 0.00 | 0.00 | 18 |
| 3962 | 0.00 | 0.00 | 0.00 | 14 |
| | | | | |
| 3963 | 0.00 | 0.00 | 0.00 | 15 |
| 3964 | 0.00 | 0.00 | 0.00 | 13 |
| 3965 | 0.00 | 0.00 | 0.00 | 16 |
| 3966 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | |
| 3967 | 0.00 | 0.00 | 0.00 | 15 |
| 3968 | 0.00 | 0.00 | 0.00 | 17 |
| 3969 | 0.00 | 0.00 | 0.00 | 20 |
| | | | | |
| 3970 | 0.00 | 0.00 | 0.00 | 16 |
| 3971 | 0.00 | 0.00 | 0.00 | 19 |
| 3972 | 1.00 | 0.12 | 0.22 | 16 |
| 3973 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | |
| 3974 | 0.00 | 0.00 | 0.00 | 8 |
| 3975 | 0.00 | 0.00 | 0.00 | 16 |
| 3976 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | |
| 3977 | 0.00 | 0.00 | 0.00 | 14 |
| 3978 | 0.00 | 0.00 | 0.00 | 16 |
| 3979 | 0.00 | 0.00 | 0.00 | 13 |
| 3980 | 0.00 | 0.00 | 0.00 | 28 |
| | | | | |
| 3981 | 0.00 | 0.00 | 0.00 | 16 |
| 3982 | 0.00 | 0.00 | 0.00 | 12 |
| 3983 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 3984 | 0.00 | 0.00 | 0.00 | 12 |
| 3985 | 0.00 | 0.00 | 0.00 | 15 |
| 3986 | 0.00 | 0.00 | 0.00 | 10 |
| 3987 | 0.00 | 0.00 | 0.00 | 20 |
| | | | | |
| 3988 | 0.00 | 0.00 | 0.00 | 17 |
| 3989 | 0.00 | 0.00 | 0.00 | 14 |
| 3990 | 0.00 | 0.00 | 0.00 | 11 |
| 3991 | 0.00 | 0.00 | 0.00 | 14 |
| | | | | |
| 3992 | 0.00 | 0.00 | 0.00 | 13 |
| 3993 | 1.00 | 0.23 | 0.38 | 13 |
| 3994 | 0.00 | 0.00 | 0.00 | 18 |
| | | | | |
| 3995 | 0.00 | 0.00 | 0.00 | 13 |
| 3996 | 0.00 | 0.00 | 0.00 | 13 |
| 3997 | 0.00 | 0.00 | 0.00 | 19 |
| 3998 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |
| 3999 | 1.00 | 0.13 | 0.24 | 15 |
| 4000 | 0.00 | 0.00 | 0.00 | 20 |
| 4001 | 0.00 | 0.00 | 0.00 | 16 |
| 4002 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |
| 4003 | 0.00 | 0.00 | 0.00 | 14 |
| 4004 | 0.00 | 0.00 | 0.00 | 15 |
| 4005 | 0.00 | 0.00 | 0.00 | 21 |
| | | | | |
| 4006 | 0.00 | 0.00 | 0.00 | 12 |
| 4007 | 0.00 | 0.00 | 0.00 | 15 |
| 4008 | 0.00 | 0.00 | 0.00 | 9 |
| | | | | |

| 4009 | 0.50 | 0.06 | 0.11 | 16 |
|------|------|------|------|---------|
| 4010 | 0.00 | 0.00 | 0.00 | 12 |
| 4011 | 0.00 | 0.00 | 0.00 | 16 |
| 4012 | 0.00 | 0.00 | 0.00 | 19 |
| 4013 | 0.00 | 0.00 | 0.00 | 13 |
| 4014 | 0.00 | 0.00 | 0.00 | 13 |
| 4015 | 0.00 | 0.00 | 0.00 | 13 |
| 4016 | 0.00 | 0.00 | 0.00 | 16 |
| 4017 | 0.00 | 0.00 | 0.00 | 17 |
| 4018 | 0.00 | 0.00 | 0.00 | 10 |
| 4019 | 0.00 | 0.00 | 0.00 | 12 |
| 4020 | 0.00 | 0.00 | 0.00 | 13 |
| 4021 | 0.00 | 0.00 | 0.00 | 17 |
| 4022 | 0.00 | 0.00 | 0.00 | 16 |
| 4023 | 0.00 | 0.00 | 0.00 | 14 |
| 4024 | 0.00 | 0.00 | 0.00 | 11 |
| 4025 | 0.00 | 0.00 | 0.00 | 8 |
| 4026 | 0.00 | 0.00 | 0.00 | 8 |
| 4027 | 0.00 | 0.00 | 0.00 | 18 |
| | | | 0.00 | 13 |
| 4028 | 0.00 | 0.00 | | |
| 4029 | 0.00 | 0.00 | 0.00 | 11 |
| 4030 | 0.00 | 0.00 | 0.00 | 19 |
| 4031 | 0.00 | 0.00 | 0.00 | 9 |
| 4032 | 0.00 | 0.00 | 0.00 | 12 |
| 4033 | 0.00 | 0.00 | 0.00 | 14 |
| 4034 | 0.00 | 0.00 | 0.00 | 17 |
| 4035 | 0.00 | 0.00 | 0.00 | 10 |
| 4036 | 0.00 | 0.00 | 0.00 | 12 |
| 4037 | 0.00 | 0.00 | 0.00 | 13 |
| 4038 | 0.00 | 0.00 | 0.00 | 13 |
| 4039 | 0.00 | 0.00 | 0.00 | 13 |
| 4040 | 0.00 | 0.00 | 0.00 | 12 |
| 4041 | 0.00 | 0.00 | 0.00 | 17 |
| 4042 | 0.00 | 0.00 | 0.00 | 10 |
| 4043 | 0.00 | 0.00 | 0.00 | 15 |
| 4044 | 0.00 | 0.00 | 0.00 | 13 |
| 4045 | 0.00 | 0.00 | 0.00 | 20 |
| 4046 | 0.00 | 0.00 | 0.00 | 16 |
| 4047 | 0.00 | 0.00 | 0.00 | 12 |
| 4048 | 0.00 | 0.00 | 0.00 | 16 |
| 4049 | 0.00 | 0.00 | 0.00 | 14 |
| 4050 | 0.00 | 0.00 | 0.00 | 15 |
| 4051 | 0.00 | 0.00 | 0.00 | 20 |
| 4052 | 0.00 | 0.00 | 0.00 | 10 |
| 4053 | 0.00 | 0.00 | 0.00 | 14 |
| 4054 | 0.00 | 0.00 | 0.00 | 14 |
| 4055 | 0.00 | 0.00 | 0.00 | 5 |
| 4056 | 0.00 | 0.00 | 0.00 | 15 |
| 4057 | 1.00 | 0.07 | 0.12 | 15 |
| 4058 | 0.00 | 0.00 | 0.00 | 17 |
| 4059 | 0.00 | 0.00 | 0.00 | 13 |
| 4060 | 0.00 | 0.00 | 0.00 | 14 |
| 4061 | 0.00 | 0.00 | 0.00 | 10 |
| 4062 | 0.00 | 0.00 | 0.00 | 15 |
| 4063 | 0.00 | 0.00 | 0.00 | 15 |
| 4064 | 0.00 | 0.00 | 0.00 | 17 |
| 4065 | 0.00 | 0.00 | 0.00 | 17 |
| 4066 | 0.00 | 0.00 | 0.00 | 14 |
| 4067 | 0.00 | 0.00 | 0.00 | 15 |
| 4068 | 0.00 | 0.00 | 0.00 | 21 |
| 4069 | 0.00 | 0.00 | 0.00 | 9 |
| 4070 | 0.00 | 0.00 | 0.00 | 9 |
| 4071 | 0.00 | 0.00 | 0.00 | 21 |
| 4072 | 0.00 | 0.00 | 0.00 | 18 |
| | | | | |
| 4073 | 0.00 | 0.00 | 0.00 | 9 12 |
| 4074 | 0.00 | 0.00 | 0.00 | 12 |
| 4075 | 0.00 | 0.00 | 0.00 | 20 |
| 4076 | 0.00 | 0.00 | 0.00 | 15 |
| 4077 | 0.00 | 0.00 | 0.00 | 15 |
| 4078 | 0.00 | 0.00 | 0.00 | 9 |
| 4079 | 0.00 | 0.00 | 0.00 | 15 |
| 4080 | 0.00 | 0.00 | 0.00 | 19 |
| 4081 | 0.00 | 0.00 | 0.00 | 10 |
| 4082 | 0.00 | 0.00 | 0.00 | 11 |
| 4083 | 0.00 | 0.00 | 0.00 | 12 |
| 4084 | 0.00 | 0.00 | 0.00 | 14 |
| 4085 | 0.00 | 0.00 | 0.00 | 9 |

| | | | | ~ |
|------|------|------|------|----|
| 4086 | 0.00 | 0.00 | 0.00 | 9 |
| 4087 | 0.00 | 0.00 | 0.00 | 9 |
| 4088 | 0.00 | 0.00 | 0.00 | 18 |
| 4089 | 0.00 | 0.00 | 0.00 | 14 |
| 4090 | 0.00 | 0.00 | 0.00 | 18 |
| 4091 | 0.00 | 0.00 | 0.00 | 14 |
| 4092 | 0.00 | 0.00 | 0.00 | 13 |
| 4093 | 0.00 | 0.00 | 0.00 | 16 |
| 4094 | 0.00 | 0.00 | 0.00 | 14 |
| 4095 | 0.00 | 0.00 | 0.00 | 19 |
| 4096 | 0.00 | 0.00 | 0.00 | 15 |
| 4097 | 0.00 | 0.00 | 0.00 | 14 |
| 4098 | 0.00 | 0.00 | 0.00 | 16 |
| 4099 | 0.00 | 0.00 | 0.00 | 21 |
| 4100 | 0.00 | 0.00 | 0.00 | 18 |
| 4101 | 0.00 | 0.00 | 0.00 | 15 |
| 4102 | 0.00 | 0.00 | 0.00 | 15 |
| 4103 | 0.00 | 0.00 | 0.00 | 17 |
| 4104 | 0.00 | 0.00 | 0.00 | 13 |
| 4105 | 0.00 | 0.00 | 0.00 | 15 |
| 4106 | 0.00 | 0.00 | 0.00 | 14 |
| 4107 | 0.00 | 0.00 | 0.00 | 13 |
| 4108 | 0.00 | 0.00 | 0.00 | 15 |
| 4109 | 0.00 | 0.00 | 0.00 | 15 |
| 4110 | 0.00 | 0.00 | 0.00 | 13 |
| 4111 | 0.00 | 0.00 | 0.00 | 16 |
| 4112 | 0.00 | 0.00 | 0.00 | 13 |
| 4113 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 4114 | 0.00 | 0.00 | 0.00 | 13 |
| 4115 | 0.00 | 0.00 | 0.00 | 11 |
| 4116 | 0.00 | 0.00 | 0.00 | 15 |
| 4117 | 0.00 | 0.00 | 0.00 | 12 |
| 4118 | 0.00 | 0.00 | 0.00 | 12 |
| 4119 | 0.00 | 0.00 | 0.00 | 18 |
| 4120 | 1.00 | 0.09 | 0.17 | 11 |
| 4121 | 0.00 | 0.00 | 0.00 | 9 |
| 4122 | 0.00 | 0.00 | 0.00 | 12 |
| 4123 | 0.00 | 0.00 | 0.00 | 11 |
| 4124 | 0.00 | 0.00 | 0.00 | 9 |
| 4125 | 0.00 | 0.00 | 0.00 | 9 |
| 4126 | 0.00 | 0.00 | 0.00 | 15 |
| 4127 | 0.00 | 0.00 | 0.00 | 16 |
| 4128 | 0.00 | 0.00 | 0.00 | 13 |
| 4129 | 0.00 | 0.00 | 0.00 | 11 |
| 4130 | 0.00 | 0.00 | 0.00 | 7 |
| 4131 | 0.00 | 0.00 | 0.00 | 12 |
| 4132 | 0.00 | 0.00 | 0.00 | 15 |
| 4133 | 1.00 | 0.08 | 0.15 | 12 |
| 4134 | 0.00 | 0.00 | 0.00 | 16 |
| 4135 | 0.00 | 0.00 | 0.00 | 16 |
| 4136 | 0.00 | 0.00 | 0.00 | 11 |
| 4137 | 0.00 | 0.00 | 0.00 | 12 |
| 4138 | 0.00 | 0.00 | 0.00 | 12 |
| 4139 | 0.00 | 0.00 | 0.00 | 21 |
| 4140 | 0.00 | 0.00 | 0.00 | 13 |
| 4141 | 0.00 | 0.00 | 0.00 | 7 |
| 4142 | 0.00 | 0.00 | 0.00 | 12 |
| 4143 | 0.00 | 0.00 | 0.00 | 19 |
| 4144 | 0.00 | 0.00 | 0.00 | 10 |
| 4145 | 0.00 | 0.00 | 0.00 | 13 |
| 4146 | 0.00 | 0.00 | 0.00 | 18 |
| 4147 | 0.00 | 0.00 | 0.00 | 14 |
| 4148 | 0.00 | 0.00 | 0.00 | 11 |
| 4149 | 0.00 | 0.00 | 0.00 | 7 |
| 4150 | 0.00 | 0.00 | 0.00 | 10 |
| 4151 | 0.00 | 0.00 | 0.00 | 18 |
| 4152 | 0.00 | 0.00 | 0.00 | 14 |
| 4153 | 0.00 | 0.00 | 0.00 | 16 |
| 4154 | 0.00 | 0.00 | 0.00 | 12 |
| 4155 | 0.00 | 0.00 | 0.00 | 10 |
| 4156 | 0.00 | 0.00 | 0.00 | 15 |
| 4157 | 0.00 | 0.00 | 0.00 | 16 |
| 4158 | 0.00 | 0.00 | 0.00 | 19 |
| 4159 | 0.00 | 0.00 | 0.00 | 10 |
| 4160 | 0.00 | 0.00 | 0.00 | 17 |
| 4161 | 0.00 | 0.00 | 0.00 | 18 |
| 4162 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |

| 1102 | 0.00 | J. J. | 0.00 | |
|------|------|-------|------|----|
| 4163 | 0.00 | 0.00 | 0.00 | 11 |
| 4164 | 0.00 | 0.00 | 0.00 | 8 |
| 4165 | 0.00 | 0.00 | 0.00 | 17 |
| 4166 | 0.00 | 0.00 | 0.00 | 17 |
| 4167 | 0.00 | 0.00 | 0.00 | 8 |
| 4168 | 0.00 | 0.00 | 0.00 | 12 |
| 4169 | 0.00 | 0.00 | 0.00 | 19 |
| 4170 | 0.00 | 0.00 | 0.00 | 15 |
| | | | | |
| 4171 | 0.00 | 0.00 | 0.00 | 10 |
| 4172 | | 0.00 | 0.00 | 17 |
| 4173 | 0.00 | 0.00 | 0.00 | 12 |
| 4174 | 0.00 | 0.00 | 0.00 | 14 |
| 4175 | 0.00 | 0.00 | 0.00 | 18 |
| 4176 | 0.00 | 0.00 | 0.00 | 8 |
| 4177 | 0.00 | 0.00 | 0.00 | 20 |
| 4178 | 0.00 | 0.00 | 0.00 | 15 |
| 4179 | 0.00 | 0.00 | 0.00 | 16 |
| 4180 | 0.00 | 0.00 | 0.00 | 12 |
| 4181 | 0.00 | 0.00 | 0.00 | 18 |
| 4182 | 0.00 | 0.00 | 0.00 | 8 |
| 4183 | 0.00 | 0.00 | 0.00 | 18 |
| 4184 | 0.00 | 0.00 | 0.00 | 16 |
| 4185 | 0.00 | 0.00 | 0.00 | 12 |
| 4186 | 0.00 | 0.00 | 0.00 | 16 |
| 4187 | 0.00 | 0.00 | 0.00 | 14 |
| 4188 | 0.00 | 0.00 | 0.00 | 17 |
| 4189 | 0.00 | 0.00 | 0.00 | 13 |
| 4190 | 0.00 | 0.00 | 0.00 | 11 |
| 4191 | 0.00 | 0.00 | 0.00 | 14 |
| 4192 | 0.00 | 0.00 | 0.00 | 11 |
| 4193 | 0.00 | 0.00 | 0.00 | 11 |
| 4194 | 0.00 | 0.00 | 0.00 | 17 |
| 4195 | 0.00 | 0.00 | 0.00 | 6 |
| 4196 | 0.00 | 0.00 | 0.00 | 17 |
| 4197 | 0.00 | 0.00 | 0.00 | 13 |
| 4198 | 0.00 | 0.00 | 0.00 | 12 |
| 4199 | 0.00 | 0.00 | 0.00 | 9 |
| 4200 | 0.00 | 0.00 | 0.00 | 12 |
| 4201 | 0.00 | 0.00 | 0.00 | 13 |
| 4202 | 0.00 | 0.00 | 0.00 | 13 |
| 4203 | 0.00 | 0.00 | 0.00 | 15 |
| 4203 | 0.00 | | | 15 |
| | 0.00 | 0.00 | 0.00 | |
| 4205 | | | 0.00 | 11 |
| 4206 | 0.00 | 0.00 | 0.00 | 14 |
| 4207 | 0.00 | 0.00 | 0.00 | 9 |
| 4208 | 0.00 | 0.00 | 0.00 | 15 |
| 4209 | 0.00 | 0.00 | 0.00 | 14 |
| 4210 | 0.00 | 0.00 | 0.00 | 11 |
| 4211 | 0.00 | 0.00 | 0.00 | 12 |
| 4212 | 0.00 | 0.00 | 0.00 | 12 |
| 4213 | 0.00 | 0.00 | 0.00 | 14 |
| 4214 | 0.00 | 0.00 | 0.00 | 9 |
| 4215 | 0.00 | 0.00 | 0.00 | 7 |
| 4216 | 0.00 | 0.00 | 0.00 | 12 |
| 4217 | 0.00 | 0.00 | 0.00 | 11 |
| 4218 | 0.00 | 0.00 | 0.00 | 13 |
| 4219 | 1.00 | 0.09 | 0.17 | 11 |
| 4220 | 1.00 | 0.07 | 0.13 | 14 |
| 4221 | 0.00 | 0.00 | 0.00 | 11 |
| 4222 | 1.00 | 0.08 | 0.14 | 13 |
| 4223 | 0.00 | 0.00 | 0.00 | 4 |
| 4224 | 0.00 | 0.00 | 0.00 | 12 |
| 4225 | 0.00 | 0.00 | 0.00 | 13 |
| 4226 | 0.00 | 0.00 | 0.00 | 7 |
| 4227 | 0.00 | 0.00 | 0.00 | 14 |
| 4228 | 0.00 | 0.00 | 0.00 | 9 |
| 4229 | 0.00 | 0.00 | 0.00 | 14 |
| 4230 | 0.00 | 0.00 | 0.00 | 11 |
| 4231 | 0.00 | 0.00 | 0.00 | 13 |
| 4232 | 0.00 | 0.00 | 0.00 | 16 |
| 4233 | 0.00 | 0.00 | 0.00 | 20 |
| 4234 | 0.00 | 0.00 | 0.00 | 12 |
| 4235 | 0.00 | 0.00 | 0.00 | 12 |
| 4236 | 0.00 | 0.00 | 0.00 | 13 |
| 4237 | 0.00 | 0.00 | 0.00 | 11 |
| 4238 | 0.00 | 0.00 | 0.00 | 15 |
| 4230 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |

| コムシン | 0.00 | 0.00 | 0.00 | ⊥ ∪ |
|------|------|------|------|---------|
| 4240 | 0.00 | 0.00 | 0.00 | 11 |
| 4241 | 0.00 | 0.00 | 0.00 | 17 |
| 4242 | 0.00 | 0.00 | 0.00 | 16 |
| 4243 | 0.00 | 0.00 | 0.00 | 17 |
| 4244 | 0.00 | 0.00 | 0.00 | 12 |
| 4245 | 0.00 | 0.00 | 0.00 | 16 |
| | 0.00 | | | |
| 4246 | | 0.00 | 0.00 | 10 |
| 4247 | 0.00 | 0.00 | 0.00 | 19 |
| 4248 | 0.00 | 0.00 | 0.00 | 9 |
| 4249 | 0.00 | 0.00 | 0.00 | 15 |
| 4250 | 0.00 | 0.00 | 0.00 | 18 |
| 4251 | 0.00 | 0.00 | 0.00 | 11 |
| 4252 | 0.00 | 0.00 | 0.00 | 9 |
| 4253 | 0.00 | 0.00 | 0.00 | 16 |
| 4254 | 0.00 | 0.00 | 0.00 | 13 |
| 4255 | 0.00 | 0.00 | 0.00 | 7 |
| 4256 | 0.00 | 0.00 | 0.00 | 11 |
| 4257 | 0.00 | 0.00 | 0.00 | 17 |
| 4258 | 0.00 | 0.00 | 0.00 | 12 |
| 4259 | 0.00 | 0.00 | 0.00 | 12 |
| 4260 | 0.00 | 0.00 | 0.00 | 17 |
| 4261 | 0.00 | 0.00 | 0.00 | 12 |
| 4262 | 0.00 | 0.00 | 0.00 | 10 |
| 4263 | 0.00 | 0.00 | 0.00 | 21 |
| 4264 | 0.00 | 0.00 | 0.00 | 16 |
| 4265 | 0.00 | 0.00 | 0.00 | 13 |
| 4266 | 0.00 | 0.00 | 0.00 | 13 |
| 4267 | 0.00 | 0.00 | 0.00 | 12 |
| 4268 | 0.00 | 0.00 | 0.00 | 14 |
| 4269 | | | | |
| | 0.00 | 0.00 | 0.00 | 16 |
| 4270 | 0.00 | 0.00 | 0.00 | 12 |
| 4271 | 0.00 | 0.00 | 0.00 | 10 |
| 4272 | 0.00 | 0.00 | 0.00 | 15 |
| 4273 | 0.00 | 0.00 | 0.00 | 9 |
| 4274 | 0.00 | 0.00 | 0.00 | 17 |
| 4275 | 0.00 | 0.00 | 0.00 | 16 |
| 4276 | 0.00 | 0.00 | 0.00 | 8 |
| 4277 | 0.00 | 0.00 | 0.00 | 14 |
| 4278 | 0.00 | 0.00 | 0.00 | 18 |
| 4279 | 0.00 | 0.00 | 0.00 | 17 |
| 4280 | 0.00 | 0.00 | 0.00 | 12 |
| 4281 | 0.00 | 0.00 | 0.00 | 4 |
| 4282 | 0.00 | 0.00 | 0.00 | 17 |
| 4283 | 0.00 | 0.00 | 0.00 | 14 |
| 4284 | 0.00 | 0.00 | 0.00 | 15 |
| 4285 | 0.00 | 0.00 | 0.00 | 22 |
| 4286 | 0.00 | 0.00 | 0.00 | 18 |
| 4287 | 0.00 | 0.00 | 0.00 | 9 |
| 4288 | 0.00 | 0.00 | 0.00 | 14 |
| 4289 | 0.00 | 0.00 | 0.00 | 9 |
| 4290 | 0.00 | 0.00 | 0.00 | 12 |
| 4291 | 0.00 | 0.00 | 0.00 | 11 |
| 4292 | 1.00 | 0.06 | 0.11 | 17 |
| 4293 | 0.00 | 0.00 | 0.00 | 8 |
| 4294 | 0.00 | 0.00 | 0.00 | 8 |
| 4295 | 0.00 | 0.00 | 0.00 | 9 |
| 4296 | 0.00 | 0.00 | 0.00 | 9 |
| 4297 | 0.00 | 0.00 | 0.00 | 19 |
| 4298 | 0.00 | 0.00 | 0.00 | 11 |
| 4299 | 0.00 | 0.00 | 0.00 | |
| 4300 | 0.00 | 0.00 | 0.00 | 6 13 |
| | | | | |
| 4301 | 0.00 | 0.00 | 0.00 | 14 |
| 4302 | 0.00 | 0.00 | 0.00 | 14 |
| 4303 | 0.00 | 0.00 | 0.00 | 15 |
| 4304 | 0.00 | 0.00 | 0.00 | 1 2 |
| 4305 | 0.00 | 0.00 | 0.00 | 13 |
| 4306 | 0.00 | 0.00 | 0.00 | 12 |
| 4307 | 0.00 | 0.00 | 0.00 | 7 |
| 4308 | 0.00 | 0.00 | 0.00 | 19 |
| 4309 | 0.00 | 0.00 | 0.00 | 12 |
| 4310 | 0.00 | 0.00 | 0.00 | 15 |
| 4311 | 0.00 | 0.00 | 0.00 | 13 |
| 4312 | 0.00 | 0.00 | 0.00 | 20 |
| 4313 | 0.00 | 0.00 | 0.00 | 10 |
| 4314 | 0.00 | 0.00 | 0.00 | 10 |
| 4315 | 0.00 | 0.00 | 0.00 | 12 |
| 1216 | 0 00 | 0 00 | 0 00 | 11 |

| ASTO | 0.00 | 0.00 | 0.00 | т т |
|------|------|------|------|-----|
| 4317 | 0.00 | 0.00 | 0.00 | 11 |
| 4318 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 4319 | 0.00 | 0.00 | 0.00 | 11 |
| 4320 | 0.00 | 0.00 | 0.00 | 10 |
| 4321 | 0.00 | 0.00 | 0.00 | 13 |
| 4322 | 0.00 | 0.00 | 0.00 | 10 |
| 4323 | 0.00 | 0.00 | 0.00 | 14 |
| 4324 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 4325 | 0.00 | 0.00 | 0.00 | 8 |
| 4326 | 0.00 | 0.00 | 0.00 | 13 |
| 4327 | 0.00 | 0.00 | 0.00 | 15 |
| 4328 | 0.00 | 0.00 | 0.00 | 15 |
| 4329 | 0.00 | 0.00 | 0.00 | 15 |
| 4330 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 4331 | 0.00 | 0.00 | 0.00 | 9 |
| 4332 | 0.00 | 0.00 | 0.00 | 12 |
| 4333 | 0.00 | 0.00 | 0.00 | 13 |
| 4334 | 0.00 | 0.00 | 0.00 | 12 |
| 4335 | 0.00 | 0.00 | 0.00 | 16 |
| 4336 | 0.00 | 0.00 | 0.00 | 14 |
| 4337 | 0.00 | 0.00 | 0.00 | 11 |
| 4338 | 0.00 | 0.00 | 0.00 | 11 |
| 4339 | 0.00 | 0.00 | 0.00 | 18 |
| | | | | |
| 4340 | 0.00 | 0.00 | 0.00 | 12 |
| 4341 | 0.00 | 0.00 | 0.00 | 13 |
| 4342 | 0.00 | 0.00 | 0.00 | 6 |
| 4343 | 0.00 | 0.00 | 0.00 | 16 |
| 4344 | 0.00 | 0.00 | 0.00 | 14 |
| 4345 | 0.00 | 0.00 | 0.00 | 15 |
| 4346 | 0.00 | 0.00 | 0.00 | 10 |
| 4347 | 0.00 | 0.00 | | 14 |
| | | | 0.00 | |
| 4348 | 0.00 | 0.00 | 0.00 | 12 |
| 4349 | 0.00 | 0.00 | 0.00 | 14 |
| 4350 | 0.00 | 0.00 | 0.00 | 17 |
| 4351 | 0.00 | 0.00 | 0.00 | 16 |
| 4352 | 0.00 | 0.00 | 0.00 | 11 |
| 4353 | 0.00 | 0.00 | 0.00 | 9 |
| 4354 | 0.00 | 0.00 | 0.00 | 17 |
| 4355 | 0.00 | 0.00 | 0.00 | 23 |
| | | | | |
| 4356 | 0.00 | 0.00 | 0.00 | 6 |
| 4357 | 0.00 | 0.00 | 0.00 | 10 |
| 4358 | 0.00 | 0.00 | 0.00 | 9 |
| 4359 | 0.00 | 0.00 | 0.00 | 10 |
| 4360 | 0.00 | 0.00 | 0.00 | 17 |
| 4361 | 0.00 | 0.00 | 0.00 | 5 |
| 4362 | 0.00 | 0.00 | 0.00 | 13 |
| 4363 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |
| 4364 | 0.00 | 0.00 | 0.00 | 17 |
| 4365 | 0.00 | 0.00 | 0.00 | 14 |
| 4366 | 0.00 | 0.00 | 0.00 | 13 |
| 4367 | 0.00 | 0.00 | 0.00 | 10 |
| 4368 | 0.75 | 0.17 | 0.27 | 18 |
| 4369 | 0.00 | 0.00 | 0.00 | 7 |
| 4370 | 0.00 | 0.00 | 0.00 | 12 |
| 4371 | 0.00 | 0.00 | 0.00 | 14 |
| 4372 | 0.00 | 0.00 | 0.00 | 6 |
| | | | | |
| 4373 | 0.00 | 0.00 | 0.00 | 16 |
| 4374 | 0.00 | 0.00 | 0.00 | 16 |
| 4375 | 0.00 | 0.00 | 0.00 | 11 |
| 4376 | 0.00 | 0.00 | 0.00 | 18 |
| 4377 | 0.00 | 0.00 | 0.00 | 9 |
| 4378 | 0.00 | 0.00 | 0.00 | 14 |
| 4379 | 0.00 | 0.00 | 0.00 | 8 |
| 4380 | 0.00 | 0.00 | 0.00 | 9 |
| 4381 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |
| 4382 | 0.00 | 0.00 | 0.00 | 16 |
| 4383 | 0.00 | 0.00 | 0.00 | 13 |
| 4384 | 0.00 | 0.00 | 0.00 | 9 |
| 4385 | 0.00 | 0.00 | 0.00 | 12 |
| 4386 | 0.00 | 0.00 | 0.00 | 14 |
| 4387 | 0.00 | 0.00 | 0.00 | 11 |
| 4388 | 0.00 | 0.00 | 0.00 | 8 |
| 4389 | 0.00 | 0.00 | 0.00 | 12 |
| 4390 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | |
| 4391 | 0.00 | 0.00 | 0.00 | 16 |
| 4392 | 0.00 | 0.00 | 0.00 | 7 |
| NOUS | 0 00 | 0 00 | 0 00 | 0 |
| | | | | |

| 4393 | U.UU | U.UU | U.UU | 0 |
|--------------|------|------|------|----------|
| 4394 | 0.00 | 0.00 | 0.00 | 11 |
| 4395 | 0.00 | 0.00 | 0.00 | 9 |
| 4396 | 0.00 | 0.00 | 0.00 | 11 |
| 4397 | 0.00 | 0.00 | 0.00 | 13 |
| 4398 | 0.00 | 0.00 | 0.00 | 17 |
| 4399 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | 17 |
| 4400 | 0.00 | 0.00 | 0.00 | |
| 4401 | 0.00 | 0.00 | | 8 |
| 4402 | | | 0.13 | 12 |
| 4403 4404 | 0.00 | 0.00 | 0.00 | 14 |
| 4404 | 0.00 | 0.00 | 0.00 | 14 |
| | 0.00 | 0.00 | 0.00 | 10 |
| 4406 | 0.00 | 0.00 | 0.00 | 14 |
| 4407 | 0.00 | 0.00 | 0.00 | 13 13 |
| 4408 | 0.00 | 0.00 | 0.00 | |
| 4409 | 0.00 | 0.00 | 0.00 | 11 |
| 4410 | 0.00 | 0.00 | 0.00 | 16 |
| 4411 | 0.00 | 0.00 | 0.00 | 12 |
| 4412 | 0.00 | 0.00 | 0.00 | 10 |
| 4413 | 0.00 | 0.00 | 0.00 | 16 |
| 4414 | 0.00 | 0.00 | 0.00 | 14 |
| 4415 | 0.00 | 0.00 | 0.00 | 11 |
| 4416 | 0.00 | 0.00 | 0.00 | 14 |
| 4417 | 0.00 | 0.00 | 0.00 | 13 |
| 4418 | 0.00 | 0.00 | 0.00 | 8 |
| 4419 | 0.00 | 0.00 | 0.00 | 12 |
| 4420 | 0.00 | 0.00 | 0.00 | 13 |
| 4421 | 0.00 | 0.00 | 0.00 | 15 |
| 4422 | 0.00 | 0.00 | 0.00 | 14 |
| 4423 | 0.00 | 0.00 | 0.00 | 15 |
| 4424 | 0.00 | 0.00 | 0.00 | 9 |
| 4425 | 0.00 | 0.00 | 0.00 | 10 |
| 4426 | 0.00 | 0.00 | 0.00 | 17 |
| 4427 | 0.00 | 0.00 | 0.00 | 12 |
| 4428 | 0.00 | 0.00 | 0.00 | 12 |
| 4429 | 0.00 | 0.00 | 0.00 | 13 |
| 4430 | 0.00 | 0.00 | 0.00 | 10 |
| 4431 | 0.00 | 0.00 | 0.00 | 10 |
| 4432 | 0.00 | 0.00 | 0.00 | 10 |
| 4433 | 0.00 | 0.00 | 0.00 | 15 |
| 4434 | 0.00 | 0.00 | 0.00 | 13 |
| 4435 | 0.00 | 0.00 | 0.00 | 21 |
| 4436 | 0.00 | 0.00 | 0.00 | 17 |
| 4437 4438 | 0.00 | 0.00 | 0.00 | 9 |
| 4439 | 0.00 | 0.00 | 0.00 | 11 |
| 4440 | 0.00 | 0.00 | 0.00 | 17 14 |
| 4441 | 0.00 | 0.00 | 0.00 | 15 |
| 4442 | 0.00 | 0.00 | 0.00 | 8 |
| 4443 | 0.00 | 0.00 | 0.00 | 13 |
| 4444 | 0.00 | 0.00 | 0.00 | 10 |
| 4445 | 0.00 | 0.00 | 0.00 | 13 |
| 4446 | 0.00 | 0.00 | 0.00 | 10 |
| 4447 | 0.00 | 0.00 | 0.00 | 10 |
| 4448 | 0.00 | 0.00 | 0.00 | 7 |
| 4449 | 0.00 | 0.00 | 0.00 | 12 |
| 4450 | 0.00 | 0.00 | 0.00 | 8 |
| 4451 | 0.00 | 0.00 | 0.00 | 13 |
| 4452 | 0.00 | 0.00 | 0.00 | 15 |
| 4453 | 0.00 | 0.00 | 0.00 | 8 |
| 4454 | 0.00 | 0.00 | 0.00 | 4 |
| 4455 | 0.00 | 0.00 | 0.00 | 15 |
| 4456 | 0.00 | 0.00 | 0.00 | 9 |
| 4457 | 0.00 | 0.00 | 0.00 | 10 |
| 4458 | 0.00 | 0.00 | 0.00 | 13 |
| 4459 | 0.00 | 0.00 | 0.00 | 14 |
| 4460 | 0.00 | 0.00 | 0.00 | 10 |
| 4461 | 0.00 | 0.00 | 0.00 | 12 |
| 4462 | 0.00 | 0.00 | 0.00 | 10 |
| 4463 | 0.00 | 0.00 | 0.00 | 12 |
| 4464 | 0.00 | 0.00 | 0.00 | 9 |
| 4465 | 0.00 | 0.00 | 0.00 | 9 |
| 4466 | 0.00 | 0.00 | 0.00 | 12 |
| 4467 | 0.00 | 0.00 | 0.00 | 10 |
| 4468 | 0.00 | 0.00 | 0.00 | 11 |
| 4469 | 0.00 | 0.00 | 0.00 | 13 |
| 1170 | ^ ^^ | 0 00 | ^ ^^ | 1 0 |
| | | | | |

| 44/U | | | | |
|--|--|--|--|--|
| | U.UU | U.UU | U.UU | TΑ |
| 4471 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |
| 4472 | 0.00 | 0.00 | 0.00 | 16 |
| 4473 | 0.00 | 0.00 | 0.00 | 12 |
| 4474 | 0.00 | 0.00 | 0.00 | 10 |
| 4475 | 0.00 | 0.00 | 0.00 | 11 |
| 4476 | 0.00 | 0.00 | 0.00 | 13 |
| 4477 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 4478 | 0.00 | 0.00 | 0.00 | 11 |
| 4479 | 0.00 | 0.00 | 0.00 | 14 |
| 4480 | 0.00 | 0.00 | 0.00 | 10 |
| 4481 | 0.00 | 0.00 | 0.00 | 11 |
| 4482 | 0.00 | 0.00 | 0.00 | 13 |
| 4483 | 0.00 | 0.00 | 0.00 | 13 |
| 4484 | 0.00 | 0.00 | 0.00 | 15 |
| 4485 | | | | 13 |
| | 0.00 | 0.00 | 0.00 | |
| 4486 | 0.00 | 0.00 | 0.00 | 14 |
| 4487 | 0.00 | 0.00 | 0.00 | 15 |
| 4488 | 0.00 | 0.00 | 0.00 | 14 |
| 4489 | 0.00 | 0.00 | 0.00 | 13 |
| 4490 | 0.00 | 0.00 | 0.00 | 18 |
| 4491 | 0.00 | 0.00 | 0.00 | 10 |
| 4492 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | 16 |
| 4493 | 0.00 | 0.00 | 0.00 | |
| 4494 | 0.00 | 0.00 | 0.00 | 8 |
| 4495 | 0.00 | 0.00 | 0.00 | 9 |
| 4496 | 0.00 | 0.00 | 0.00 | 8 |
| 4497 | 0.00 | 0.00 | 0.00 | 13 |
| 4498 | 0.00 | 0.00 | 0.00 | 18 |
| 4499 | 0.00 | 0.00 | 0.00 | 11 |
| 4500 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | |
| 4501 | 0.00 | 0.00 | 0.00 | 17 |
| 4502 | 0.00 | 0.00 | 0.00 | 9 |
| 4503 | 0.00 | 0.00 | 0.00 | 12 |
| 4504 | 0.00 | 0.00 | 0.00 | 7 |
| 4505 | 0.00 | 0.00 | 0.00 | 13 |
| 4506 | 0.00 | 0.00 | 0.00 | 13 |
| 4507 | 0.00 | 0.00 | 0.00 | 12 |
| 4508 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 4509 | 0.00 | 0.00 | 0.00 | 19 |
| 4510 | 0.00 | 0.00 | 0.00 | 12 |
| 4511 | 0.00 | 0.00 | 0.00 | 12 |
| 4512 | 0.00 | 0.00 | 0.00 | 13 |
| 4513 | 0.00 | 0.00 | 0.00 | 11 |
| 4514 | 0.00 | 0.00 | 0.00 | 8 |
| 4515 | 0.00 | 0.00 | 0.00 | 9 |
| | | 0.00 | 0.00 | 10 |
| 4516 | | 0.00 | 0.00 | T 0 |
| 4516 | 0.00 | 0 00 | 0 00 | 1 2 |
| 4517 | 0.00 | 0.00 | 0.00 | 13 |
| 4517 4518 | 0.00 | 0.00 | 0.00 | 9 |
| 4517 4518 4519 | 0.00 0.00 0.00 | 0.00 | 0.00 | 9 12 |
| 4517 4518 | 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 9 |
| 4517 4518 4519 | 0.00 0.00 0.00 | 0.00 | 0.00 | 9 12 |
| 4517 4518 4519 4520 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 9 12 12 |
| 4517 4518 4519 4520 4521 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 9 12 12 14 |
| 4517 4518 4519 4520 4521 4522 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 9 12 12 14 6 |
| 4517 4518 4519 4520 4521 4522 4523 4524 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 12 14 6 14 13 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 12 14 6 14 13 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 9 12 12 14 6 14 13 11 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 9 12 12 14 6 14 13 11 14 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 12 14 6 14 13 11 14 12 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 9 12 12 14 6 14 13 11 14 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 12 14 6 14 13 11 14 12 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 12 14 6 14 13 11 14 12 12 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 12 14 6 14 13 11 14 12 12 10 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 11 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 11 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 11 11 12 13 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 11 11 12 13 9 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 4544 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 11 11 12 13 9 12 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 4544 4545 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 11 11 12 13 9 12 12 |
| 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 4544 | 0.00 | 0.00 | 0.00 | 9 12 14 6 14 13 11 14 12 12 10 15 16 12 14 13 12 11 18 7 11 11 12 13 9 12 |

| 454/ | U.UU | U.UU | 0.00 | 8 |
|------|------|------|------|----|
| 4548 | 0.00 | 0.00 | 0.00 | 12 |
| 4549 | 0.00 | 0.00 | 0.00 | 9 |
| 4550 | 0.00 | 0.00 | 0.00 | 8 |
| 4551 | 0.00 | 0.00 | 0.00 | 13 |
| 4552 | 0.00 | 0.00 | 0.00 | 10 |
| 4553 | 0.00 | 0.00 | 0.00 | 8 |
| 4554 | 0.00 | 0.00 | 0.00 | 10 |
| 4555 | | | | |
| | 0.00 | 0.00 | 0.00 | 8 |
| 4556 | 0.00 | 0.00 | 0.00 | 5 |
| 4557 | 0.00 | 0.00 | 0.00 | 10 |
| 4558 | 0.00 | 0.00 | 0.00 | 9 |
| 4559 | 0.00 | 0.00 | 0.00 | 14 |
| 4560 | 0.00 | 0.00 | 0.00 | 16 |
| 4561 | 0.00 | 0.00 | 0.00 | 15 |
| 4562 | 0.00 | 0.00 | 0.00 | 11 |
| 4563 | 0.00 | 0.00 | 0.00 | 9 |
| 4564 | 0.00 | 0.00 | 0.00 | 13 |
| 4565 | 0.00 | 0.00 | 0.00 | 12 |
| 4566 | 0.00 | 0.00 | 0.00 | 8 |
| 4567 | 0.00 | 0.00 | 0.00 | 5 |
| 4568 | 0.00 | 0.00 | 0.00 | 7 |
| 4569 | 0.00 | 0.00 | 0.00 | 7 |
| 4570 | 0.00 | 0.00 | 0.00 | 10 |
| 4571 | 0.00 | 0.00 | 0.00 | 12 |
| 4572 | 0.00 | 0.00 | 0.00 | 14 |
| 4573 | 0.00 | 0.00 | 0.00 | 12 |
| 4574 | 0.00 | 0.00 | 0.00 | 8 |
| 4575 | 0.00 | 0.00 | 0.00 | 11 |
| 4576 | 0.00 | 0.00 | 0.00 | 10 |
| 4577 | 0.00 | 0.00 | 0.00 | 9 |
| 4578 | 0.00 | 0.00 | 0.00 | 14 |
| 4579 | 0.00 | 0.00 | 0.00 | 13 |
| 4580 | 0.00 | 0.00 | 0.00 | 14 |
| 4581 | 0.00 | 0.00 | 0.00 | 9 |
| 4582 | 0.00 | 0.00 | 0.00 | 15 |
| 4583 | 0.00 | 0.00 | 0.00 | 13 |
| 4584 | 0.00 | 0.00 | 0.00 | 7 |
| 4585 | 0.00 | 0.00 | 0.00 | 9 |
| 4586 | 0.00 | 0.00 | 0.00 | 15 |
| 4587 | 0.00 | 0.00 | 0.00 | 13 |
| 4588 | 0.00 | 0.00 | 0.00 | 11 |
| 4589 | 0.00 | 0.00 | 0.00 | 6 |
| 4590 | 0.00 | | 0.00 | |
| | | 0.00 | | 6 |
| 4591 | 0.00 | 0.00 | 0.00 | 11 |
| 4592 | 0.00 | 0.00 | 0.00 | 12 |
| 4593 | 0.00 | 0.00 | 0.00 | 12 |
| 4594 | 0.00 | 0.00 | 0.00 | 10 |
| 4595 | 0.00 | 0.00 | 0.00 | 14 |
| 4596 | 0.00 | 0.00 | 0.00 | 11 |
| 4597 | 0.00 | 0.00 | 0.00 | 11 |
| 4598 | 0.00 | 0.00 | 0.00 | 9 |
| 4599 | 0.00 | 0.00 | 0.00 | 7 |
| 4600 | 0.00 | 0.00 | 0.00 | 11 |
| 4601 | 0.00 | 0.00 | 0.00 | 12 |
| 4602 | 0.00 | 0.00 | 0.00 | 9 |
| 4603 | 0.00 | 0.00 | 0.00 | 13 |
| 4604 | 0.00 | 0.00 | 0.00 | 15 |
| 4605 | 0.00 | 0.00 | 0.00 | 11 |
| 4606 | 0.00 | 0.00 | 0.00 | 9 |
| 4607 | 0.00 | 0.00 | 0.00 | 10 |
| 4608 | 0.00 | 0.00 | 0.00 | 6 |
| 4609 | 0.00 | 0.00 | 0.00 | 6 |
| 4610 | 0.00 | 0.00 | 0.00 | 12 |
| 4611 | 0.00 | 0.00 | 0.00 | 9 |
| 4612 | 0.00 | 0.00 | 0.00 | 13 |
| 4613 | 0.00 | 0.00 | 0.00 | 14 |
| 4614 | 0.00 | 0.00 | 0.00 | 8 |
| 4615 | 0.00 | 0.00 | 0.00 | 12 |
| 4616 | 0.00 | 0.00 | 0.00 | 13 |
| 4617 | 0.00 | 0.00 | 0.00 | 7 |
| 4618 | 0.00 | 0.00 | 0.00 | 11 |
| 4619 | 0.00 | 0.00 | 0.00 | 14 |
| 4620 | 0.00 | 0.00 | 0.00 | 11 |
| 4621 | 0.00 | 0.00 | 0.00 | 9 |
| 4622 | 0.00 | 0.00 | 0.00 | 6 |
| 4623 | 0.00 | 0.00 | 0.00 | 12 |
| | 2.20 | 2.20 | 2.23 | |
| | | | | |

| 4624 | 0.00 | 0.00 | 0.00 | 11 |
|------|------|------|------|----|
| 4625 | 0.00 | 0.00 | 0.00 | 10 |
| 4626 | 0.00 | 0.00 | 0.00 | 9 |
| 4627 | 0.00 | 0.00 | 0.00 | 8 |
| 4628 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |
| 4629 | 0.00 | 0.00 | 0.00 | 11 |
| 4630 | 0.00 | 0.00 | 0.00 | 13 |
| 4631 | 0.00 | 0.00 | 0.00 | 15 |
| 4632 | 0.00 | 0.00 | 0.00 | 11 |
| 4633 | 0.00 | 0.00 | 0.00 | 7 |
| 4634 | 0.00 | 0.00 | 0.00 | 11 |
| 4635 | 0.00 | 0.00 | 0.00 | 8 |
| 4636 | 0.00 | 0.00 | 0.00 | 7 |
| 4637 | 0.00 | 0.00 | 0.00 | 8 |
| 4638 | 0.00 | 0.00 | 0.00 | 9 |
| 4639 | 0.00 | 0.00 | 0.00 | 13 |
| 4640 | 0.00 | 0.00 | 0.00 | 12 |
| 4641 | 0.00 | 0.00 | 0.00 | 11 |
| 4642 | 0.00 | 0.00 | 0.00 | 8 |
| 4643 | 0.00 | 0.00 | 0.00 | 12 |
| 4644 | 0.00 | 0.00 | 0.00 | 9 |
| 4645 | 0.00 | 0.00 | 0.00 | 12 |
| 4646 | 0.00 | 0.00 | 0.00 | 10 |
| 4647 | 0.00 | 0.00 | 0.00 | 17 |
| 4648 | 0.00 | 0.00 | 0.00 | 10 |
| 4649 | 0.00 | 0.00 | 0.00 | 12 |
| 4650 | 0.00 | 0.00 | 0.00 | 13 |
| 4651 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 4652 | 0.00 | 0.00 | 0.00 | 11 |
| 4653 | 0.00 | 0.00 | 0.00 | 10 |
| 4654 | 0.00 | 0.00 | 0.00 | 11 |
| 4655 | 0.00 | 0.00 | 0.00 | 14 |
| 4656 | 0.00 | 0.00 | 0.00 | 10 |
| 4657 | 0.00 | 0.00 | 0.00 | 9 |
| 4658 | 0.00 | 0.00 | 0.00 | 9 |
| 4659 | 0.00 | 0.00 | 0.00 | 9 |
| 4660 | 0.00 | 0.00 | 0.00 | 13 |
| 4661 | 0.00 | 0.00 | 0.00 | 8 |
| 4662 | 0.00 | 0.00 | 0.00 | 12 |
| 4663 | 0.00 | 0.00 | 0.00 | 12 |
| 4664 | 0.00 | 0.00 | 0.00 | 14 |
| 4665 | 0.00 | 0.00 | 0.00 | 11 |
| 4666 | 0.00 | 0.00 | 0.00 | 9 |
| 4667 | 0.00 | 0.00 | 0.00 | 7 |
| 4668 | 0.00 | 0.00 | 0.00 | 8 |
| 4669 | 0.00 | 0.00 | 0.00 | 6 |
| 4670 | 0.00 | 0.00 | 0.00 | 12 |
| 4671 | 0.00 | 0.00 | 0.00 | 6 |
| 4672 | 0.00 | 0.00 | 0.00 | 14 |
| 4673 | 0.00 | 0.00 | 0.00 | 14 |
| 4674 | 0.00 | 0.00 | 0.00 | 13 |
| 4675 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 4676 | 0.00 | 0.00 | 0.00 | 13 |
| 4677 | 0.00 | 0.00 | 0.00 | 12 |
| 4678 | 0.00 | 0.00 | 0.00 | 11 |
| 4679 | 0.00 | 0.00 | 0.00 | 14 |
| 4680 | 0.00 | 0.00 | 0.00 | 7 |
| 4681 | 0.00 | 0.00 | 0.00 | 9 |
| 4682 | 0.00 | 0.00 | 0.00 | 15 |
| 4683 | 0.00 | 0.00 | 0.00 | 10 |
| 4684 | 0.00 | 0.00 | 0.00 | 7 |
| 4685 | 0.00 | 0.00 | 0.00 | 12 |
| 4686 | 0.00 | 0.00 | 0.00 | 9 |
| 4687 | 0.00 | 0.00 | 0.00 | 11 |
| 4688 | 0.00 | 0.00 | 0.00 | 10 |
| 4689 | 0.00 | 0.00 | 0.00 | 17 |
| 4690 | 0.00 | 0.00 | 0.00 | 11 |
| 4691 | 0.00 | 0.00 | 0.00 | 16 |
| 4692 | 0.00 | 0.00 | 0.00 | 12 |
| 4693 | 0.00 | 0.00 | 0.00 | 9 |
| 4694 | 0.00 | 0.00 | 0.00 | 16 |
| 4695 | 0.00 | 0.00 | 0.00 | 10 |
| 4696 | 0.00 | 0.00 | 0.00 | 13 |
| 4697 | 0.00 | 0.00 | 0.00 | 10 |
| 4698 | 0.00 | 0.00 | 0.00 | 13 |
| 4699 | 0.00 | 0.00 | 0.00 | 12 |
| 4700 | 0.00 | 0.00 | 0.00 | 16 |
| | | | | - |
| | | | | |

| 4701 | 0.00 | 0.00 | 0.00 | 5 |
|------|------|------|------|----|
| 4702 | | | | 10 |
| | 0.00 | 0.00 | 0.00 | |
| 4703 | 0.00 | 0.00 | 0.00 | 8 |
| 4704 | 0.00 | 0.00 | 0.00 | 17 |
| 4705 | 0.00 | 0.00 | 0.00 | 12 |
| 4706 | 0.00 | 0.00 | 0.00 | 5 |
| 4707 | 0.00 | 0.00 | 0.00 | 11 |
| 4708 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 4709 | 0.00 | 0.00 | 0.00 | 11 |
| 4710 | 0.00 | 0.00 | 0.00 | 10 |
| 4711 | 0.00 | 0.00 | 0.00 | 12 |
| 4712 | 0.00 | 0.00 | 0.00 | 9 |
| 4713 | 0.00 | 0.00 | 0.00 | 14 |
| 4714 | 0.00 | 0.00 | 0.00 | 14 |
| 4715 | 0.00 | 0.00 | 0.00 | 11 |
| | | | 0.00 | 10 |
| 4716 | 0.00 | 0.00 | | |
| 4717 | 0.00 | 0.00 | 0.00 | 16 |
| 4718 | 0.00 | 0.00 | 0.00 | 15 |
| 4719 | 0.00 | 0.00 | 0.00 | 14 |
| 4720 | 0.00 | 0.00 | 0.00 | 10 |
| 4721 | 0.00 | 0.00 | 0.00 | 18 |
| 4722 | 0.00 | 0.00 | 0.00 | 9 |
| 4723 | 0.00 | 0.00 | 0.00 | 15 |
| 4724 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |
| 4725 | 0.00 | 0.00 | 0.00 | 6 |
| 4726 | 0.00 | 0.00 | 0.00 | 8 |
| 4727 | 0.00 | 0.00 | 0.00 | 9 |
| 4728 | 0.00 | 0.00 | 0.00 | 12 |
| 4729 | 0.00 | 0.00 | 0.00 | 10 |
| 4730 | 0.00 | 0.00 | 0.00 | 16 |
| 4731 | 0.00 | 0.00 | 0.00 | 9 |
| | | | | |
| 4732 | 0.00 | 0.00 | 0.00 | 10 |
| 4733 | 0.00 | 0.00 | 0.00 | 13 |
| 4734 | 0.00 | 0.00 | 0.00 | 14 |
| 4735 | 0.00 | 0.00 | 0.00 | 20 |
| 4736 | 0.00 | 0.00 | 0.00 | 9 |
| 4737 | 0.00 | 0.00 | 0.00 | 8 |
| 4738 | 0.00 | 0.00 | 0.00 | 16 |
| 4739 | | | | |
| | 0.00 | 0.00 | 0.00 | 6 |
| 4740 | 0.00 | 0.00 | 0.00 | 10 |
| 4741 | 0.00 | 0.00 | 0.00 | 10 |
| 4742 | 0.00 | 0.00 | 0.00 | 10 |
| 4743 | 0.00 | 0.00 | 0.00 | 8 |
| 4744 | 0.00 | 0.00 | 0.00 | 9 |
| 4745 | 0.00 | 0.00 | 0.00 | 12 |
| 4746 | 0.00 | 0.00 | 0.00 | 11 |
| 4747 | 0.00 | 0.00 | 0.00 | 18 |
| | | | | |
| 4748 | 0.00 | 0.00 | 0.00 | 7 |
| 4749 | 0.00 | 0.00 | 0.00 | 10 |
| 4750 | 0.00 | 0.00 | 0.00 | 12 |
| 4751 | 0.00 | 0.00 | 0.00 | 13 |
| 4752 | 0.00 | 0.00 | 0.00 | 9 |
| 4753 | 0.00 | 0.00 | 0.00 | 8 |
| 4754 | 0.00 | 0.00 | 0.00 | 10 |
| 4755 | 0.00 | 0.00 | 0.00 | 14 |
| 4756 | 0.00 | 0.00 | 0.00 | 17 |
| | | | | |
| 4757 | 0.00 | 0.00 | 0.00 | 15 |
| 4758 | 0.00 | 0.00 | 0.00 | 11 |
| 4759 | 0.00 | 0.00 | 0.00 | 10 |
| 4760 | 0.00 | 0.00 | 0.00 | 10 |
| 4761 | 0.00 | 0.00 | 0.00 | 14 |
| 4762 | 0.00 | 0.00 | 0.00 | 13 |
| 4763 | 0.00 | 0.00 | 0.00 | 13 |
| 4764 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |
| 4765 | 0.00 | 0.00 | 0.00 | 8 |
| 4766 | 0.00 | 0.00 | 0.00 | 7 |
| 4767 | 0.00 | 0.00 | 0.00 | 14 |
| 4768 | 0.00 | 0.00 | 0.00 | 10 |
| 4769 | 0.00 | 0.00 | 0.00 | 11 |
| 4770 | 0.00 | 0.00 | 0.00 | 12 |
| 4771 | 0.00 | 0.00 | 0.00 | 11 |
| 4772 | 0.00 | 0.00 | 0.00 | 11 |
| 4773 | | | | |
| | 0.00 | 0.00 | 0.00 | 17 |
| 4774 | 0.00 | 0.00 | 0.00 | 5 |
| 4775 | 0.00 | 0.00 | 0.00 | 5 |
| 4776 | 0.00 | 0.00 | 0.00 | 12 |
| 4777 | 0.00 | 0.00 | 0.00 | 12 |
| | | | | |

| 4778 | 0.00 | 0.00 | 0.00 | 10 |
|------|------|------|------|----|
| 4779 | 0.00 | 0.00 | 0.00 | 16 |
| 4780 | 0.00 | 0.00 | 0.00 | 10 |
| 4781 | 0.00 | 0.00 | 0.00 | 5 |
| 4782 | | | 0.00 | |
| | 0.00 | 0.00 | | 11 |
| 4783 | 0.00 | 0.00 | 0.00 | 7 |
| 4784 | 0.00 | 0.00 | 0.00 | 13 |
| 4785 | 0.00 | 0.00 | 0.00 | 8 |
| 4786 | 0.00 | 0.00 | 0.00 | 15 |
| 4787 | 0.00 | 0.00 | 0.00 | 8 |
| 4788 | 0.00 | 0.00 | 0.00 | 7 |
| 4789 | 0.00 | 0.00 | 0.00 | 10 |
| 4790 | 0.00 | 0.00 | 0.00 | 12 |
| 4791 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |
| 4792 | 0.00 | 0.00 | 0.00 | 10 |
| 4793 | 0.00 | 0.00 | 0.00 | 13 |
| 4794 | 0.00 | 0.00 | 0.00 | 18 |
| 4795 | 0.00 | 0.00 | 0.00 | 6 |
| 4796 | 0.00 | 0.00 | 0.00 | 11 |
| 4797 | 0.00 | 0.00 | 0.00 | 9 |
| 4798 | 0.00 | 0.00 | 0.00 | 11 |
| 4799 | 0.00 | 0.00 | 0.00 | 10 |
| 4800 | 0.00 | 0.00 | 0.00 | 14 |
| 4801 | 0.00 | 0.00 | 0.00 | 9 |
| 4802 | 0.00 | 0.00 | 0.00 | 11 |
| | 0.00 | | 0.00 | 12 |
| 4803 | | 0.00 | | |
| 4804 | 0.00 | 0.00 | 0.00 | 19 |
| 4805 | 0.00 | 0.00 | 0.00 | 10 |
| 4806 | 0.00 | 0.00 | 0.00 | 12 |
| 4807 | 0.00 | 0.00 | 0.00 | 12 |
| 4808 | 0.00 | 0.00 | 0.00 | 14 |
| 4809 | 0.00 | 0.00 | 0.00 | 12 |
| 4810 | 0.00 | 0.00 | 0.00 | 7 |
| 4811 | 0.00 | 0.00 | 0.00 | 16 |
| 4812 | 0.00 | 0.00 | 0.00 | 10 |
| 4813 | 0.00 | 0.00 | 0.00 | 14 |
| 4814 | 0.00 | 0.00 | 0.00 | 10 |
| 4815 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |
| 4816 | 0.00 | 0.00 | 0.00 | 12 |
| 4817 | 0.00 | 0.00 | 0.00 | 14 |
| 4818 | 0.00 | 0.00 | 0.00 | 9 |
| 4819 | 0.00 | 0.00 | 0.00 | 13 |
| 4820 | 0.00 | 0.00 | 0.00 | 15 |
| 4821 | 0.00 | 0.00 | 0.00 | 5 |
| 4822 | 0.00 | 0.00 | 0.00 | 12 |
| 4823 | 0.00 | 0.00 | 0.00 | 11 |
| 4824 | 0.00 | 0.00 | 0.00 | 18 |
| 4825 | 0.00 | 0.00 | 0.00 | 8 |
| 4826 | 0.00 | 0.00 | 0.00 | 7 |
| 4827 | 0.00 | 0.00 | 0.00 | 13 |
| 4828 | 0.00 | 0.00 | 0.00 | 16 |
| 4829 | 0.00 | 0.00 | 0.00 | 5 |
| | | | | |
| 4830 | 0.00 | 0.00 | 0.00 | 9 |
| 4831 | 0.00 | 0.00 | 0.00 | 12 |
| 4832 | 0.00 | 0.00 | 0.00 | 12 |
| 4833 | 0.00 | 0.00 | 0.00 | 12 |
| 4834 | 0.00 | 0.00 | 0.00 | 16 |
| 4835 | 0.00 | 0.00 | 0.00 | 9 |
| 4836 | 0.00 | 0.00 | 0.00 | 8 |
| 4837 | 0.00 | 0.00 | 0.00 | 10 |
| 4838 | 0.00 | 0.00 | 0.00 | 12 |
| 4839 | 0.00 | 0.00 | 0.00 | 10 |
| 4840 | 0.00 | 0.00 | 0.00 | 8 |
| 4841 | 0.00 | 0.00 | 0.00 | 13 |
| 4842 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | |
| 4843 | 0.00 | 0.00 | 0.00 | 10 |
| 4844 | 0.00 | 0.00 | 0.00 | 12 |
| 4845 | 0.00 | 0.00 | 0.00 | 13 |
| 4846 | 0.00 | 0.00 | 0.00 | 15 |
| 4847 | 0.00 | 0.00 | 0.00 | 16 |
| 4848 | 0.00 | 0.00 | 0.00 | 12 |
| 4849 | 0.00 | 0.00 | 0.00 | 13 |
| 4850 | 0.00 | 0.00 | 0.00 | 16 |
| 4851 | 0.00 | 0.00 | 0.00 | 13 |
| 4852 | 0.00 | 0.00 | 0.00 | 11 |
| 4853 | 0.00 | 0.00 | 0.00 | 10 |
| 4854 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |

| 4855 | 0.00 | 0.00 | 0.00 | 7 |
|------|------|------|------|----|
| 4856 | 0.00 | 0.00 | 0.00 | 9 |
| 4857 | 0.00 | 0.00 | 0.00 | 12 |
| 4858 | 0.00 | 0.00 | 0.00 | 9 |
| | | | | |
| 4859 | 0.00 | 0.00 | 0.00 | 11 |
| 4860 | 0.00 | 0.00 | 0.00 | 11 |
| 4861 | 0.00 | 0.00 | 0.00 | 15 |
| 4862 | 0.00 | 0.00 | 0.00 | 10 |
| 4863 | 0.00 | 0.00 | 0.00 | 9 |
| 4864 | 0.00 | 0.00 | 0.00 | 6 |
| 4865 | 0.00 | 0.00 | 0.00 | 14 |
| 4866 | 0.00 | 0.00 | 0.00 | 7 |
| 4867 | 0.00 | 0.00 | 0.00 | 8 |
| 4868 | 0.00 | 0.00 | 0.00 | 14 |
| | | | | |
| 4869 | 0.00 | 0.00 | 0.00 | 10 |
| 4870 | 0.00 | 0.00 | 0.00 | 11 |
| 4871 | 0.00 | 0.00 | 0.00 | 11 |
| 4872 | 0.00 | 0.00 | 0.00 | 13 |
| 4873 | 0.00 | 0.00 | 0.00 | 9 |
| 4874 | 0.00 | 0.00 | 0.00 | 8 |
| 4875 | 0.00 | 0.00 | 0.00 | 10 |
| 4876 | 0.00 | 0.00 | 0.00 | 8 |
| 4877 | 0.00 | 0.00 | 0.00 | 8 |
| 4878 | 0.00 | 0.00 | 0.00 | 14 |
| 4879 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | 5 |
| 4880 | 0.00 | 0.00 | 0.00 | |
| 4881 | 0.00 | 0.00 | 0.00 | 10 |
| 4882 | 0.00 | 0.00 | 0.00 | 9 |
| 4883 | 0.00 | 0.00 | 0.00 | 10 |
| 4884 | 0.00 | 0.00 | 0.00 | 15 |
| 4885 | 0.00 | 0.00 | 0.00 | 11 |
| 4886 | 0.00 | 0.00 | 0.00 | 18 |
| 4887 | 0.00 | 0.00 | 0.00 | 12 |
| 4888 | 0.00 | 0.00 | 0.00 | 13 |
| 4889 | 0.00 | 0.00 | 0.00 | 8 |
| 4890 | 0.00 | 0.00 | 0.00 | 4 |
| 4891 | 0.00 | 0.00 | 0.00 | 10 |
| 4892 | | | | 14 |
| | 0.00 | 0.00 | 0.00 | |
| 4893 | 0.00 | 0.00 | 0.00 | 12 |
| 4894 | 0.00 | 0.00 | 0.00 | 9 |
| 4895 | 1.00 | 0.12 | 0.22 | 8 |
| 4896 | 0.00 | 0.00 | 0.00 | 11 |
| 4897 | 0.00 | 0.00 | 0.00 | 14 |
| 4898 | 0.00 | 0.00 | 0.00 | 12 |
| 4899 | 0.00 | 0.00 | 0.00 | 11 |
| 4900 | 0.00 | 0.00 | 0.00 | 12 |
| 4901 | 0.00 | 0.00 | 0.00 | 13 |
| 4902 | 0.00 | 0.00 | 0.00 | 12 |
| 4903 | 0.00 | 0.00 | 0.00 | 11 |
| 4904 | 0.00 | 0.00 | 0.00 | 10 |
| 4905 | 0.00 | 0.00 | 0.00 | 11 |
| 4906 | 0.00 | 0.00 | 0.00 | 8 |
| 4907 | 0.00 | 0.00 | 0.00 | 9 |
| 4908 | 0.00 | 0.00 | 0.00 | 7 |
| | | | 0.00 | |
| 4909 | 0.00 | 0.00 | | 13 |
| 4910 | 0.00 | 0.00 | 0.00 | 10 |
| 4911 | 0.00 | 0.00 | 0.00 | 10 |
| 4912 | 0.00 | 0.00 | 0.00 | 9 |
| 4913 | 0.00 | 0.00 | 0.00 | 13 |
| 4914 | 0.00 | 0.00 | 0.00 | 14 |
| 4915 | 0.00 | 0.00 | 0.00 | 12 |
| 4916 | 0.00 | 0.00 | 0.00 | 6 |
| 4917 | 0.00 | 0.00 | 0.00 | 8 |
| 4918 | 0.00 | 0.00 | 0.00 | 6 |
| 4919 | 0.00 | 0.00 | 0.00 | 6 |
| 4920 | 0.00 | 0.00 | 0.00 | 15 |
| 4920 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |
| 4922 | 0.00 | 0.00 | 0.00 | 12 |
| 4923 | 0.00 | 0.00 | 0.00 | 7 |
| 4924 | 0.00 | 0.00 | 0.00 | 16 |
| 4925 | 0.00 | 0.00 | 0.00 | 13 |
| 4926 | 0.00 | 0.00 | 0.00 | 10 |
| 4927 | 0.00 | 0.00 | 0.00 | 8 |
| 4928 | 0.00 | 0.00 | 0.00 | 10 |
| 4929 | 0.00 | 0.00 | 0.00 | 10 |
| 4930 | 0.00 | 0.00 | 0.00 | 12 |
| 4931 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |

| 4932 | 0.00 | 0.00 | 0.00 | 10 |
|--------------|------|------|------|----------|
| 4933 | 0.00 | 0.00 | 0.00 | 11 |
| 4934 | 0.00 | 0.00 | 0.00 | 7 |
| 4935 | 0.00 | 0.00 | 0.00 | 13 |
| 4936 | 0.00 | 0.00 | 0.00 | 10 |
| 4937 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 4938 | 0.00 | 0.00 | 0.00 | 17 |
| 4939 | 0.00 | 0.00 | 0.00 | 13 |
| 4940 | 0.00 | 0.00 | 0.00 | 15 |
| 4941 | 0.00 | 0.00 | 0.00 | 13 |
| 4942 | 0.00 | 0.00 | 0.00 | 15 |
| 4943 | 0.00 | 0.00 | 0.00 | 13 |
| 4944 | 0.00 | 0.00 | 0.00 | 10 |
| 4945 | 0.00 | 0.00 | 0.00 | 9 |
| 4946 | 0.00 | 0.00 | 0.00 | 13 |
| 4947 | 0.00 | 0.00 | 0.00 | 7 |
| 4948 | 0.00 | 0.00 | 0.00 | 10 |
| 4949 | 0.00 | 0.00 | 0.00 | 9 |
| 4950 | 0.00 | 0.00 | 0.00 | 13 |
| 4951 | 0.00 | 0.00 | 0.00 | 12 |
| 4952 | 0.00 | 0.00 | 0.00 | 8 |
| 4953 | 0.00 | 0.00 | 0.00 | 14 |
| 4954 | 0.00 | 0.00 | 0.00 | 11 |
| 4955 | 0.00 | 0.00 | 0.00 | 11 |
| 4956 | 0.00 | 0.00 | 0.00 | 11 |
| 4957 | 0.00 | 0.00 | 0.00 | 8 |
| 4958 | 0.00 | 0.00 | 0.00 | 8 |
| 4959 | 0.00 | 0.00 | 0.00 | 13 |
| 4960 | 0.00 | 0.00 | 0.00 | 9 |
| 4961 | 0.00 | 0.00 | 0.00 | 12 |
| 4962 | 0.00 | 0.00 | 0.00 | 8 |
| 4963 | 0.00 | 0.00 | 0.00 | 3 |
| 4964 | | 0.00 | | 8 |
| | 0.00 | | 0.00 | |
| 4965 | 0.00 | 0.00 | 0.00 | 14 |
| 4966 | 0.00 | 0.00 | 0.00 | 9 |
| 4967 | 0.00 | 0.00 | 0.00 | 12 |
| 4968 | 0.00 | 0.00 | 0.00 | 8 |
| 4969 | 0.00 | 0.00 | 0.00 | 7 |
| 4970 | 0.00 | 0.00 | 0.00 | 11 |
| 4971 | 0.00 | 0.00 | 0.00 | 8 |
| 4972 | 0.00 | 0.00 | 0.00 | 13 |
| 4973 | 0.00 | 0.00 | 0.00 | 12 |
| 4974 | 0.00 | 0.00 | 0.00 | 9 |
| 4975 | 0.00 | 0.00 | 0.00 | 14 |
| 4976 | 0.00 | 0.00 | 0.00 | 12 |
| 4977 | 0.00 | 0.00 | 0.00 | 8 |
| 4978 | 0.00 | 0.00 | 0.00 | 16 |
| 4979 | 0.00 | 0.00 | 0.00 | 12 |
| 4980 | 0.00 | 0.00 | 0.00 | 6 |
| 4981 | 0.00 | 0.00 | 0.00 | 15 |
| 4982 | 0.00 | 0.00 | 0.00 | 4 |
| 4983 | 0.00 | 0.00 | 0.00 | 8 |
| 4984 | 0.00 | 0.00 | 0.00 | 9 |
| 4985 | 0.00 | 0.00 | 0.00 | 13 |
| 4986 | 0.00 | 0.00 | 0.00 | 14 |
| 4987 | 0.00 | 0.00 | 0.00 | 7 |
| 4988 | 0.00 | 0.00 | 0.00 | 12 |
| 4989 | 0.00 | 0.00 | 0.00 | 15 |
| 4990 | 0.00 | 0.00 | 0.00 | 9 |
| 4991 | 0.00 | 0.00 | 0.00 | 13 |
| 4992 | 0.00 | 0.00 | 0.00 | 10 |
| 4993 | 0.00 | 0.00 | 0.00 | 8 |
| 4994 | 0.00 | 0.00 | 0.00 | 10 |
| 4995 | 0.00 | 0.00 | 0.00 | 11 |
| 4996 | 0.00 | 0.00 | 0.00 | 10 |
| 4997 | 0.00 | 0.00 | 0.00 | 4 |
| 4998 | 0.00 | 0.00 | 0.00 | 13 |
| 4999 | 0.00 | 0.00 | 0.00 | 8 |
| 5000 | 0.00 | 0.00 | 0.00 | 11 |
| 5000 | 0.00 | 0.00 | 0.00 | 5 |
| 5002 | 0.00 | 0.00 | 0.00 | 9 |
| 5002 | 0.00 | 0.00 | 0.00 | 6 |
| 5003 | 0.00 | 0.00 | 0.00 | 10 |
| 5004 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | |
| 5006 5007 | 0.00 | 0.00 | 0.00 | 15 14 |
| 5007 | 0.00 | 0.00 | 0.00 | 14 |
| 5008 | 1.00 | 0.12 | 0.22 | 8 |

| 5009 | 0.00 | 0.00 | 0.00 | 10 |
|------|------|------|------|----|
| 5010 | 0.00 | 0.00 | 0.00 | 11 |
| 5011 | 0.00 | 0.00 | 0.00 | 10 |
| 5012 | 0.00 | 0.00 | 0.00 | 11 |
| 5013 | 0.00 | 0.00 | 0.00 | 14 |
| | 0.00 | 0.00 | | |
| 5014 | | | 0.00 | 8 |
| 5015 | 0.00 | 0.00 | 0.00 | 14 |
| 5016 | 0.00 | 0.00 | 0.00 | 14 |
| 5017 | 0.00 | 0.00 | 0.00 | 11 |
| 5018 | 0.00 | 0.00 | 0.00 | 9 |
| 5019 | 0.00 | 0.00 | 0.00 | 14 |
| 5020 | 0.00 | 0.00 | 0.00 | 10 |
| 5021 | 0.00 | 0.00 | 0.00 | 15 |
| 5022 | 0.00 | 0.00 | 0.00 | 11 |
| 5023 | 0.00 | 0.00 | 0.00 | 6 |
| 5024 | 0.00 | 0.00 | 0.00 | 14 |
| 5025 | 0.00 | 0.00 | 0.00 | 8 |
| 5026 | 0.00 | 0.00 | 0.00 | 14 |
| 5027 | 0.00 | 0.00 | 0.00 | 6 |
| 5028 | 0.00 | 0.00 | 0.00 | 13 |
| 5029 | 0.00 | 0.00 | 0.00 | 5 |
| 5030 | 0.00 | 0.00 | 0.00 | 15 |
| 5031 | 0.00 | 0.00 | 0.00 | 8 |
| 5032 | 0.00 | 0.00 | 0.00 | 12 |
| 5033 | 0.00 | 0.00 | 0.00 | 13 |
| 5034 | 0.00 | 0.00 | 0.00 | 8 |
| 5035 | 0.00 | 0.00 | 0.00 | 11 |
| 5036 | 0.00 | 0.00 | 0.00 | 11 |
| 5037 | 0.00 | 0.00 | 0.00 | 12 |
| 5038 | 0.00 | 0.00 | 0.00 | 12 |
| 5039 | 0.00 | 0.00 | 0.00 | 17 |
| 5040 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | 9 |
| 5041 | 0.00 | 0.00 | 0.00 | 9 |
| 5042 | 0.00 | 0.00 | 0.00 | |
| 5043 | 0.00 | 0.00 | 0.00 | 14 |
| 5044 | 0.00 | 0.00 | 0.00 | 11 |
| 5045 | 0.00 | 0.00 | 0.00 | 9 |
| 5046 | 0.00 | 0.00 | 0.00 | 10 |
| 5047 | 0.00 | 0.00 | 0.00 | 10 |
| 5048 | 0.00 | 0.00 | 0.00 | 7 |
| 5049 | 0.00 | 0.00 | 0.00 | 9 |
| 5050 | 0.00 | 0.00 | 0.00 | 5 |
| 5051 | 0.00 | 0.00 | 0.00 | 10 |
| 5052 | 0.00 | 0.00 | 0.00 | 10 |
| 5053 | 0.00 | 0.00 | 0.00 | 14 |
| 5054 | 0.00 | 0.00 | 0.00 | 13 |
| 5055 | 0.00 | 0.00 | 0.00 | 7 |
| 5056 | 0.00 | 0.00 | 0.00 | 15 |
| 5057 | 0.00 | 0.00 | 0.00 | 8 |
| 5058 | 0.00 | 0.00 | 0.00 | 11 |
| 5059 | 0.00 | 0.00 | 0.00 | 9 |
| 5060 | 0.00 | 0.00 | 0.00 | 13 |
| 5061 | 0.00 | 0.00 | 0.00 | 13 |
| 5062 | 0.00 | 0.00 | 0.00 | 7 |
| 5063 | 0.00 | 0.00 | 0.00 | 14 |
| 5064 | 0.00 | 0.00 | 0.00 | 8 |
| 5065 | 0.00 | 0.00 | 0.00 | 6 |
| 5066 | 0.00 | 0.00 | 0.00 | 7 |
| 5067 | 0.00 | 0.00 | 0.00 | 10 |
| 5068 | 0.00 | 0.00 | 0.00 | 12 |
| 5069 | 0.00 | 0.00 | 0.00 | 9 |
| 5070 | 0.00 | 0.00 | 0.00 | 11 |
| 5071 | 0.00 | 0.00 | 0.00 | 8 |
| 5072 | 0.00 | 0.00 | 0.00 | 4 |
| 5073 | 0.00 | 0.00 | 0.00 | 14 |
| 5074 | 0.00 | 0.00 | 0.00 | 11 |
| 5075 | 0.00 | 0.00 | 0.00 | 14 |
| 5076 | 0.00 | 0.00 | 0.00 | 7 |
| 5077 | 0.00 | 0.00 | 0.00 | 10 |
| 5078 | 0.00 | 0.00 | 0.00 | 11 |
| 5079 | 0.00 | 0.00 | 0.00 | 10 |
| 5080 | 0.00 | 0.00 | 0.00 | 13 |
| 5081 | 0.00 | 0.00 | 0.00 | 12 |
| 5082 | 0.00 | 0.00 | 0.00 | 8 |
| 5083 | 0.00 | 0.00 | 0.00 | 15 |
| 5084 | 0.00 | 0.00 | 0.00 | 15 |
| 5085 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |

| 5086 | 0.00 | 0.00 | 0.00 | 12 |
|------|------|------|------|----|
| 5087 | 0.00 | 0.00 | 0.00 | 9 |
| 5088 | 0.00 | 0.00 | 0.00 | 4 |
| 5089 | 0.00 | 0.00 | 0.00 | 8 |
| 5099 | 0.00 | | | |
| | | 0.00 | 0.00 | 11 |
| 5091 | 0.00 | 0.00 | 0.00 | 6 |
| 5092 | 0.00 | 0.00 | 0.00 | 9 |
| 5093 | 0.00 | 0.00 | 0.00 | 10 |
| 5094 | 0.00 | 0.00 | 0.00 | 18 |
| 5095 | 0.00 | 0.00 | 0.00 | 6 |
| 5096 | 0.00 | 0.00 | 0.00 | 12 |
| 5097 | 0.00 | 0.00 | 0.00 | 9 |
| 5098 | 0.00 | 0.00 | 0.00 | 11 |
| 5099 | 0.00 | 0.00 | 0.00 | 7 |
| 5100 | 0.00 | 0.00 | 0.00 | 12 |
| 5101 | 0.00 | 0.00 | 0.00 | 7 |
| 5102 | 0.00 | 0.00 | 0.00 | 5 |
| 5103 | 0.00 | 0.00 | 0.00 | 11 |
| 5104 | 0.00 | 0.00 | 0.00 | 13 |
| 5105 | 0.00 | 0.00 | 0.00 | 10 |
| 5106 | 0.00 | 0.00 | 0.00 | 12 |
| 5107 | 0.00 | 0.00 | 0.00 | 7 |
| 5108 | 0.00 | 0.00 | 0.00 | 14 |
| 5109 | 0.00 | 0.00 | 0.00 | 11 |
| 5110 | 0.00 | 0.00 | 0.00 | 8 |
| 5111 | 0.00 | 0.00 | 0.00 | 10 |
| 5112 | 0.00 | 0.00 | 0.00 | 10 |
| 5113 | 0.00 | 0.00 | 0.00 | 9 |
| 5114 | 0.00 | 0.00 | 0.00 | 13 |
| 5115 | 0.00 | | | |
| | | 0.00 | 0.00 | 8 |
| 5116 | 0.00 | 0.00 | 0.00 | 10 |
| 5117 | 0.00 | 0.00 | 0.00 | 8 |
| 5118 | 0.00 | 0.00 | 0.00 | 12 |
| 5119 | 0.00 | 0.00 | 0.00 | 8 |
| 5120 | 0.00 | 0.00 | 0.00 | 7 |
| 5121 | 0.00 | 0.00 | 0.00 | 12 |
| 5122 | 0.00 | 0.00 | 0.00 | 9 |
| 5123 | 0.00 | 0.00 | 0.00 | 9 |
| 5124 | 0.00 | 0.00 | 0.00 | 8 |
| 5125 | 0.00 | 0.00 | 0.00 | 8 |
| 5126 | 0.00 | 0.00 | 0.00 | 8 |
| 5127 | 0.00 | 0.00 | 0.00 | 13 |
| 5128 | 0.00 | 0.00 | 0.00 | 8 |
| 5129 | 0.00 | 0.00 | 0.00 | 9 |
| 5130 | 0.00 | 0.00 | 0.00 | 8 |
| 5131 | 0.00 | 0.00 | 0.00 | 10 |
| 5132 | 0.00 | 0.00 | 0.00 | 11 |
| 5133 | 0.00 | 0.00 | 0.00 | 11 |
| 5134 | 0.00 | 0.00 | 0.00 | 6 |
| 5135 | 0.00 | 0.00 | 0.00 | 11 |
| 5136 | 0.00 | 0.00 | 0.00 | 11 |
| 5137 | 0.00 | 0.00 | 0.00 | 12 |
| 5138 | 0.00 | 0.00 | 0.00 | 8 |
| 5139 | 0.00 | 0.00 | 0.00 | 10 |
| 5140 | 0.00 | 0.00 | 0.00 | 10 |
| 5141 | 0.00 | 0.00 | 0.00 | 10 |
| 5142 | 0.00 | 0.00 | 0.00 | 10 |
| 5143 | 0.00 | 0.00 | 0.00 | 5 |
| 5144 | 0.00 | 0.00 | 0.00 | 13 |
| 5145 | 0.00 | 0.00 | 0.00 | 11 |
| 5146 | 0.00 | 0.00 | 0.00 | 12 |
| 5147 | 0.00 | 0.00 | 0.00 | 9 |
| 5148 | 0.00 | 0.00 | 0.00 | 12 |
| 5149 | 0.00 | 0.00 | 0.00 | 8 |
| 5150 | 0.00 | 0.00 | 0.00 | 11 |
| 5151 | 0.00 | 0.00 | 0.00 | 10 |
| 5152 | 0.00 | 0.00 | 0.00 | 12 |
| 5153 | 0.00 | 0.00 | 0.00 | 12 |
| 5154 | 0.00 | 0.00 | 0.00 | 10 |
| 5155 | 0.00 | 0.00 | 0.00 | 10 |
| 5156 | 0.00 | 0.00 | 0.00 | 9 |
| 5157 | 0.00 | 0.00 | 0.00 | 13 |
| 5157 | 0.00 | 0.00 | 0.00 | 10 |
| 5156 | 0.00 | 0.00 | 0.00 | 6 |
| 5160 | 0.00 | 0.00 | 0.00 | 10 |
| | 0.00 | | | |
| 5161 | | 0.00 | 0.00 | 12 |
| 5162 | 0.00 | 0.00 | 0.00 | 8 |

| 5163 | 0.00 | 0.00 | 0.00 | 10 |
|--------------|------|---------|------|-----|
| | 0.00 | 0.00 | 0.00 | 9 |
| 5164 | | | | |
| 5165 | 0.00 | 0.00 | 0.00 | 11 |
| 5166 | 0.00 | 0.00 | 0.00 | 8 |
| 5167 | 0.00 | 0.00 | 0.00 | 9 |
| 5168 | 0.00 | 0.00 | 0.00 | 9 |
| 5169 | 0.00 | 0.00 | 0.00 | 8 |
| 5170 | 0.00 | 0.00 | 0.00 | 12 |
| 5171 | 0.00 | 0.00 | 0.00 | 6 |
| 5172 | 0.00 | 0.00 | 0.00 | 13 |
| 5173 | 0.00 | 0.00 | 0.00 | 11 |
| 5174 | 0.00 | 0.00 | 0.00 | 7 |
| 5175 | 0.00 | 0.00 | 0.00 | 7 |
| 5176 | 0.00 | 0.00 | 0.00 | 15 |
| 5177 | 0.00 | 0.00 | 0.00 | 10 |
| | 0.00 | | | 9 |
| 5178 | | 0.00 | 0.00 | 7 |
| 5179 | 0.00 | 0.00 | 0.00 | |
| 5180 | 0.00 | 0.00 | 0.00 | 7 |
| 5181 | 0.00 | 0.00 | 0.00 | 11 |
| 5182 | 0.00 | 0.00 | 0.00 | 5 |
| 5183 | 0.00 | 0.00 | 0.00 | 17 |
| 5184 | 0.00 | 0.00 | 0.00 | 4 |
| 5185 | 0.00 | 0.00 | 0.00 | 7 |
| 5186 | 0.00 | 0.00 | 0.00 | 7 |
| 5187 | 0.00 | 0.00 | 0.00 | 10 |
| 5188 | 0.00 | 0.00 | 0.00 | 11 |
| 5189 | 0.00 | 0.00 | 0.00 | 13 |
| 5190 | 1.00 | 0.10 | 0.18 | 10 |
| 5191 | 0.00 | 0.00 | 0.00 | 8 |
| | 0.00 | 0.00 | | |
| 5192 | | | 0.00 | 14 |
| 5193 | 0.00 | 0.00 | 0.00 | 12 |
| 5194 | 0.00 | 0.00 | 0.00 | 18 |
| 5195 | 0.00 | 0.00 | 0.00 | 10 |
| 5196 | 0.00 | 0.00 | 0.00 | 8 |
| 5197 | 0.00 | 0.00 | 0.00 | 8 |
| 5198 | 0.00 | 0.00 | 0.00 | 8 |
| 5199 | 0.00 | 0.00 | 0.00 | 11 |
| 5200 | 0.00 | 0.00 | 0.00 | 14 |
| 5201 | 0.00 | 0.00 | 0.00 | 12 |
| 5202 | 0.00 | 0.00 | 0.00 | 14 |
| 5203 | 0.00 | 0.00 | 0.00 | 13 |
| 5204 | 0.00 | 0.00 | 0.00 | 8 |
| 5205 | 0.00 | 0.00 | 0.00 | 10 |
| 5206 | | 0.00 | 0.00 | 16 |
| | 0.00 | | | |
| 5207 | 0.00 | 0.00 | 0.00 | 9 |
| 5208 | 0.00 | 0.00 | 0.00 | 6 |
| 5209 | 0.00 | 0.00 | 0.00 | 8 |
| 5210 | 0.00 | 0.00 | 0.00 | 11 |
| 5211 | 0.00 | 0.00 | 0.00 | 11 |
| 5212 | 0.00 | 0.00 | 0.00 | 14 |
| 5213 | 0.00 | 0.00 | 0.00 | 6 |
| 5214 | 0.00 | 0.00 | 0.00 | 8 |
| 5215 | 0.00 | 0.00 | 0.00 | 11 |
| 5216 | 0.00 | 0.00 | 0.00 | 11 |
| 5217 | 0.00 | 0.00 | 0.00 | 9 |
| 5218 | 0.00 | 0.00 | 0.00 | 9 |
| 5219 | 0.00 | 0.00 | 0.00 | 10 |
| 5220 | 0.00 | 0.00 | 0.00 | 10 |
| 5221 | 0.00 | 0.00 | 0.00 | 10 |
| 5222 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | 8 |
| 5223 | 0.00 | 0.00 | 0.00 | 7 |
| 5224 | 0.00 | 0.00 | 0.00 | |
| 5225 | 0.00 | 0.00 | 0.00 | 7 |
| 5226 | 0.00 | 0.00 | 0.00 | 8 |
| 5227 | 0.00 | 0.00 | 0.00 | 13 |
| 5228 | 0.00 | 0.00 | 0.00 | 7 |
| 5229 | 0.00 | 0.00 | 0.00 | 6 |
| 5230 | 0.00 | 0.00 | 0.00 | 7 |
| 5231 | 0.00 | 0.00 | 0.00 | 10 |
| 5232 | 0.00 | 0.00 | 0.00 | 7 |
| 5233 | 0.00 | 0.00 | 0.00 | 9 |
| 5234 | 0.00 | 0.00 | 0.00 | 5 |
| 5235 | 0.00 | 0.00 | 0.00 | 1 |
| 5236 | 0.00 | 0.00 | 0.00 | 16 |
| 5237 | | V • V/V | 0.00 | T 0 |
| J | | | 0 00 | 7 |
| E220 | 0.00 | 0.00 | 0.00 | 7 |
| 5238 | 0.00 | 0.00 | 0.00 | 10 |
| 5238 5239 | 0.00 | 0.00 | | |

| 5240 | 0.00 | 0.00 | 0.00 | 8 |
|--------------|------|------|------|----------|
| 5241 | 0.00 | 0.00 | 0.00 | 8 |
| 5242 | 0.00 | 0.00 | 0.00 | 8 |
| 5243 | 0.00 | 0.00 | 0.00 | 5 |
| 5244 | 0.00 | 0.00 | 0.00 | 11 |
| 5245 | 0.00 | 0.00 | 0.00 | 8 |
| 5246 | 0.00 | 0.00 | 0.00 | 11 |
| 5247 | 0.00 | 0.00 | 0.00 | 11 |
| 5248 | 0.00 | 0.00 | 0.00 | 10 |
| 5249 5250 | 0.00 | 0.00 | 0.00 | 13 10 |
| 5251 | 0.00 | 0.00 | 0.00 | 12 |
| 5252 | 0.00 | 0.00 | 0.00 | 11 |
| 5253 | 0.00 | 0.00 | 0.00 | 12 |
| 5254 | 0.00 | 0.00 | 0.00 | 12 |
| 5255 | 0.00 | 0.00 | 0.00 | 10 |
| 5256 | 0.00 | 0.00 | 0.00 | 12 |
| 5257 | 0.00 | 0.00 | 0.00 | 11 |
| 5258 5259 | 0.00 | 0.00 | 0.00 | 10 |
| 5260 | 0.00 | 0.00 | 0.00 | 8 11 |
| 5261 | 0.00 | 0.00 | 0.00 | 10 |
| 5262 | 0.00 | 0.00 | 0.00 | 9 |
| 5263 | 0.00 | 0.00 | 0.00 | 10 |
| 5264 | 0.00 | 0.00 | 0.00 | 12 |
| 5265 | 1.00 | 0.09 | 0.17 | 11 |
| 5266 | 0.00 | 0.00 | 0.00 | 8 |
| 5267 | 0.00 | 0.00 | 0.00 | 12 |
| 5268 5269 | 0.00 | 0.00 | 0.00 | 7 9 |
| 5270 | 0.00 | 0.00 | 0.00 | 11 |
| 5271 | 0.00 | 0.00 | 0.00 | 9 |
| 5272 | 0.00 | 0.00 | 0.00 | 11 |
| 5273 | 0.00 | 0.00 | 0.00 | 7 |
| 5274 | 0.00 | 0.00 | 0.00 | 11 |
| 5275 | 0.00 | 0.00 | 0.00 | 11 |
| 5276 | 0.00 | 0.00 | 0.00 | 9 |
| 5277 | 0.00 | 0.00 | 0.00 | 7 7 |
| 5278 5279 | 0.00 | 0.00 | 0.00 | 8 |
| 5280 | 0.00 | 0.00 | 0.00 | 5 |
| 5281 | 0.00 | 0.00 | 0.00 | 8 |
| 5282 | 0.00 | 0.00 | 0.00 | 8 |
| 5283 | 0.00 | 0.00 | 0.00 | 13 |
| 5284 | 0.00 | 0.00 | 0.00 | 11 |
| 5285 | 0.00 | 0.00 | 0.00 | 6 |
| 5286 5287 | 0.00 | 0.00 | 0.00 | 13 |
| 5288 | 0.00 | 0.00 | 0.00 | 15 7 |
| 5289 | 0.00 | 0.00 | 0.00 | 8 |
| 5290 | 0.00 | 0.00 | 0.00 | 6 |
| 5291 | 0.00 | 0.00 | 0.00 | 9 |
| 5292 | 0.00 | 0.00 | 0.00 | 6 |
| 5293 | 0.00 | 0.00 | 0.00 | 9 |
| 5294 | 0.00 | 0.00 | 0.00 | 13 |
| 5295 5296 | 0.00 | 0.00 | 0.00 | 11 |
| 5297 | 0.00 | 0.00 | 0.00 | 10 13 |
| 5298 | 0.00 | 0.00 | 0.00 | 14 |
| 5299 | 0.00 | 0.00 | 0.00 | 10 |
| 5300 | 0.00 | 0.00 | 0.00 | 14 |
| 5301 | 0.00 | 0.00 | 0.00 | 11 |
| 5302 | 0.00 | 0.00 | 0.00 | 6 |
| 5303 | 0.00 | 0.00 | 0.00 | 6 |
| 5304 | 0.00 | 0.00 | 0.00 | 7 |
| 5305 | 0.00 | 0.00 | 0.00 | 9 6 |
| 5306 5307 | 0.00 | 0.00 | 0.00 | 10 |
| 5307 | 0.00 | 0.00 | 0.00 | 11 |
| 5309 | 0.00 | 0.00 | 0.00 | 11 |
| 5310 | 0.00 | 0.00 | 0.00 | 14 |
| 5311 | 0.00 | 0.00 | 0.00 | 10 |
| 5312 | 0.00 | 0.00 | 0.00 | 11 |
| 5313 | 0.00 | 0.00 | 0.00 | 11 |
| 5314 | 0.00 | 0.00 | 0.00 | 11 |
| 5315 5316 | 0.00 | 0.00 | 0.00 | 11 2 |
| 5510 | 0.00 | 0.00 | 0.00 | ۷ |

| 5317 | 0.00 | 0.00 | 0.00 | 5 |
|------|------|------|------|----|
| 5318 | 0.00 | 0.00 | 0.00 | 11 |
| 5319 | 0.00 | 0.00 | 0.00 | 12 |
| 5320 | 0.00 | 0.00 | 0.00 | 7 |
| 5321 | 0.00 | 0.00 | 0.00 | 7 |
| 5322 | 0.00 | 0.00 | 0.00 | 9 |
| 5323 | 0.00 | 0.00 | 0.00 | 9 |
| 5324 | 0.00 | 0.00 | 0.00 | 8 |
| 5325 | 0.00 | 0.00 | 0.00 | 10 |
| 5326 | 0.00 | 0.00 | 0.00 | 3 |
| 5327 | 0.00 | 0.00 | 0.00 | 13 |
| | | | | |
| 5328 | 0.00 | 0.00 | 0.00 | 13 |
| 5329 | 0.00 | 0.00 | 0.00 | 7 |
| 5330 | 0.00 | 0.00 | 0.00 | 8 |
| 5331 | 0.00 | 0.00 | 0.00 | 9 |
| 5332 | 0.00 | 0.00 | 0.00 | 8 |
| 5333 | 0.00 | 0.00 | 0.00 | 11 |
| 5334 | 0.00 | 0.00 | 0.00 | 11 |
| 5335 | 0.00 | 0.00 | 0.00 | 6 |
| 5336 | 0.00 | 0.00 | 0.00 | 6 |
| 5337 | 0.00 | 0.00 | 0.00 | 6 |
| 5338 | 0.00 | | | 11 |
| | | 0.00 | 0.00 | |
| 5339 | 0.00 | 0.00 | 0.00 | 12 |
| 5340 | 0.00 | 0.00 | 0.00 | 9 |
| 5341 | 0.00 | 0.00 | 0.00 | 8 |
| 5342 | 0.00 | 0.00 | 0.00 | 8 |
| 5343 | 0.00 | 0.00 | 0.00 | 7 |
| 5344 | 0.00 | 0.00 | 0.00 | 5 |
| 5345 | 0.00 | 0.00 | 0.00 | 11 |
| 5346 | 0.00 | 0.00 | 0.00 | 13 |
| 5347 | 0.00 | 0.00 | 0.00 | 10 |
| 5348 | 0.00 | 0.00 | 0.00 | 11 |
| | | | | |
| 5349 | 0.00 | 0.00 | 0.00 | 7 |
| 5350 | 0.00 | 0.00 | 0.00 | 10 |
| 5351 | 0.00 | 0.00 | 0.00 | 7 |
| 5352 | 0.00 | 0.00 | 0.00 | 7 |
| 5353 | 0.00 | 0.00 | 0.00 | 11 |
| 5354 | 0.00 | 0.00 | 0.00 | 12 |
| 5355 | 0.00 | 0.00 | 0.00 | 12 |
| 5356 | 0.00 | 0.00 | 0.00 | 10 |
| 5357 | 0.00 | 0.00 | 0.00 | 9 |
| 5358 | 0.00 | 0.00 | 0.00 | 8 |
| | | | | _ |
| 5359 | 0.00 | 0.00 | 0.00 | 10 |
| 5360 | 0.00 | 0.00 | 0.00 | 10 |
| 5361 | 0.00 | 0.00 | 0.00 | 6 |
| 5362 | 0.00 | 0.00 | 0.00 | 6 |
| 5363 | 0.00 | 0.00 | 0.00 | 9 |
| 5364 | 0.00 | 0.00 | 0.00 | 9 |
| 5365 | 0.00 | 0.00 | 0.00 | 17 |
| 5366 | 0.00 | 0.00 | 0.00 | 8 |
| 5367 | 0.00 | 0.00 | 0.00 | 9 |
| 5368 | 0.00 | 0.00 | 0.00 | 8 |
| 5369 | 0.00 | 0.00 | 0.00 | 8 |
| 5370 | 0.00 | 0.00 | 0.00 | 18 |
| 5371 | 0.00 | 0.00 | 0.00 | 14 |
| | | | | |
| 5372 | 0.00 | 0.00 | 0.00 | 10 |
| 5373 | 0.00 | 0.00 | 0.00 | 7 |
| 5374 | 0.00 | 0.00 | 0.00 | 6 |
| 5375 | 0.00 | 0.00 | 0.00 | 12 |
| 5376 | 0.00 | 0.00 | 0.00 | 13 |
| 5377 | 0.00 | 0.00 | 0.00 | 9 |
| 5378 | 0.00 | 0.00 | 0.00 | 10 |
| 5379 | 0.00 | 0.00 | 0.00 | 10 |
| 5380 | 0.00 | 0.00 | 0.00 | 9 |
| 5381 | 0.00 | 0.00 | 0.00 | 7 |
| 5382 | 0.00 | 0.00 | 0.00 | 10 |
| | | | | |
| 5383 | 0.00 | 0.00 | 0.00 | 9 |
| 5384 | 0.00 | 0.00 | 0.00 | 12 |
| 5385 | 0.00 | 0.00 | 0.00 | 15 |
| 5386 | 0.00 | 0.00 | 0.00 | 7 |
| 5387 | 0.00 | 0.00 | 0.00 | 8 |
| 5388 | 0.00 | 0.00 | 0.00 | 4 |
| 5389 | 0.00 | 0.00 | 0.00 | 7 |
| 5390 | 0.00 | 0.00 | 0.00 | 8 |
| 5391 | 0.00 | 0.00 | 0.00 | 4 |
| 5392 | 0.00 | 0.00 | 0.00 | 10 |
| 5393 | 0.00 | 0.00 | 0.00 | 7 |
| | | 0.00 | | , |

| 5004 | | 0.00 | | |
|--------------|------|------|--------|----------|
| 5394 5395 | 0.00 | 0.00 | 0.00 | 8 |
| 5396 | 0.00 | 0.00 | 0.00 | 16 13 |
| 5397 | 0.00 | 0.00 | 0.00 | 11 |
| 5398 | 0.00 | 0.00 | 0.00 | 5 |
| 5399 | 0.00 | 0.00 | 0.00 | 5 |
| 5400 | 0.00 | 0.00 | 0.00 | 12 |
| 5401 | 0.00 | 0.00 | 0.00 | 7 |
| 5402 | 0.00 | 0.00 | 0.00 | 5 |
| 5403 | 0.00 | 0.00 | 0.00 | 12 |
| 5404 | 0.00 | 0.00 | 0.00 | 5 |
| 5405 | 0.00 | 0.00 | 0.00 | 10 |
| 5406 5407 | 0.00 | 0.00 | 0.00 | 7 12 |
| 5408 | 0.00 | 0.00 | 0.00 | 9 |
| 5409 | 0.00 | 0.00 | 0.00 | 9 |
| 5410 | 0.00 | 0.00 | 0.00 | 8 |
| 5411 | 0.00 | 0.00 | 0.00 | 6 |
| 5412 | 0.00 | 0.00 | 0.00 | 8 |
| 5413 | 0.00 | 0.00 | 0.00 | 6 |
| 5414 | 0.00 | 0.00 | 0.00 | 8 |
| 5415 | 0.00 | 0.00 | 0.00 | 16 |
| 5416 | 0.00 | 0.00 | 0.00 | 9 |
| 5417 5418 | 0.00 | 0.00 | 0.00 | 11 9 |
| 5419 | 0.00 | 0.00 | 0.00 | 14 |
| 5420 | 0.00 | 0.00 | 0.00 | 6 |
| 5421 | 0.00 | 0.00 | 0.00 | 11 |
| 5422 | 0.00 | 0.00 | 0.00 | 12 |
| 5423 | 0.00 | 0.00 | 0.00 | 8 |
| 5424 | 0.00 | 0.00 | 0.00 | 13 |
| 5425 | 0.00 | 0.00 | 0.00 | 4 |
| 5426 | 0.00 | 0.00 | 0.00 | 10 |
| 5427 | 0.00 | 0.00 | 0.00 | 9 |
| 5428 5429 | 0.00 | 0.00 | 0.00 | 12 11 |
| 5430 | 0.00 | 0.00 | 0.00 | 9 |
| 5431 | 0.00 | 0.00 | 0.00 | 15 |
| 5432 | 0.00 | 0.00 | 0.00 | 12 |
| 5433 | 0.00 | 0.00 | 0.00 | 8 |
| 5434 | 0.00 | 0.00 | 0.00 | 6 |
| 5435 | 0.00 | 0.00 | 0.00 | 12 |
| 5436 | 0.00 | 0.00 | 0.00 | 11 |
| 5437 | 0.00 | 0.00 | 0.00 | 10 |
| 5438 | 0.00 | 0.00 | 0.00 | 7 |
| 5439 5440 | 0.00 | 0.00 | 0.00 | 9 12 |
| 5441 | 0.00 | 0.00 | 0.00 | 10 |
| 5442 | 0.00 | 0.00 | 0.00 | 7 |
| 5443 | 0.00 | 0.00 | 0.00 | 12 |
| 5444 | 0.00 | 0.00 | 0.00 | 7 |
| 5445 | 0.00 | 0.00 | 0.00 | 9 |
| 5446 | 0.00 | 0.00 | 0.00 | 7 |
| 5447 | 0.00 | 0.00 | 0.00 | 6 |
| 5448 5449 | 0.00 | 0.00 | 0.00 | 12 9 |
| 5450 | 0.00 | 0.00 | 0.00 | 10 |
| 5451 | 0.00 | 0.00 | 0.00 | 6 |
| 5452 | 0.00 | 0.00 | 0.00 | 11 |
| 5453 | 0.00 | 0.00 | 0.00 | 7 |
| 5454 | 0.00 | 0.00 | 0.00 | 9 |
| 5455 | 0.00 | 0.00 | 0.00 | 11 |
| 5456 | 0.00 | 0.00 | 0.00 | 7 |
| 5457 | 0.00 | 0.00 | 0.00 | 9 |
| 5458 | 0.00 | 0.00 | 0.00 | 8 |
| 5459 | 0.00 | 0.00 | 0.00 | 11 |
| 5460 5461 | 0.00 | 0.00 | 0.00 | 7 11 |
| 5461 5462 | 0.00 | 0.00 | 0.00 | 11 10 |
| 5463 | 0.00 | 0.00 | 0.00 | 9 |
| 5464 | 0.00 | 0.00 | 0.00 | 9 |
| 5465 | 0.00 | 0.00 | 0.00 | 7 |
| 5466 | 0.00 | 0.00 | 0.00 | 9 |
| 5467 | 0.00 | 0.00 | 0.00 | 14 |
| 5468 | 0.00 | 0.00 | 0.00 | 9 |
| 5469 | 0.00 | 0.00 | 0.00 | 12 |
| 5470 | 0.00 | 0.00 | 0 - 00 | 11 |

```
0.00 0.00
0.00 0.00
0.00 0.00
0.00 0.00
0.00 0.00
                                 15
4
    5471
                         0.00
     5472
                         0.00
                                  4
     5473
                         0.00
                                   8
     5474
                          0.00
     5475
                          0.00
                                    9
           0.00
           0.00
                          0.00
     5476
                                   11
     5477
    5478
    5479
                                    7
                                    7
     5480
                                 10
12
    5481
    5482
    5483
                                   9
    5484
     5485
                                    8
     5486
            0.00
                   0.00
                          0.00
           0.00
                   0.00
                          0.00
    5487
           0.00 0.00
     5488
                          0.00
           0.00
                  0.00
    5489
           0.00
                                   10
                                   12
    5490
                                  6
     5491
    5492
    5493
                                 13
    5494
                                   1.0
    5495
     5496
                                    9
     5497
    5498
                                    6
    5499
avg / total 0.53 0.26 0.33 530065
```

In [0]:

```
from sklearn.externals import joblib
joblib.dump(classifier, 'lr_with_equal_weight.pkl')
```

4.5 Modeling with less data points (0.5M data points) and more weight to title and 500 tags only.

```
In [0]:
```

QuestionsProcessed

```
sql_create_table = """CREATE TABLE IF NOT EXISTS QuestionsProcessed (question text NOT NULL, code
text, tags text, words_pre integer, words_post integer, is_code integer);"""
create_database_table("Titlemoreweight.db", sql_create_table)
Tables in the databse:
```

```
# http://www.sqlitetutorial.net/sqlite-delete/
# https://stackoverflow.com/questions/2279706/select-random-row-from-a-sqlite-table
read db = 'train no dup.db'
write db = 'Titlemoreweight.db'
train datasize = 400000
if os.path.isfile(read db):
   conn r = create connection(read db)
   if conn r is not None:
       reader =conn_r.cursor()
       # for selecting first 0.5M rows
       reader.execute("SELECT Title, Body, Tags From no dup train LIMIT 500001;")
       # for selecting random points
       #reader.execute("SELECT Title, Body, Tags From no dup train ORDER BY RANDOM() LIMIT
500001;")
if os.path.isfile(write db):
   conn w = create connection(write db)
   if conn_w is not None:
```

```
tables = checkTableExists(conn_w)
writer =conn_w.cursor()
if tables != 0:
    writer.execute("DELETE FROM QuestionsProcessed WHERE 1")
    print("Cleared All the rows")
```

Tables in the databse: QuestionsProcessed Cleared All the rows

4.5.1 Preprocessing of questions

- 1. Separate Code from Body
- 2. Remove Spcial characters from Question title and description (not in code)
- 3. Give more weightage to title: Add title three times to the question
- 4. Remove stop words (Except 'C')
- 5. Remove HTML Tags
- 6. Convert all the characters into small letters
- 7. Use SnowballStemmer to stem the words

In [0]:

```
#http://www.bernzilla.com/2008/05/13/selecting-a-random-row-from-an-sqlite-table/
start = datetime.now()
preprocessed data list=[]
reader.fetchone()
questions_with_code=0
len_pre=0
len post=0
questions\_proccesed = 0
for row in reader:
    is\_code = 0
    title, question, tags = row[0], row[1], str(row[2])
    if '<code>' in question:
       questions_with_code+=1
        is code = 1
    x = len(question) + len(title)
    len pre+=x
    code = str(re.findall(r'<code>(.*?)</code>', question, flags=re.DOTALL))
    question=re.sub('<code>(.*?)</code>', '', question, flags=re.MULTILINE|re.DOTALL)
    question=striphtml(question.encode('utf-8'))
    title=title.encode('utf-8')
    # adding title three time to the data to increase its weight
    # add tags string to the training data
    question=str(title)+" "+str(title)+" "+str(title)+" "+question
#
      if questions proccesed<=train datasize:</pre>
         question=str(title)+" "+str(title)+" "+str(title)+" "+question+" "+str(tags)
      else:
          question=str(title)+" "+str(title)+" "+str(title)+" "+question
    question=re.sub(r'[^A-Za-z0-9\#+..-]+',' ',question)
    words=word tokenize(str(question.lower()))
    {\tt \#Removing~all~single~letter~and~and~stopwords~from~question~exceptt~for~the~letter~'c'}
   question=' '.join(str(stemmer.stem(j)) for j in words if j not in stop words and (len(j)!=1 or
j=='c'))
    len post+=len(question)
    tup = (question, code, tags, x, len (question), is code)
    questions\_proccesed += 1
   writer.execute("insert into
QuestionsProcessed(question,code,tags,words_pre,words_post,is_code) values (?,?,?,?,?,?)",tup)
    if (questions processed%100000==0):
        nrint ("number of questions completed=" questions processed)
```

```
bitue ( number of daeserous combineda , daeserous broccesea)
no_dup_avg_len_pre=(len_pre*1.0)/questions_proccesed
no dup avg len post=(len post*1.0)/questions proccesed
print( "Avg. length of questions(Title+Body) before processing: %d"%no_dup_avg_len_pre)
print( "Avg. length of questions(Title+Body) after processing: %d"%no dup avg len post)
print ("Percent of questions containing code: %d"%((questions with code*100.0)/questions processed)
print("Time taken to run this cell :", datetime.now() - start)
4
number of questions completed= 100000
number of questions completed= 200000
number of questions completed= 300000
number of questions completed= 400000
number of questions completed= 500000
Avg. length of questions (Title+Body) before processing: 1239
Avg. length of questions (Title+Body) after processing: 424
Percent of questions containing code: 57
Time taken to run this cell: 0:23:12.329039
In [0]:
# never forget to close the conections or else we will end up with database locks
conn r.commit()
conn w.commit()
conn r.close()
conn w.close()
```

Sample quesitons after preprocessing of data

In [0]:

```
if os.path.isfile(write_db):
    conn_r = create_connection(write_db)
    if conn_r is not None:
        reader =conn_r.cursor()
        reader.execute("SELECT question From QuestionsProcessed LIMIT 10")
        print("Questions after preprocessed")
        print('='*100)
        reader.fetchone()
        for row in reader:
            print(row)
            print('-'*100)
        conn_r.commit()
        conn_r.close()
```

Questions after preprocessed

('dynam datagrid bind silverlight dynam datagrid bind silverlight dynam datagrid bind silverlight bind datagrid dynam code wrote code debug code block seem bind correct grid come column form come grid column although necessari bind nthank repli advance..',)

```
('java.lang.noclassdeffounderror javax servlet jsp tagext taglibraryvalid java.lang.noclassdeffounderror javax servlet jsp tagext taglibraryvalid java.lang.noclassdeffounderror javax servlet jsp tagext taglibraryvalid follow guid link instal js tl got follow error tri launch jsp page java.lang.noclassdeffounderror javax servlet jsp tagext ta glibraryvalid taglib declar instal jstl 1.1 tomcat webapp tri project work also tri version 1.2 js tl still messag caus solv',)
```

('java.sql.sqlexcept microsoft odbc driver manag invalid descriptor index java.sql.sqlexcept microsoft odbc driver manag invalid descriptor index java.sql.sqlexcept microsoft odbc driver manag invalid descriptor index use follow code display caus solv',)

('better way updat feed fb php sdk better way updat feed fb php sdk better way updat feed fb php s dk novic facebook api read mani tutori still confused.i find post feed api method like correct sec ond way use curl someth like way better',)

('btnadd click event open two window record ad btnadd click event open two window record ad btnadd click event open two window record ad open window search.aspx use code hav add button search.aspx nwhen insert record btnadd click event open anoth window nafter insert record close window',)

('sql inject issu prevent correct form submiss php sql inject issu prevent correct form submiss php sql inject issu prevent correct form submiss php check everyth think make sure input field safe type sql inject good news safe bad news one tag mess form submiss place even touch life figur exact html use templat file forgiv okay entir php script get execut see data post none forum field post problem use someth titl field none data get post current use print post see submit noth work flawless statement though also mention script work flawless local machin use host come across problem state list input test mess',)

('countabl subaddit lebesgu measur countabl subaddit lebesgu measur countabl subaddit lebesgu meas ur let lbrace rbrace sequenc set sigma -algebra mathcal want show left bigcup right leq sum left r ight countabl addit measur defin set sigma algebra mathcal think use monoton properti somewher pro of start appreci littl help nthank ad han answer make follow addit construct given han answer clea r bigcup bigcup cap emptyset neq left bigcup right left bigcup right sum left right also construct subset monoton left right leq left right final would sum leq sum result follow',)

('hql equival sql queri hql equival sql queri hql equival sql queri hql queri replac name class pr operti name error occur hql error',)

('undefin symbol architectur i386 objc class skpsmtpmessag referenc error undefin symbol architectur i386 objc class skpsmtpmessag referenc error undefin symbol architectur i386 objc class skpsmtpmessag referenc error import framework send email applic background import framework i.e skpsmtpmessag somebodi suggest get error collect2 ld return exit status import framework correct sorc taken framework follow mfmailcomposeviewcontrol question lock field updat answer drag drop folder project click copi nthat',)

Saving Preprocessed data to a Database

In [6]:

```
#Taking 0.5 Million entries to a dataframe.
write_db = 'Titlemoreweight.db'
if os.path.isfile(write_db):
    conn_r = create_connection(write_db)
    if conn_r is not None:
        preprocessed_data = pd.read_sql_query("""SELECT question, Tags FROM QuestionsProcessed""",
conn_r)
conn_r.commit()
conn_r.close()
```

In [7]:

```
preprocessed_data.head()
```

Out[7]:

| | question | tags |
|---|--|-------------------------------------|
| 0 | dynam datagrid bind silverlight dynam datagrid | c# silverlight data-binding |
| 1 | dynam datagrid bind silverlight dynam datagrid | c# silverlight data-binding columns |
| 2 | java.lang.noclassdeffounderror javax servlet j | jsp jstl |
| 3 | java.sql.sqlexcept microsoft odbc driver manag | java jdbc |
| 4 | better way updat feed fb php sdk better way up | facebook api facebook-php-sdk |

In [8]:

```
print("number of data points in sample :", preprocessed_data.shape[0])
print("number of dimensions :", preprocessed_data.shape[1])
number of data points in sample : 500000
```

number of dimensions : 2

Converting string Tags to multilable output variables

In [9]:

```
vectorizer = countvectorizer(tokenizer = rambda x: x.spiit(), binary='true')
multilabel_y = vectorizer.fit_transform(preprocessed_data['tags'])
```

Selecting 500 Tags

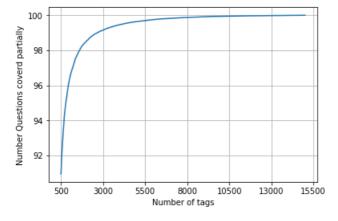
In [10]:

```
questions_explained = []
total_tags=multilabel_y.shape[1]
print(total_tags)
total_qs=preprocessed_data.shape[0]
print(total_qs)
for i in range(500, total_tags, 100):
    questions_explained.append(np.round(((total_qs-questions_explained_fn(i))/total_qs)*100,3))
```

29587 500000

In [11]:

```
fig, ax = plt.subplots()
ax.plot(questions_explained)
xlabel = list(500+np.array(range(-50,450,50))*50)
ax.set_xticklabels(xlabel)
plt.xlabel("Number of tags")
plt.ylabel("Number Questions coverd partially")
plt.grid()
plt.show()
# you can choose any number of tags based on your computing power, minimun is 500(it covers 90% of the tags)
print("with ",5500,"tags we are covering ",questions_explained[50],"% of questions")
print("with ",500,"tags we are covering ",questions_explained[0],"% of questions")
```



with 5500 tags we are covering 99.157 % of questions with 500 tags we are covering 90.956 % of questions

In [12]:

```
# we will be taking 500 tags
multilabel_yx = tags_to_choose(500)
print("number of questions that are not covered :", questions_explained_fn(500),"out of ", total_q
s)
```

number of questions that are not covered : 45221 out of 500000

In [13]:

```
train_datasize = 400000
x_train=preprocessed_data.head(train_datasize)
x_test=preprocessed_data.tail(preprocessed_data.shape[0] - 400000)

y_train = multilabel_yx[0:train_datasize,:]
y_test = multilabel_yx[train_datasize:preprocessed_data.shape[0],:]
```

```
In [14]:
```

```
print("Number of data points in train data :", y_train.shape)
print("Number of data points in test data :", y_test.shape)

Number of data points in train data : (400000, 500)
Number of data points in test data : (100000, 500)
```

4.5.2 Featurizing data with Tfldf vectorizer

```
In [15]:
```

4.5.3 Applying Linear SVM with OneVsRest Classifier

Macro-average quality numbers

precision

Precision: 0.1160, Recall: 0.1621, F1-measure: 0.1228

recall f1-score support

```
In [23]:
start = datetime.now()
classifier = OneVsRestClassifier(SGDClassifier(loss='hinge', alpha=0.00001, penalty='l1'), n jobs=1
classifier.fit(x train multilabel, y train)
predictions = classifier.predict (x_test_multilabel)
print("Accuracy :", metrics.accuracy_score(y_test, predictions))
print("Hamming loss ", metrics.hamming loss(y test, predictions))
precision = precision score(y test, predictions, average='micro')
recall = recall_score(y_test, predictions, average='micro')
f1 = f1 score(y test, predictions, average='micro')
print("Micro-average quality numbers")
print("Precision: {:.4f}, Recall: {:.4f}, F1-measure: {:.4f}".format(precision, recall, f1))
precision = precision_score(y_test, predictions, average='macro')
recall = recall_score(y_test, predictions, average='macro')
f1 = f1_score(y_test, predictions, average='macro')
print("Macro-average quality numbers")
print("Precision: {:.4f}, Recall: {:.4f}, F1-measure: {:.4f}".format(precision, recall, f1))
print (metrics.classification report(y test, predictions))
print("Time taken to run this cell :", datetime.now() - start)
Accuracy : 0.08807
Hamming loss 0.00546
Micro-average quality numbers
Precision: 0.2370, Recall: 0.2571, F1-measure: 0.2467
```

| 0 | 0.79 | 0.63 | 0.70 | 5519 |
|----|------|------|--------------|------|
| 1 | 0.39 | 0.29 | 0.33 | 8190 |
| | | | | |
| 2 | 0.62 | 0.28 | 0.38 | 6529 |
| 3 | 0.66 | 0.33 | 0.44 | 3231 |
| 4 | 0.63 | 0.38 | 0.47 | 6430 |
| 5 | 0.56 | 0.29 | 0.38 | 2879 |
| 6 | 0.63 | 0.52 | 0.57 | 5086 |
| 7 | 0.77 | 0.54 | 0.63 | 4533 |
| 8 | 0.38 | 0.12 | 0.19 | 3000 |
| 9 | 0.70 | 0.52 | 0.60 | 2765 |
| 10 | 0.39 | 0.25 | 0.31 | 3051 |
| | | | | |
| 11 | 0.57 | 0.37 | 0.45 | 3009 |
| 12 | 0.39 | 0.30 | 0.34 | 2630 |
| 13 | 0.37 | 0.21 | 0.27 | 1426 |
| 14 | 0.72 | 0.56 | 0.63 | 2548 |
| 15 | 0.20 | 0.07 | 0.10 | 2371 |
| 16 | 0.53 | 0.18 | 0.26 | 873 |
| 17 | 0.70 | 0.62 | 0.66 | 2151 |
| 18 | 0.49 | 0.24 | 0.32 | 2204 |
| 19 | 0.49 | 0.48 | 0.49 | 831 |
| 20 | 0.62 | 0.47 | 0.54 | 1860 |
| 21 | 0.22 | 0.09 | 0.13 | 2023 |
| 22 | | | | |
| | 0.33 | 0.32 | 0.32 | 1513 |
| 23 | 0.23 | 0.10 | 0.14 | 1207 |
| 24 | 0.46 | 0.18 | 0.26 | 506 |
| 25 | 0.13 | 0.14 | 0.14 | 425 |
| 26 | 0.51 | 0.34 | 0.41 | 793 |
| 27 | 0.45 | 0.42 | 0.43 | 1291 |
| 28 | 0.22 | 0.04 | 0.07 | 1208 |
| 29 | 0.22 | 0.27 | 0.24 | 406 |
| 30 | 0.09 | 0.03 | 0.05 | 504 |
| 31 | 0.19 | 0.14 | 0.16 | 732 |
| 32 | 0.18 | 0.30 | 0.23 | 441 |
| 33 | 0.35 | 0.28 | 0.31 | 1645 |
| 34 | 0.17 | 0.11 | 0.13 | 1058 |
| 35 | 0.74 | 0.50 | 0.60 | 946 |
| 36 | 0.20 | 0.17 | 0.18 | 644 |
| 37 | 0.19 | 0.70 | 0.29 | 136 |
| 38 | 0.41 | 0.45 | 0.43 | 570 |
| 39 | | | | 766 |
| | 0.06 | 0.02 | 0.03 0.32 | |
| 40 | 0.45 | 0.25 | | 1132 |
| 41 | 0.17 | 0.36 | 0.23 | 174 |
| 42 | 0.09 | 0.35 | 0.14 | 210 |
| 43 | 0.16 | 0.25 | 0.20 | 433 |
| 44 | 0.30 | 0.37 | 0.33 | 626 |
| 45 | 0.37 | 0.23 | 0.29 | 852 |
| 46 | 0.40 | 0.44 | 0.42 | 534 |
| 47 | 0.20 | 0.16 | 0.18 | 350 |
| 48 | 0.51 | 0.56 | 0.53 | 496 |
| 49 | 0.37 | 0.25 | 0.30 | 785 |
| 50 | 0.19 | 0.11 | 0.14 | 475 |
| 51 | 0.19 | 0.15 | 0.17 | 305 |
| 52 | 0.15 | 0.14 | 0.14 | 251 |
| 53 | 0.36 | 0.49 | 0.41 | 914 |
| 54 | 0.32 | 0.17 | 0.22 | 728 |
| 55 | 0.08 | 0.10 | 0.09 | 258 |
| 56 | 0.25 | 0.27 | 0.26 | 821 |
| 57 | 0.23 | 0.17 | 0.19 | 541 |
| 58 | 0.08 | 0.02 | 0.03 | 748 |
| 59 | 0.16 | 0.13 | 0.14 | 724 |
| 60 | 0.20 | 0.16 | 0.14 | 660 |
| | 0.08 | 0.10 | 0.07 | |
| 61 | | | | 235 |
| 62 | 0.43 | 0.25 | 0.32 | 718 |
| 63 | 0.37 | 0.37 | 0.37 | 468 |
| 64 | 0.24 | 0.42 | 0.31 | 191 |
| 65 | 0.27 | 0.08 | 0.12 | 429 |
| 66 | 0.15 | 0.25 | 0.19 | 415 |
| 67 | 0.14 | 0.11 | 0.13 | 274 |
| 68 | 0.05 | 0.02 | 0.03 | 510 |
| 69 | 0.09 | 0.06 | 0.08 | 466 |
| 70 | 0.15 | 0.21 | 0.17 | 305 |
| 71 | 0.18 | 0.33 | 0.23 | 247 |
| 72 | 0.09 | 0.08 | 0.09 | 401 |
| 73 | 0.04 | 0.35 | 0.08 | 86 |
| 74 | 0.06 | 0.27 | 0.10 | 120 |
| 75 | 0.03 | 0.12 | 0.05 | 129 |
| 76 | 0.07 | 0.02 | 0.03 | 473 |
| | | | | |

| 77 | 0 10 | 0 20 | 0.06 | 1.40 |
|-----|------|------|------|------|
| 77 | 0.19 | 0.38 | 0.26 | 143 |
| 78 | 0.05 | 0.01 | 0.02 | 347 |
| 79 | 0.08 | 0.04 | 0.05 | 479 |
| 80 | 0.28 | 0.39 | 0.32 | 279 |
| 81 | 0.05 | 0.04 | 0.04 | 461 |
| 82 | 0.08 | 0.11 | 0.09 | 298 |
| 83 | 0.24 | 0.39 | 0.29 | 396 |
| 84 | 0.20 | 0.38 | 0.26 | 184 |
| 85 | 0.26 | 0.29 | 0.28 | 573 |
| 86 | 0.12 | 0.09 | 0.10 | 325 |
| | | | | |
| 87 | 0.18 | 0.31 | 0.23 | 273 |
| 88 | 0.20 | 0.38 | 0.26 | 135 |
| 89 | 0.15 | 0.28 | 0.19 | 232 |
| 90 | 0.30 | 0.38 | 0.33 | 409 |
| 91 | 0.32 | 0.38 | 0.34 | 420 |
| 92 | 0.15 | 0.13 | 0.14 | 408 |
| 93 | 0.10 | 0.19 | 0.13 | 241 |
| 94 | 0.13 | 0.10 | 0.11 | 211 |
| 95 | 0.16 | 0.25 | 0.20 | 277 |
| 96 | 0.15 | 0.21 | 0.18 | 410 |
| 97 | 0.13 | 0.15 | 0.14 | 501 |
| | | | | |
| 98 | 0.04 | 0.08 | 0.05 | 136 |
| 99 | 0.15 | 0.20 | 0.17 | 239 |
| 100 | 0.19 | 0.13 | 0.16 | 324 |
| 101 | 0.18 | 0.43 | 0.25 | 277 |
| 102 | 0.19 | 0.23 | 0.21 | 613 |
| 103 | 0.13 | 0.12 | 0.12 | 157 |
| 104 | 0.14 | 0.16 | 0.15 | 295 |
| 105 | 0.25 | 0.43 | 0.32 | 334 |
| 106 | 0.09 | 0.14 | 0.11 | 335 |
| 107 | 0.29 | 0.59 | 0.39 | 389 |
| 108 | 0.14 | 0.27 | 0.19 | 251 |
| | | | | |
| 109 | 0.08 | 0.05 | 0.06 | 317 |
| 110 | 0.14 | 0.08 | 0.10 | 187 |
| 111 | 0.07 | 0.03 | 0.04 | 140 |
| 112 | 0.09 | 0.30 | 0.14 | 154 |
| 113 | 0.12 | 0.10 | 0.11 | 332 |
| 114 | 0.26 | 0.26 | 0.26 | 323 |
| 115 | 0.17 | 0.23 | 0.20 | 344 |
| 116 | 0.37 | 0.53 | 0.43 | 370 |
| 117 | 0.09 | 0.06 | 0.08 | 313 |
| 118 | 0.11 | 0.08 | 0.09 | 874 |
| 119 | 0.24 | 0.23 | 0.24 | 293 |
| 120 | 0.05 | 0.09 | 0.07 | 200 |
| | | | | |
| 121 | 0.07 | 0.03 | 0.04 | 463 |
| 122 | 0.13 | 0.27 | 0.17 | 119 |
| 123 | 0.02 | 0.01 | 0.02 | 256 |
| 124 | 0.06 | 0.12 | 0.08 | 195 |
| 125 | 0.13 | 0.29 | 0.18 | 138 |
| 126 | 0.20 | 0.19 | 0.19 | 376 |
| 127 | 0.07 | 0.07 | 0.07 | 122 |
| 128 | 0.11 | 0.09 | 0.10 | 252 |
| 129 | 0.16 | 0.17 | 0.16 | 144 |
| 130 | 0.07 | 0.10 | 0.08 | 150 |
| 131 | 0.06 | 0.08 | 0.07 | 210 |
| 132 | 0.18 | 0.19 | 0.19 | 361 |
| 133 | 0.05 | 0.19 | 0.19 | 453 |
| 134 | | | 0.10 | |
| | 0.06 | 0.32 | | 124 |
| 135 | 0.03 | 0.04 | 0.04 | 91 |
| 136 | 0.17 | 0.26 | 0.20 | 128 |
| 137 | 0.17 | 0.34 | 0.23 | 218 |
| 138 | 0.06 | 0.05 | 0.05 | 243 |
| 139 | 0.12 | 0.28 | 0.17 | 149 |
| 140 | 0.20 | 0.26 | 0.23 | 318 |
| 141 | 0.10 | 0.16 | 0.12 | 159 |
| 142 | 0.24 | 0.41 | 0.30 | 274 |
| 143 | 0.09 | 0.07 | 0.08 | 362 |
| 144 | 0.03 | 0.08 | 0.04 | 118 |
| 145 | 0.07 | 0.21 | 0.10 | 164 |
| 146 | | 0.21 | 0.10 | 461 |
| | 0.08 | | | |
| 147 | 0.05 | 0.03 | 0.04 | 159 |
| 148 | 0.14 | 0.15 | 0.14 | 166 |
| 149 | 0.02 | 0.01 | 0.01 | 346 |
| 150 | 0.06 | 0.08 | 0.07 | 350 |
| 151 | 0.02 | 0.20 | 0.03 | 55 |
| 152 | 0.21 | 0.33 | 0.26 | 387 |
| 153 | 0.17 | 0.23 | 0.20 | 150 |
| | | | | |
| | | | | |

| 154 | 0.03 | 0.01 | 0.02 | 281 |
|------------|--------------|--------------|--------------|------------|
| 155 | 0.09 | 0.25 | 0.14 | 202 |
| 156 | 0.02 | 0.13 | 0.04 | 130 |
| 157 | 0.20 | 0.13 | 0.15 | 245 |
| 158 | 0.03 | 0.03 | 0.03 | 177 |
| 159 | 0.05 | 0.16 | 0.07 | 130 |
| 160 | 0.20 | 0.29 | 0.24 | 336 |
| 161 | 0.10 | 0.33 | 0.15 | 220 |
| 162 | 0.11 | 0.17 | 0.13 | 229 |
| 163 | 0.04 | 0.01 | 0.02 | 316 |
| 164 | 0.23 | 0.24 | 0.24 | 283 |
| 165 | 0.22 | 0.36 | 0.28 | 197 |
| 166 | 0.14 0.19 | 0.50 0.26 | 0.21 0.22 | 101 231 |
| 167 168 | 0.19 | 0.20 | 0.22 | 370 |
| 169 | 0.25 | 0.37 | 0.30 | 258 |
| 170 | 0.05 | 0.14 | 0.07 | 101 |
| 171 | 0.03 | 0.25 | 0.06 | 89 |
| 172 | 0.20 | 0.41 | 0.27 | 193 |
| 173 | 0.06 | 0.07 | 0.06 | 309 |
| 174 | 0.06 | 0.04 | 0.05 | 172 |
| 175 | 0.07 | 0.28 | 0.11 | 95 |
| 176 | 0.10 | 0.09 | 0.09 | 346 |
| 177 | 0.07 | 0.10 | 0.08 | 322 |
| 178 | 0.10 | 0.17 | 0.12 | 232 |
| 179 | 0.06 | 0.08 | 0.07 | 125 |
| 180 | 0.07 | 0.24 | 0.11 | 145 |
| 181 | 0.02 | 0.14 | 0.04 | 100 |
| 182 183 | 0.08 0.06 | 0.11 | 0.09 0.07 | 182 257 |
| 184 | 0.11 | 0.06 | 0.07 | 216 |
| 185 | 0.16 | 0.25 | 0.20 | 242 |
| 186 | 0.14 | 0.19 | 0.16 | 165 |
| 187 | 0.05 | 0.10 | 0.06 | 263 |
| 188 | 0.10 | 0.21 | 0.13 | 174 |
| 189 | 0.14 | 0.23 | 0.17 | 136 |
| 190 | 0.08 | 0.07 | 0.07 | 202 |
| 191 | 0.00 | 0.00 | 0.00 | 134 |
| 192 | 0.04 | 0.07 | 0.05 | 230 |
| 193 | 0.13 | 0.30 | 0.18 | 90 |
| 194 195 | 0.07 0.07 | 0.12 0.13 | 0.09 | 185 156 |
| 196 | 0.03 | 0.10 | 0.04 | 160 |
| 197 | 0.06 | 0.09 | 0.08 | 266 |
| 198 | 0.17 | 0.12 | 0.14 | 284 |
| 199 | 0.03 | 0.03 | 0.03 | 145 |
| 200 | 0.02 | 0.03 | 0.03 | 212 |
| 201 | 0.09 | 0.17 | 0.12 | 317 |
| 202 | 0.14 | 0.16 | 0.15 | 427 |
| 203 | 0.15 | 0.26 | 0.19 | 232 |
| 204 | 0.15 | 0.26 | 0.19 | 217 |
| 205 | 0.16 0.07 | 0.03 | 0.06 | 527 |
| 206 207 | 0.14 | 0.04 | 0.05 0.17 | 124 103 |
| 208 | 0.07 | 0.04 | 0.05 | 287 |
| 209 | 0.10 | 0.19 | 0.13 | 193 |
| 210 | 0.07 | 0.14 | 0.09 | 220 |
| 211 | 0.05 | 0.06 | 0.06 | 140 |
| 212 | 0.09 | 0.16 | 0.12 | 161 |
| 213 | 0.15 | 0.46 | 0.23 | 72 |
| 214 | 0.13 | 0.06 | 0.08 | 396 |
| 215 | 0.04 | 0.04 | 0.04 | 134 |
| 216 | 0.11 | 0.13 | 0.12 | 400 |
| 217 218 | 0.02 0.03 | 0.07 0.06 | 0.04 | 75 219 |
| 219 | 0.03 | 0.00 | 0.04 | 219 |
| 220 | 0.05 | 0.15 | 0.14 | 298 |
| 221 | 0.06 | 0.09 | 0.07 | 266 |
| 222 | 0.14 | 0.15 | 0.14 | 290 |
| 223 | 0.07 | 0.05 | 0.06 | 128 |
| 224 | 0.06 | 0.13 | 0.08 | 159 |
| 225 | 0.05 | 0.15 | 0.08 | 164 |
| 226 | 0.04 | 0.06 | 0.05 | 144 |
| 227 | 0.06 | 0.10 | 0.07 | 276 |
| 228 229 | 0.06 0.04 | 0.08 0.09 | 0.07 0.06 | 235 216 |
| 230 | 0.04 | 0.09 | 0.06 | 228 |
| | ~ · ± £ | V • Z 1 | V.±0 | 220 |

| 231 232 233 234 235 236 237 238 239 240 | 0.04 0.09 0.06 0.04 0.02 0.04 0.04 0.08 0.00 | 0.14 0.24 0.09 0.08 0.05 0.22 0.03 0.19 0.00 | 0.06 0.13 0.07 0.05 0.02 0.06 0.04 0.12 0.00 0.05 | 64 103 216 116 77 67 218 139 94 77 |
|--|--|--|--|--|
| 241 242 243 244 245 246 247 248 249 250 251 | 0.07 0.05 0.04 0.15 0.08 0.11 0.03 0.02 0.03 0.04 0.03 | 0.06 0.14 0.19 0.30 0.21 0.16 0.07 0.06 0.11 0.13 0.05 | 0.07 0.08 0.06 0.20 0.11 0.13 0.04 0.03 0.05 0.06 0.04 | 167 86 58 269 112 255 58 81 131 93 |
| 252 253 254 255 256 257 258 259 260 261 262 263 | 0.02 0.04 0.10 0.13 0.04 0.16 0.10 0.12 0.07 0.04 0.05 0.08 | 0.02 0.13 0.16 0.11 0.07 0.43 0.16 0.36 0.13 0.03 0.18 0.07 | 0.02 0.06 0.12 0.12 0.05 0.24 0.12 0.19 0.09 0.04 0.07 | 129 83 191 219 130 93 217 141 143 219 107 236 |
| 264 265 266 267 268 269 270 271 272 273 274 | 0.09 0.06 0.10 0.13 0.05 0.15 0.07 0.06 0.07 0.06 0.04 | 0.24 0.10 0.24 0.12 0.07 0.35 0.09 0.12 0.17 0.03 0.11 | 0.13 0.07 0.14 0.13 0.06 0.21 0.08 0.08 0.10 0.04 0.06 | 119 72 70 107 169 129 159 190 248 264 |
| 275 276 277 278 279 280 281 282 283 284 285 | 0.08 0.05 0.09 0.06 0.11 0.03 0.05 0.04 0.12 0.03 | 0.09 0.10 0.16 0.07 0.06 0.05 0.06 0.07 0.20 0.12 | 0.08 0.07 0.11 0.07 0.08 0.04 0.05 0.05 0.15 | 104 115 170 145 230 80 217 175 269 74 206 |
| 286 287 288 289 290 291 292 293 294 295 296 297 | 0.02 0.06 0.09 0.05 0.04 0.03 0.04 0.02 0.16 0.12 0.14 | 0.02 0.15 0.12 0.19 0.16 0.05 0.21 0.04 0.44 0.24 0.38 0.20 | 0.02 0.08 0.10 0.08 0.06 0.04 0.07 0.03 0.24 0.16 0.21 0.12 | 227 130 129 80 99 208 67 109 140 241 72 107 |
| 298 299 300 301 302 303 304 305 306 307 | 0.14 0.30 0.08 0.02 0.03 0.08 0.08 0.05 0.24 | 0.38 0.47 0.24 0.02 0.04 0.12 0.07 0.03 0.48 0.19 | 0.20 0.37 0.12 0.02 0.03 0.10 0.07 0.03 0.32 | 61 77 111 126 73 176 230 156 146 98 |

| J J . | · • · · | · · · · | · · · · | J U |
|-------|---------|---------|---------|-----|
| 308 | 0.01 | 0.03 | 0.02 | 78 |
| 309 | 0.02 | 0.04 | 0.02 | 94 |
| 310 | 0.25 | 0.41 | 0.31 | 162 |
| 311 | 0.07 | 0.11 | 0.08 | 116 |
| | | | | |
| 312 | 0.02 | 0.05 | 0.03 | 57 |
| 313 | 0.05 | 0.09 | 0.06 | 65 |
| 314 | 0.06 | 0.04 | 0.05 | 138 |
| 315 | 0.08 | 0.09 | 0.09 | 195 |
| 316 | 0.02 | 0.07 | 0.03 | 69 |
| 317 | 0.04 | 0.14 | 0.06 | 134 |
| | | | | |
| 318 | 0.17 | 0.40 | 0.24 | 148 |
| 319 | 0.17 | 0.32 | 0.22 | 161 |
| 320 | 0.09 | 0.24 | 0.14 | 104 |
| 321 | 0.05 | 0.09 | 0.07 | 156 |
| 322 | 0.03 | 0.05 | 0.04 | 134 |
| 323 | 0.21 | 0.38 | 0.27 | 232 |
| 324 | 0.13 | 0.23 | 0.17 | 92 |
| | | | | |
| 325 | 0.15 | 0.26 | 0.19 | 197 |
| 326 | 0.05 | 0.10 | 0.07 | 126 |
| 327 | 0.03 | 0.02 | 0.02 | 115 |
| 328 | 0.00 | 0.01 | 0.00 | 198 |
| 329 | 0.05 | 0.12 | 0.07 | 125 |
| 330 | 0.07 | 0.16 | 0.10 | 81 |
| | | | | |
| 331 | 0.04 | 0.05 | 0.04 | 94 |
| 332 | 0.05 | 0.16 | 0.07 | 56 |
| 333 | 0.09 | 0.12 | 0.10 | 260 |
| 334 | 0.04 | 0.12 | 0.06 | 60 |
| 335 | 0.11 | 0.18 | 0.13 | 110 |
| 336 | 0.02 | 0.08 | 0.04 | 71 |
| | | | | |
| 337 | 0.00 | 0.00 | 0.00 | 66 |
| 338 | 0.07 | 0.19 | 0.10 | 150 |
| 339 | 0.01 | 0.04 | 0.02 | 54 |
| 340 | 0.01 | 0.01 | 0.01 | 195 |
| 341 | 0.14 | 0.23 | 0.17 | 79 |
| 342 | 0.10 | 0.39 | 0.16 | 38 |
| | | | | |
| 343 | 0.12 | 0.28 | 0.16 | 43 |
| 344 | 0.11 | 0.13 | 0.12 | 68 |
| 345 | 0.04 | 0.04 | 0.04 | 73 |
| 346 | 0.07 | 0.13 | 0.09 | 116 |
| 347 | 0.02 | 0.04 | 0.03 | 111 |
| 348 | 0.03 | 0.13 | 0.04 | 63 |
| 349 | 0.03 | 0.06 | | 104 |
| | | | 0.04 | |
| 350 | 0.03 | 0.23 | 0.06 | 44 |
| 351 | 0.12 | 0.25 | 0.16 | 40 |
| 352 | 0.04 | 0.09 | 0.05 | 136 |
| 353 | 0.08 | 0.06 | 0.06 | 54 |
| 354 | 0.06 | 0.03 | 0.04 | 134 |
| 355 | 0.09 | 0.12 | 0.10 | 120 |
| | | | | |
| 356 | 0.20 | 0.39 | 0.26 | 228 |
| 357 | 0.15 | 0.21 | 0.18 | 269 |
| 358 | 0.01 | 0.03 | 0.02 | 80 |
| 359 | 0.06 | 0.11 | 0.08 | 140 |
| 360 | 0.11 | 0.30 | 0.16 | 125 |
| 361 | 0.08 | 0.06 | 0.07 | 169 |
| 362 | 0.01 | 0.02 | 0.01 | 56 |
| 363 | | | 0.03 | 154 |
| | 0.03 | 0.05 | | |
| 364 | 0.06 | 0.12 | 0.08 | 58 |
| 365 | 0.11 | 0.28 | 0.16 | 71 |
| 366 | 0.01 | 0.07 | 0.02 | 54 |
| 367 | 0.03 | 0.11 | 0.04 | 116 |
| 368 | 0.02 | 0.04 | 0.03 | 54 |
| 369 | 0.04 | 0.14 | 0.06 | 71 |
| | | | | |
| 370 | 0.05 | 0.11 | 0.06 | 61 |
| 371 | 0.00 | 0.00 | 0.00 | 71 |
| 372 | 0.04 | 0.13 | 0.06 | 52 |
| 373 | 0.05 | 0.11 | 0.07 | 150 |
| 374 | 0.04 | 0.04 | 0.04 | 93 |
| 375 | 0.04 | 0.10 | 0.06 | 67 |
| 376 | 0.02 | 0.05 | 0.03 | 76 |
| | | | | |
| 377 | 0.13 | 0.20 | 0.15 | 106 |
| 378 | 0.04 | 0.09 | 0.06 | 86 |
| 379 | 0.01 | 0.07 | 0.01 | 14 |
| 380 | 0.00 | 0.00 | 0.00 | 122 |
| 381 | 0.03 | 0.07 | 0.04 | 104 |
| 382 | 0.00 | 0.00 | 0.00 | 66 |
| | | | | 110 |
| 383 | 0.01 | 0.02 | 0.01 | |
| 384 | 0.04 | 0.05 | 0.04 | 155 |
| | | | | |

| 385 0.05 0.24 0.08 50 386 0.02 0.02 0.02 64 387 0.04 0.08 0.05 93 388 0.04 0.12 0.06 102 389 0.05 0.11 0.07 108 390 0.03 0.03 0.03 178 391 0.03 0.06 0.04 115 392 0.03 0.14 0.04 42 393 0.03 0.02 0.03 134 394 0.04 0.07 0.05 112 395 0.06 0.13 0.08 176 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 410 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 83 417 0.03 0.03 0.03 83 417 0.03 0.03 0.03 83 417 0.03 0.03 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 429 0.01 0.05 0.02 37 425 0.02 0.04 0.02 76 428 0.01 0.05 0.02 37 425 0.02 0.04 0.02 76 428 0.01 0.05 0.02 37 425 0.02 0.04 0.02 76 428 0.01 0.05 0.02 39 433 0.09 0.12 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.09 0.00 0.00 38 449 0.11 0.15 0.02 39 439 0.00 0.00 0.00 0.00 38 449 0.11 0.07 0.01 123 443 0.00 0.00 0.00 0.00 38 449 0.11 0.07 0.01 0.01 123 445 0.00 0.00 0.00 0.00 38 449 0.11 0.07 0.01 0.01 123 455 0.00 0.00 0.00 0.00 38 449 0.11 0.07 0.01 0.01 123 455 0.00 0.00 0.00 0.00 38 448 0.01 0.05 0.02 37 455 0.00 0.00 0.00 0.00 38 449 0.11 0.15 0.02 0.03 119 441 0.00 0.00 0.00 0.00 38 448 0.01 0.01 0.01 0.01 72 458 0.00 0.01 0.01 0.01 72 458 0.00 0.00 0.00 0.00 0.00 38 449 0.11 0.27 0.16 132 459 0.00 0.00 0.00 0.00 38 449 0.11 0.07 0.01 0.01 72 458 0.05 0.01 0.01 0.01 72 458 0.05 0.01 0.01 0.01 72 458 0.05 | | | | | |
|--|-------|---------|---------|---------|-----|
| 386 0.02 0.02 0.02 64 387 0.04 0.08 0.05 93 388 0.04 0.12 0.06 102 389 0.05 0.11 0.07 108 390 0.03 0.03 0.03 0.04 115 392 0.03 0.14 0.04 42 393 0.03 0.02 0.03 134 394 0.04 0.07 0.05 112 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 <td>J J 1</td> <td>U • U 1</td> <td>U • U U</td> <td>U • U ±</td> <td>+~~</td> | J J 1 | U • U 1 | U • U U | U • U ± | +~~ |
| 387 0.04 0.08 0.05 93 388 0.04 0.12 0.06 102 389 0.05 0.11 0.07 108 390 0.03 0.03 0.03 178 391 0.03 0.06 0.04 42 393 0.03 0.02 0.03 134 394 0.04 0.07 0.05 112 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 398 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.36 0.17 83 402 0.01 0.01 0.01 80 | 385 | 0.05 | 0.24 | 0.08 | 50 |
| 387 0.04 0.08 0.05 93 388 0.04 0.12 0.06 102 389 0.05 0.11 0.07 108 390 0.03 0.03 0.03 178 391 0.03 0.06 0.04 42 393 0.03 0.02 0.03 134 394 0.04 0.07 0.05 112 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 398 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.35 0.16 63 399 0.11 0.36 0.17 83 402 0.01 0.01 0.01 80 | 386 | 0.02 | 0.02 | 0.02 | 64 |
| 388 0.04 0.12 0.06 102 389 0.05 0.11 0.07 108 390 0.03 0.03 0.06 0.04 115 391 0.03 0.06 0.04 115 392 0.03 0.14 0.04 42 393 0.03 0.02 0.05 112 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 400 0.02 0.03 0.02 59 403 0.11 0.06 0.01 0.01 | | | | | |
| 389 0.05 0.11 0.07 108 390 0.03 0.03 0.03 178 391 0.03 0.04 42 393 0.03 0.14 0.04 42 393 0.03 0.02 0.03 134 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.02 0.17 83 402 0.01 0.01 0.01 0.02 0.17 83 404 0.05 0.37 0.08 | | | | | |
| 390 0.03 0.03 0.04 115 391 0.03 0.06 0.04 115 392 0.03 0.14 0.04 42 393 0.03 0.02 0.03 134 394 0.04 0.07 0.05 112 396 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 166 63 399 0.01 0.05 0.02 13 98 401 0.09 0.02 0.13 98 402 0.01 0.01 0.01 122 403 0.11 0.02 0.03 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<> | | | | | |
| 391 0.03 0.06 0.04 42 392 0.03 0.14 0.04 42 393 0.03 0.12 0.05 112 395 0.06 0.13 0.08 176 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 40 | 389 | 0.05 | 0.11 | 0.07 | 108 |
| 392 0.03 0.14 0.04 42 393 0.03 0.02 0.05 112 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 162 403 0.11 0.36 0.17 83 402 0.01 0.01 162 403 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.0 | 390 | 0.03 | 0.03 | 0.03 | 178 |
| 392 0.03 0.14 0.04 42 393 0.03 0.02 0.05 112 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 162 403 0.11 0.36 0.17 83 402 0.01 0.01 162 403 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.0 | 391 | 0.03 | 0.06 | 0.04 | 115 |
| 393 0.03 0.02 0.03 134 394 0.04 0.07 0.05 112 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 397 0.23 0.20 0.02 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 63 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 63 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.07 43 408 0.08 0.13 0.07 408 0.08 0.13 <t< td=""><td>392</td><td></td><td>0.14</td><td>0.04</td><td></td></t<> | 392 | | 0.14 | 0.04 | |
| 394 0.04 0.07 0.05 112 395 0.06 0.13 0.08 176 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 1.62 403 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.8 0.13 0.10 160 409 0.00 0.00 0.00 0.00 410 0.02 0.16 0.20 175 | | | | | |
| 395 0.06 0.13 0.08 176 396 0.02 0.06 0.03 125 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 41 | | | | | |
| 396 0.02 0.06 0.03 125 397 0.23 0.20 0.02 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 0.00 400 0.02 0.16 0.20 175 412 0.09 0.19 0.12 175 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<> | | | | | |
| 397 0.23 0.20 0.22 224 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 0.00 40 409 0.00 0.00 0.00 50 41 410 0.02 0.16 0.03 19 411 0.16 0.03 0.01 7 | 395 | 0.06 | 0.13 | 0.08 | |
| 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 63 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 9.5 414 0.09 | 396 | 0.02 | 0.06 | 0.03 | 125 |
| 398 0.11 0.35 0.16 63 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 95 414 0.09 42 0.13 97 415 0.06 <td>397</td> <td>0.23</td> <td>0.20</td> <td>0.22</td> <td>224</td> | 397 | 0.23 | 0.20 | 0.22 | 224 |
| 399 0.01 0.05 0.02 59 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 10 160 409 0.00 0.00 0.00 10 160 409 0.00 0.00 0.00 10 160 410 0.02 0.16 0.03 19 411 0.16 0.03 0.03 19 412 0.09 0.19 0.1 | 398 | 0 11 | | | |
| 400 0.02 0.03 0.02 63 401 0.09 0.32 0.13 98 402 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02< | | | | | |
| 401 0.09 0.32 0.13 98 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 93 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 | | | | | |
| 402 0.01 0.01 0.01 162 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418< | | | | | |
| 403 0.11 0.36 0.17 83 404 0.05 0.37 0.08 19 406 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 </td <td>401</td> <td></td> <td></td> <td>0.13</td> <td>98</td> | 401 | | | 0.13 | 98 |
| 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 0.03 83 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 | 402 | 0.01 | 0.01 | 0.01 | 162 |
| 404 0.05 0.37 0.08 19 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 0.03 83 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 | 403 | 0.11 | 0.36 | 0.17 | 83 |
| 405 0.10 0.28 0.15 92 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 </td <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 406 0.02 0.12 0.03 41 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.09 42 418 0.11 0.19 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 407 0.05 0.09 0.07 43 408 0.08 0.13 0.10 160 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 </td <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 408 0.08 0.13 0.10 160 409 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 36 424 0.01 </td <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 409 0.00 0.00 0.00 50 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 422 0.07 0.21 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 37 424 0.01 0.15 0.02 38 425 <td>407</td> <td>0.05</td> <td>0.09</td> <td>0.07</td> <td>43</td> | 407 | 0.05 | 0.09 | 0.07 | 43 |
| 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 36 424 0.01 0.15 0.02 36 425 0.02 0.04 0.02 76 424 <td>408</td> <td>0.08</td> <td>0.13</td> <td>0.10</td> <td>160</td> | 408 | 0.08 | 0.13 | 0.10 | 160 |
| 410 0.02 0.16 0.03 19 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 36 424 0.01 0.15 0.02 36 425 0.02 0.04 0.02 76 424 <td>409</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>50</td> | 409 | 0.00 | 0.00 | 0.00 | 50 |
| 411 0.16 0.26 0.20 175 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 424 0.01 0.15 0.02 36 426 <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 412 0.09 0.19 0.12 72 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 36 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 413 0.03 0.03 0.03 95 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 424 0.01 0.15 0.02 76 424 0.01 0.07 0.01 29 426 0.03 0.10 0.05 81 427 <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 414 0.09 0.20 0.13 97 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 36 424 0.01 0.15 0.02 36 424 0.01 0.15 0.02 76 424 0.01 0.15 0.02 33 425 0.02 0.04 0.04 0.02 76 424 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 < | | 0.09 | 0.19 | 0.12 | |
| 415 0.06 0.19 0.09 48 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 428 0.01 0.07 0.01 29 430 0.02 0.02 0.02 39 431 <td>413</td> <td>0.03</td> <td>0.03</td> <td>0.03</td> <td>95</td> | 413 | 0.03 | 0.03 | 0.03 | 95 |
| 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 39 431 </td <td>414</td> <td>0.09</td> <td>0.20</td> <td>0.13</td> <td>97</td> | 414 | 0.09 | 0.20 | 0.13 | 97 |
| 416 0.02 0.05 0.03 83 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 39 431 </td <td>415</td> <td>0.06</td> <td>0.19</td> <td>0.09</td> <td>48</td> | 415 | 0.06 | 0.19 | 0.09 | 48 |
| 417 0.03 0.07 0.05 40 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 | | | | | |
| 418 0.11 0.19 0.14 91 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 | | | | | |
| 419 0.00 0.00 0.00 90 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 | | | | | |
| 420 0.01 0.05 0.02 37 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 | | | | | |
| 421 0.09 0.12 0.11 66 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 | 419 | 0.00 | 0.00 | 0.00 | 90 |
| 422 0.07 0.21 0.10 73 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 | 420 | 0.01 | 0.05 | 0.02 | 37 |
| 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 43 | 421 | 0.09 | 0.12 | 0.11 | 66 |
| 423 0.01 0.05 0.02 56 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 43 | 422 | 0.07 | 0.21 | 0.10 | 73 |
| 424 0.01 0.15 0.02 33 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 4 | 423 | | | | 56 |
| 425 0.02 0.04 0.02 76 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 | | | | | |
| 426 0.03 0.10 0.05 81 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 | | | | | |
| 427 0.04 0.04 0.04 150 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<> | | | | | |
| 428 0.01 0.07 0.01 29 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<> | | | | | |
| 429 0.08 0.03 0.04 389 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 71 442 0.08 0.11 0.09 123 443 0.00 | 427 | 0.04 | 0.04 | 0.04 | 150 |
| 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 71 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 72 444 0.03 | 428 | 0.01 | 0.07 | 0.01 | 29 |
| 430 0.02 0.02 0.02 167 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 71 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 72 444 0.03 | 429 | 0.08 | 0.03 | 0.04 | |
| 431 0.07 0.19 0.11 123 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 71 444 0.03 0.04 0.03 76 447 0.00 0.03 0.15 48 446 0.03 0.04 0.03 76 447 0.00 <t< td=""><td>430</td><td></td><td></td><td></td><td></td></t<> | 430 | | | | |
| 432 0.01 0.05 0.02 39 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 71 444 0.03 0.04 0.03 76 447 0.00 0.03 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<> | | | | | |
| 433 0.09 0.12 0.10 82 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<> | | | | | |
| 434 0.06 0.32 0.11 66 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 < | | | | | |
| 435 0.08 0.10 0.09 93 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 < | | | | | |
| 436 0.07 0.08 0.08 87 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 < | 434 | 0.06 | 0.32 | 0.11 | 66 |
| 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 < | 435 | 0.08 | 0.10 | 0.09 | 93 |
| 437 0.00 0.00 0.00 86 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 < | 436 | 0.07 | 0.08 | 0.08 | 87 |
| 438 0.04 0.04 0.04 104 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 < | 437 | | | 0.00 | 86 |
| 439 0.06 0.09 0.07 100 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 < | | | | | |
| 440 0.07 0.10 0.08 141 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<> | | | | | |
| 441 0.02 0.02 0.02 110 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<> | | | | | |
| 442 0.08 0.11 0.09 123 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 | | | | | |
| 443 0.02 0.04 0.03 71 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0 | 441 | 0.02 | 0.02 | 0.02 | 110 |
| 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | 442 | 0.08 | 0.11 | 0.09 | 123 |
| 444 0.03 0.04 0.03 109 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | 443 | 0.02 | 0.04 | 0.03 | 71 |
| 445 0.10 0.33 0.15 48 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 446 0.03 0.04 0.03 76 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 447 0.00 0.00 0.00 38 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.05 0.03 119 | | | | | |
| 448 0.03 0.02 0.03 81 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.05 0.03 119 | | | | | |
| 449 0.11 0.27 0.16 132 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 450 0.01 0.01 0.01 81 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | 448 | | 0.02 | 0.03 | 81 |
| 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | 449 | 0.11 | 0.27 | 0.16 | 132 |
| 451 0.00 0.00 0.00 76 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | 450 | 0.01 | 0.01 | 0.01 | 81 |
| 452 0.02 0.07 0.03 44 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 453 0.03 0.09 0.04 44 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 454 0.04 0.16 0.06 70 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 455 0.10 0.17 0.13 155 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 456 0.02 0.07 0.03 43 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 457 0.00 0.01 0.01 72 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 458 0.05 0.21 0.08 62 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | | | | | |
| 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | 457 | 0.00 | 0.01 | 0.01 | 72 |
| 459 0.04 0.16 0.06 69 460 0.02 0.05 0.03 119 | 458 | 0.05 | 0.21 | 0.08 | 62 |
| 460 0.02 0.05 0.03 119 | | | | | |
| | | | | | |
| | | | | | |
| | • • | | | | |

```
467
                 0.04
                           0.08
                                    0.06
                                               107
                 0.09
                          0.23
        468
                                   0.13
                                               126
        469
                 0.05
                          0.08
                                   0.06
                                               114
        470
                 0.04
                          0.05
                                   0.04
                                               140
                                   0.02
        471
                 0.02
                          0.04
                                               79
        472
                 0.04
                          0.05
                                               143
                                   0.05
                          0.04
        473
                 0.07
                                               158
        474
                 0.01
                          0.01
                                   0.01
                                              138
        475
                 0.06
                          0.25
                                   0.10
                                               59
                          0.00
                                   0.00
                 0.00
                                               88
        476
        477
                 0.07
                           0.18
                                    0.10
                                               176
        478
                 0.01
                           0.12
                                    0.02
                                               24
                                   0.06
        479
                 0.04
                          0.12
                                               92
                          0.04
        480
                 0.03
                                   0.03
                                               100
                                               103
        481
                 0.15
                          0.36
                                   0.22
                                   0.12
        482
                 0.08
                          0.26
                                               74
        483
                 0.01
                           0.02
                                    0.01
                                               105
                                   0.08
                          0.14
                 0.06
                                               83
        484
        485
                 0.04
                          0.12
                                   0.05
                                               82
        486
                 0.05
                          0.11
                                   0.07
                                               71
                          0.07
                                   0.05
        487
                 0.04
                                               120
        488
                 0.03
                           0.09
                                    0.05
                                               105
        489
                 0.03
                          0.03
                                    0.03
                                               87
                 0.02
                          0.22
                                   0.04
        490
                                               32
        491
                 0.02
                          0.06
                                   0.03
                                   0.07
        492
                 0.05
                          0.14
                                               49
                          0.09
                                   0.04
        493
                 0.03
                                               117
        494
                 0.01
                          0.03
                                               61
                                   0.02
                          0.01
        495
                 0.07
                                               344
        496
                 0.10
                          0.17
                                   0.13
                                               52
        497
                 0.03
                         0.07
                                   0.04
                                               137
                                  0.03
                 0.02
        498
                          0.06
                                               98
        499
                 0.01
                           0.04
                                    0.02
                                                79
                 0.24
                          0.26
                                   0.25 173812
  micro avo
  macro avg
                0.12
                         0.16
                                   0.12 173812
weighted avg
                 0.33
                          0.26
                                   0.27
                                            173812
                 0.23
                          0.24
                                    0.21
                                            173812
samples avg
Time taken to run this cell: 0:19:18.139856
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1143: UndefinedMetricWarning: Precision and F-score are
ill-defined and being set to 0.0 in samples with no predicted labels.
  'precision', 'predicted', average, warn for)
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1145: UndefinedMetricWarning: Recall and F-score are il
1-defined and being set to 0.0 in samples with no true labels.
  'recall', 'true', average, warn_for)
In [24]:
joblib.dump(classifier, 'lr with more title weight.pkl')
Out[24]:
['lr with more title weight.pkl']
In [18]:
{\it \#https://datascience.stackexchange.com/questions/41680/how-to-implement-gridsearchcv-for-onevsrest}
class if ier-of-logistic regression-clas\\
#https://stackoverflow.com/questions/12632992/gridsearch-for-an-estimator-inside-a-
onevsrestclassifier
param grid = {"estimator alpha": [10**-5,10**-4, 10**-3,10**-2, 10**-1,10**0, 10**1, 10**2,10**3,
10**4,10**5,]}
clf = OneVsRestClassifier(SGDClassifier(loss='log',penalty='l1'))
```

U . 1 U

0.09

0.07

0.03

0.10

0.05

コリエ

462

463

464

465

466

∪.⊥∪

0.17

0.13

0.07

0.23

0.09

∪•±±

0.12

0.09

0.04

0.14

0.06

47

104

106

64

173

```
model = GridSearchCV(clf,param grid, scoring = 'f1 micro', cv=2,n jobs=-1)
model.fit(x train multilabel, y train)
print(model.best estimator )
OneVsRestClassifier(estimator=SGDClassifier(alpha=0.001, average=False, class weight=None,
      early_stopping=False, epsilon=0.1, eta0=0.0, fit_intercept=True,
      11 ratio=0.15, learning rate='optimal', loss='log', max iter=None,
      n_iter=None, n_iter_no_change=5, n_jobs=None, penalty='11',
      power t=0.5, random state=None, shuffle=True, tol=None,
      validation fraction=0.1, verbose=0, warm start=False),
         n iobs=None)
Tn [19]:
start = datetime.now()
classifier 2 = OneVsRestClassifier(estimator=SGDClassifier(alpha=0.001, average=False,
class weight=None,
      early stopping=False, epsilon=0.1, eta0=0.0, fit intercept=True,
      11 ratio=0.15, learning rate='optimal', loss='log', max iter=None,
      n_iter=None, n_iter_no_change=5, n_jobs=None, penalty='11',
      power_t=0.5, random_state=None, shuffle=True, tol=None,
       validation fraction=0.1, verbose=0, warm start=False),
         n jobs=-1)
classifier 2.fit(x train multilabel, y train)
predictions 2 = classifier 2.predict(x test multilabel)
print("Accuracy :", metrics.accuracy_score(y_test, predictions_2))
print("Hamming loss ",metrics.hamming_loss(y_test,predictions_2))
precision = precision_score(y_test, predictions 2, average='micro')
recall = recall_score(y_test, predictions_2, average='micro')
f1 = f1_score(y_test, predictions 2, average='micro')
print("Micro-average quality numbers")
print("Precision: {:.4f}, Recall: {:.4f}, F1-measure: {:.4f}".format(precision, recall, f1))
precision = precision_score(y_test, predictions_2, average='macro')
recall = recall_score(y_test, predictions_2, average='macro')
f1 = f1 score(y test, predictions 2, average='macro')
print("Macro-average quality numbers")
print("Precision: {:.4f}, Recall: {:.4f}, F1-measure: {:.4f}".format(precision, recall, f1))
print (metrics.classification report(y test, predictions 2))
print("Time taken to run this cell :", datetime.now() - start)
Accuracy : 0.16081
Hamming loss 0.00335502
Micro-average quality numbers
Precision: 0.5476, Recall: 0.2005, F1-measure: 0.2936
Macro-average quality numbers
Precision: 0.1440, Recall: 0.0693, F1-measure: 0.0857
             precision recall f1-score support
          0
                  0.88
                           0.60
                                     0.72
                                               5519
                                    0.27
                           0.18
                                              81.90
                  0.58
          1
          2
                  0.82
                           0.30
                                    0.44
                                              6529
          3
                  0.66
                           0.40
                                    0.50
                                               3231
                                    0.51
                           0.37
                  0.80
          4
                                               6430
          5
                  0.72
                           0.35
                                     0.47
                                               2879
                                    0.64
                                              5086
          6
                  0.80
                           0.54
          7
                  0.87
                           0.53
                                    0.66
                                               4533
          8
                 0.57
                           0.14
                                    0.22
                                               3000
                          0.58
                                              2765
          9
                  0.62
                                    0.60
          10
                  0.53
                           0.17
                                     0.26
                                               3051
          11
                  0.79
                           0.27
                                     0.41
                                               3009
                                     0.35
                                               2630
                  0.38
                           0.32
         12
         13
                 0.49
                           0.14
                                    0.22
                                               1426
         14
                 0.85
                           0.59
                                    0.70
                                              2548
                                    0.02
                                              2371
         15
                  0.19
                           0.01
                  0.58
                           0.24
                                     0.34
                                                873
                                    0.71
         17
                  0.80
                           0.64
                                               2151
                                    0.32
                          0.21
         18
                 0.68
                                               2204
                                    0.47
                 0.69
                          0.36
                                               831
```

| 20 | 0.63 | 0.47 | 0.54 | 1860 |
|----|------|------|------|------|
| | 0.03 | | | |
| 21 | | 0.11 | 0.15 | 2023 |
| 22 | 0.35 | 0.30 | 0.32 | 1513 |
| 23 | 0.34 | 0.02 | 0.03 | 1207 |
| 24 | 0.30 | 0.40 | 0.34 | 506 |
| 25 | 0.17 | 0.08 | 0.11 | 425 |
| 26 | 0.56 | 0.40 | 0.46 | 793 |
| 27 | 0.54 | 0.34 | 0.41 | 1291 |
| 28 | 0.30 | 0.03 | 0.06 | 1208 |
| 29 | 0.28 | 0.12 | 0.17 | 406 |
| 30 | 0.12 | 0.01 | 0.02 | 504 |
| 31 | 0.16 | 0.18 | 0.17 | 732 |
| 32 | 0.49 | 0.23 | 0.31 | 441 |
| 33 | 0.33 | 0.13 | 0.18 | 1645 |
| 34 | 0.26 | 0.01 | 0.02 | 1058 |
| 35 | 0.77 | 0.57 | 0.65 | 946 |
| 36 | 0.27 | 0.02 | 0.04 | 644 |
| 37 | 0.91 | 0.78 | 0.84 | 136 |
| 38 | 0.53 | 0.43 | 0.48 | 570 |
| 39 | 0.00 | 0.00 | 0.00 | 766 |
| 40 | 0.52 | 0.24 | 0.33 | 1132 |
| 41 | 0.42 | 0.20 | 0.27 | 174 |
| 42 | 0.09 | 0.11 | 0.10 | 210 |
| 43 | 0.18 | 0.11 | 0.14 | 433 |
| 44 | 0.64 | 0.31 | 0.42 | 626 |
| 45 | 0.50 | 0.15 | 0.23 | 852 |
| 46 | 0.67 | 0.41 | 0.51 | 534 |
| 47 | 0.23 | 0.27 | 0.24 | 350 |
| 48 | 0.71 | 0.48 | 0.57 | 496 |
| 49 | 0.27 | 0.40 | 0.04 | 785 |
| 50 | 0.17 | 0.02 | | 475 |
| | | | 0.14 | |
| 51 | 0.30 | 0.12 | 0.18 | 305 |
| 52 | 0.26 | 0.09 | 0.13 | 251 |
| 53 | 0.67 | 0.38 | 0.49 | 914 |
| 54 | 0.42 | 0.18 | 0.26 | 728 |
| 55 | 0.00 | 0.00 | 0.00 | 258 |
| 56 | 0.33 | 0.15 | 0.21 | 821 |
| 57 | 0.42 | 0.09 | 0.15 | 541 |
| 58 | 0.00 | 0.00 | 0.00 | 748 |
| 59 | 1.00 | 0.00 | 0.00 | 724 |
| 60 | 0.24 | 0.09 | 0.13 | 660 |
| 61 | 0.17 | 0.01 | 0.02 | 235 |
| 62 | 0.35 | 0.12 | 0.18 | 718 |
| 63 | 0.58 | 0.14 | 0.23 | 468 |
| 64 | 0.54 | 0.47 | 0.50 | 191 |
| 65 | 0.19 | 0.08 | 0.11 | 429 |
| 66 | 0.14 | 0.15 | 0.15 | 415 |
| 67 | 0.07 | 0.02 | 0.03 | 274 |
| 68 | 0.00 | 0.00 | 0.00 | 510 |
| 69 | 0.00 | 0.00 | 0.00 | 466 |
| 70 | 0.28 | 0.12 | 0.17 | 305 |
| 71 | 0.29 | 0.19 | 0.23 | 247 |
| 72 | 1.00 | 0.00 | 0.00 | 401 |
| 73 | 0.11 | 0.12 | 0.12 | 86 |
| 74 | 0.12 | 0.05 | 0.07 | 120 |
| 75 | 0.00 | 0.00 | 0.00 | 129 |
| 76 | 0.00 | 0.00 | 0.00 | 473 |
| 77 | 0.32 | 0.38 | 0.35 | 143 |
| 78 | 0.00 | 0.00 | 0.00 | 347 |
| 79 | 0.00 | 0.00 | 0.00 | 479 |
| 80 | 0.33 | 0.40 | 0.36 | 279 |
| 81 | 0.00 | 0.00 | 0.00 | 461 |
| 82 | 0.12 | 0.01 | 0.01 | 298 |
| 83 | 0.42 | 0.19 | 0.26 | 396 |
| 84 | 0.38 | 0.33 | 0.35 | 184 |
| 85 | 0.31 | 0.11 | 0.16 | 573 |
| 86 | 0.07 | 0.02 | 0.03 | 325 |
| 87 | 0.43 | 0.20 | 0.27 | 273 |
| 88 | 0.28 | 0.22 | 0.25 | 135 |
| 89 | 0.17 | 0.24 | 0.20 | 232 |
| 90 | 0.39 | 0.33 | 0.36 | 409 |
| 91 | 0.61 | 0.27 | 0.37 | 420 |
| 92 | 0.00 | 0.00 | 0.00 | 408 |
| 93 | 0.17 | 0.02 | 0.04 | 241 |
| 94 | 0.15 | 0.08 | 0.10 | 211 |
| 95 | 0.24 | 0.16 | 0.19 | 277 |
| 96 | 0.24 | 0.02 | 0.04 | 410 |
| | | | | |

| | · · - · | · • · - | · • · · | |
|-----|---------|---------|---------|-----|
| 97 | 0.00 | 0.00 | 0.00 | 501 |
| 98 | 0.00 | 0.00 | 0.00 | 136 |
| 99 | 0.18 | 0.07 | 0.10 | 239 |
| | | | | |
| 100 | 0.41 | 0.09 | 0.15 | 324 |
| 101 | 0.57 | 0.19 | 0.28 | 277 |
| 102 | 0.00 | 0.00 | 0.00 | 613 |
| 103 | 0.00 | 0.00 | 0.00 | 157 |
| 104 | 0.19 | 0.13 | 0.15 | 295 |
| | | | | |
| 105 | 0.34 | 0.17 | 0.23 | 334 |
| 106 | 0.00 | 0.00 | 0.00 | 335 |
| 107 | 0.77 | 0.47 | 0.58 | 389 |
| 108 | 0.41 | 0.16 | 0.23 | 251 |
| 109 | 0.00 | 0.00 | 0.00 | 317 |
| | | | | |
| 110 | 0.58 | 0.06 | 0.11 | 187 |
| 111 | 0.11 | 0.01 | 0.03 | 140 |
| 112 | 0.11 | 0.01 | 0.02 | 154 |
| 113 | 0.12 | 0.00 | 0.01 | 332 |
| 114 | 0.34 | 0.22 | 0.27 | 323 |
| 115 | 0.32 | 0.08 | 0.13 | 344 |
| | | | | |
| 116 | 0.42 | 0.35 | 0.38 | 370 |
| 117 | 0.21 | 0.01 | 0.02 | 313 |
| 118 | 0.00 | 0.00 | 0.00 | 874 |
| 119 | 0.38 | 0.18 | 0.25 | 293 |
| 120 | 0.00 | 0.00 | 0.00 | 200 |
| 121 | 0.00 | 0.00 | 0.00 | 463 |
| | | | | |
| 122 | 0.32 | 0.20 | 0.25 | 119 |
| 123 | 0.00 | 0.00 | 0.00 | 256 |
| 124 | 0.00 | 0.00 | 0.00 | 195 |
| 125 | 0.32 | 0.22 | 0.26 | 138 |
| 126 | 0.06 | 0.01 | 0.01 | 376 |
| 127 | 0.20 | 0.07 | 0.11 | 122 |
| | | | | |
| 128 | 0.16 | 0.05 | 0.08 | 252 |
| 129 | 0.00 | 0.00 | 0.00 | 144 |
| 130 | 0.11 | 0.02 | 0.03 | 150 |
| 131 | 0.20 | 0.01 | 0.02 | 210 |
| 132 | 0.25 | 0.16 | 0.19 | 361 |
| 133 | 0.00 | 0.00 | 0.00 | 453 |
| 134 | 0.04 | 0.02 | 0.02 | 124 |
| 135 | 0.00 | 0.00 | 0.00 | 91 |
| 136 | 0.29 | 0.29 | 0.29 | 128 |
| 137 | 0.20 | | | |
| | | 0.14 | 0.16 | 218 |
| 138 | 0.00 | 0.00 | 0.00 | 243 |
| 139 | 0.32 | 0.21 | 0.26 | 149 |
| 140 | 0.32 | 0.08 | 0.13 | 318 |
| 141 | 0.12 | 0.10 | 0.11 | 159 |
| 142 | 0.41 | 0.19 | 0.26 | 274 |
| 143 | 0.00 | 0.00 | 0.00 | 362 |
| 144 | 0.00 | 0.00 | 0.00 | 118 |
| | | | | |
| 145 | 0.10 | 0.01 | 0.01 | 164 |
| 146 | 0.00 | 0.00 | 0.00 | 461 |
| 147 | 0.00 | 0.00 | 0.00 | 159 |
| 148 | 0.31 | 0.11 | 0.16 | 166 |
| 149 | 0.00 | 0.00 | 0.00 | 346 |
| 150 | 0.00 | 0.00 | 0.00 | 350 |
| 151 | 0.17 | 0.04 | 0.06 | 55 |
| | | | | |
| 152 | 0.22 | 0.02 | 0.03 | 387 |
| 153 | 0.00 | 0.00 | 0.00 | 150 |
| 154 | 0.00 | 0.00 | 0.00 | 281 |
| 155 | 0.26 | 0.11 | 0.15 | 202 |
| 156 | 0.00 | 0.00 | 0.00 | 130 |
| 157 | 0.28 | 0.07 | 0.11 | 245 |
| 158 | 0.00 | 0.00 | 0.00 | 177 |
| 159 | 0.28 | 0.04 | 0.07 | 130 |
| | | | | |
| 160 | 0.44 | 0.19 | 0.26 | 336 |
| 161 | 0.29 | 0.11 | 0.16 | 220 |
| 162 | 0.11 | 0.05 | 0.07 | 229 |
| 163 | 0.00 | 0.00 | 0.00 | 316 |
| 164 | 0.51 | 0.10 | 0.17 | 283 |
| 165 | 0.45 | 0.22 | 0.29 | 197 |
| 166 | 0.15 | 0.15 | 0.15 | 101 |
| 167 | 0.21 | 0.26 | 0.23 | 231 |
| 168 | 0.29 | 0.12 | 0.17 | 370 |
| | | | | |
| 169 | 0.36 | 0.23 | 0.28 | 258 |
| 170 | 0.15 | 0.06 | 0.09 | 101 |
| 171 | 0.00 | 0.00 | 0.00 | 89 |
| 172 | 0.43 | 0.38 | 0.40 | 193 |
| 173 | 0.00 | 0.00 | 0.00 | 309 |
| | | | | |

| ±, , , | U • U U | 0.00 | 0.00 | J J J |
|--|--|--|--|---|
| 174 | 0.00 | 0.00 | 0.00 | 172 |
| | | | | |
| 175 | 0.07 | 0.02 | 0.03 | 95 |
| 176 | 0.00 | 0.00 | 0.00 | 346 |
| 177 | 0.00 | 0.00 | 0.00 | 322 |
| | | | | |
| 178 | 0.27 | 0.01 | 0.02 | 232 |
| 179 | 0.00 | 0.00 | 0.00 | 125 |
| 180 | 0.00 | 0.00 | 0.00 | 145 |
| | | | | |
| 181 | 0.00 | 0.00 | 0.00 | 77 |
| 182 | 0.14 | 0.04 | 0.07 | 182 |
| 183 | 0.00 | 0.00 | 0.00 | 257 |
| | | | | |
| 184 | 0.16 | 0.03 | 0.05 | 216 |
| 185 | 0.23 | 0.06 | 0.10 | 242 |
| 186 | 0.27 | 0.15 | 0.19 | 165 |
| | 0.00 | 0.00 | | |
| 187 | | | 0.00 | 263 |
| 188 | 0.27 | 0.12 | 0.17 | 174 |
| 189 | 0.00 | 0.00 | 0.00 | 136 |
| 190 | 0.00 | 0.00 | 0.00 | 202 |
| | | | | |
| 191 | 0.00 | 0.00 | 0.00 | 134 |
| 192 | 0.00 | 0.00 | 0.00 | 230 |
| 193 | 0.28 | 0.14 | 0.19 | 90 |
| | | | | |
| 194 | 0.00 | 0.00 | 0.00 | 185 |
| 195 | 0.10 | 0.04 | 0.06 | 156 |
| 196 | 0.00 | 0.00 | 0.00 | 160 |
| 197 | 0.00 | 0.00 | 0.00 | 266 |
| | | | | |
| 198 | 0.00 | 0.00 | 0.00 | 284 |
| 199 | 0.00 | 0.00 | 0.00 | 145 |
| 200 | 0.00 | 0.00 | 0.00 | 212 |
| | | | | |
| 201 | 0.16 | 0.03 | 0.04 | 317 |
| 202 | 0.00 | 0.00 | 0.00 | 427 |
| 203 | 0.22 | 0.10 | 0.14 | 232 |
| | | | | |
| 204 | 0.34 | 0.25 | 0.29 | 217 |
| 205 | 0.00 | 0.00 | 0.00 | 527 |
| 206 | 0.05 | 0.04 | 0.05 | 124 |
| 207 | 0.00 | 0.00 | 0.00 | |
| | | | | 103 |
| 208 | 0.00 | 0.00 | 0.00 | 287 |
| 209 | 0.14 | 0.09 | 0.11 | 193 |
| 210 | 0.00 | 0.00 | 0.00 | 220 |
| 211 | 0.00 | 0.00 | | 140 |
| | | | 0.00 | |
| 212 | 0.09 | 0.11 | 0.10 | 161 |
| 213 | 0.48 | 0.17 | 0.25 | 72 |
| 214 | 0.40 | 0.01 | 0.01 | 396 |
| | | | | |
| 215 | 0.00 | 0.00 | 0.00 | 134 |
| 216 | 0.00 | 0.00 | 0.00 | 400 |
| 217 | 0.00 | 0.00 | 0.00 | 75 |
| | | | | |
| 218 | 0.00 | 0.00 | 0.00 | 219 |
| 219 | 0.00 | 0.00 | 0.00 | 210 |
| 220 | 0.00 | 0.00 | 0.00 | 298 |
| 221 | 0.00 | 0.00 | 0.00 | 266 |
| | | 0.00 | 0.00 | 200 |
| | | | 0 00 | 000 |
| 222 | 0.00 | 0.00 | 0.00 | 290 |
| 223 | | | 0.00 | 290 128 |
| 223 | 0.00 0.27 | 0.00 0.05 | 0.09 | 128 |
| 223 224 | 0.00 0.27 0.00 | 0.00 0.05 0.00 | 0.09 | 128 159 |
| 223 224 225 | 0.00 0.27 0.00 0.13 | 0.00 0.05 0.00 0.13 | 0.09 0.00 0.13 | 128 159 164 |
| 223 224 | 0.00 0.27 0.00 | 0.00 0.05 0.00 | 0.09 | 128 159 |
| 223 224 225 | 0.00 0.27 0.00 0.13 | 0.00 0.05 0.00 0.13 | 0.09 0.00 0.13 | 128 159 164 |
| 223 224 225 226 227 | 0.00 0.27 0.00 0.13 0.00 | 0.00 0.05 0.00 0.13 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 | 128 159 164 144 276 |
| 223 224 225 226 227 228 | 0.00 0.27 0.00 0.13 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 | 128 159 164 144 276 235 |
| 223 224 225 226 227 228 229 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 | 0.00 0.05 0.00 0.13 0.00 0.00 0.01 | 0.09 0.00 0.13 0.00 0.00 0.01 | 128 159 164 144 276 235 216 |
| 223 224 225 226 227 228 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 0.00 0.31 | 0.00 0.05 0.00 0.13 0.00 0.00 0.01 0.00 0.20 | 0.09 0.00 0.13 0.00 0.00 | 128 159 164 144 276 235 216 228 |
| 223 224 225 226 227 228 229 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 | 0.00 0.05 0.00 0.13 0.00 0.00 0.01 | 0.09 0.00 0.13 0.00 0.00 0.01 | 128 159 164 144 276 235 216 |
| 223 224 225 226 227 228 229 230 231 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 0.00 0.31 | 0.00 0.05 0.00 0.13 0.00 0.00 0.01 0.00 0.20 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 | 128 159 164 144 276 235 216 228 64 |
| 223 224 225 226 227 228 229 230 231 232 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 0.00 0.31 0.00 0.12 | 0.00 0.05 0.00 0.13 0.00 0.00 0.01 0.00 0.20 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 | 128 159 164 144 276 235 216 228 64 |
| 223 224 225 226 227 228 229 230 231 232 233 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 0.00 0.31 0.00 0.12 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 | 128 159 164 144 276 235 216 228 64 103 216 |
| 223 224 225 226 227 228 229 230 231 232 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 0.00 0.31 0.00 0.12 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 | 128 159 164 144 276 235 216 228 64 |
| 223 224 225 226 227 228 229 230 231 232 233 234 | 0.00 0.27 0.00 0.13 0.00 0.00 0.04 0.00 0.31 0.00 0.12 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.00 0.05 0.00 0.00 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.05 0.00 0.00 0.00 0.00 0.01 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.05 0.00 0.00 0.00 0.00 0.00 0.01 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.05 0.00 0.00 0.00 0.00 0.01 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 112 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.20 0.00 0.09 0.00 0.00 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 0.00 0.00 0.00 0.00 0.05 0.00 0.00 0.00 0.00 0.00 0.01 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.17 0.00 0.17 0.00 0.17 0.00 0.17 0.00 0.16 0.00 0.17 0.00 0.16 0.00 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.01 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 112 255 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.17 0.00 0.17 0.00 0.16 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.01 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 112 255 58 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.01 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 112 255 58 81 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.17 0.00 0.17 0.00 0.16 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.01 0.00 0.00 | 0.09 0.00 0.13 0.00 0.01 0.00 0.24 0.00 0.10 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 112 255 58 |
| 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 | 0.00 0.27 0.00 0.13 0.00 0.04 0.00 0.31 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.05 0.00 0.13 0.00 0.01 0.00 0.01 0.00 0.00 | 0.09 0.00 0.13 0.00 0.00 0.01 0.00 0.24 0.00 0.10 0.00 | 128 159 164 144 276 235 216 228 64 103 216 116 77 67 218 139 94 77 167 86 58 269 112 255 58 81 |

| 200 | V • ± ± | U.UJ | 0.00 | ر ر |
|-----|---------|------|--------------|-----------|
| 251 | 0.00 | 0.00 | 0.00 | 154 |
| 252 | 0.09 | 0.02 | 0.04 | 129 |
| 253 | 0.00 | 0.00 | 0.00 | 83 |
| 254 | 0.18 | 0.08 | 0.11 | 191 |
| 255 | 0.12 | 0.04 | 0.06 | 219 |
| 256 | 0.08 | 0.02 | 0.03 | 130 |
| 257 | 0.36 | 0.29 | 0.32 | 93 |
| | | | | 217 |
| 258 | 0.00 | 0.00 | 0.00 | |
| 259 | 0.15 | 0.06 | 0.09 | 141 |
| 260 | 0.00 | 0.00 | 0.00 | 143 |
| 261 | 0.00 | 0.00 | 0.00 | 219 |
| 262 | 0.11 | 0.02 | 0.03 | 107 |
| 263 | 0.00 | 0.00 | 0.00 | 236 |
| 264 | 0.16 | 0.12 | 0.13 | 119 |
| 265 | 0.00 | 0.00 | 0.00 | 72 |
| 266 | 0.25 | 0.09 | 0.13 | 70 |
| 267 | 0.00 | 0.00 | 0.00 | 107 |
| 268 | 0.00 | 0.00 | 0.00 | 169 |
| 269 | 0.22 | 0.16 | 0.19 | 129 |
| 270 | 0.00 | 0.00 | 0.00 | 159 |
| 271 | 0.00 | 0.00 | 0.00 | 190 |
| 272 | 0.00 | 0.00 | 0.00 | 248 |
| 272 | 0.00 | | | |
| | | 0.00 | 0.00 | 264 |
| 274 | 0.00 | 0.00 | 0.00 | 105 |
| 275 | 0.00 | 0.00 | 0.00 | 104 |
| 276 | 0.00 | 0.00 | 0.00 | 115 |
| 277 | 0.00 | 0.00 | 0.00 | 170 |
| 278 | 0.00 | 0.00 | 0.00 | 145 |
| 279 | 0.00 | 0.00 | 0.00 | 230 |
| 280 | 0.00 | 0.00 | 0.00 | 80 |
| 281 | 0.00 | 0.00 | 0.00 | 217 |
| 282 | 0.00 | 0.00 | 0.00 | 175 |
| 283 | 0.46 | 0.04 | 0.08 | 269 |
| 284 | 0.00 | 0.00 | 0.00 | 74 |
| 285 | 0.00 | 0.00 | 0.00 | 206 |
| 286 | 0.00 | 0.00 | 0.00 | 227 |
| 287 | 0.00 | 0.00 | 0.00 | 130 |
| 288 | 0.27 | 0.08 | 0.12 | 129 |
| 289 | 0.20 | 0.01 | 0.02 | 80 |
| 290 | 0.17 | 0.14 | 0.15 | 99 |
| 291 | 0.00 | 0.00 | 0.00 | 208 |
| 292 | 0.20 | 0.16 | 0.18 | 67 |
| 293 | 0.00 | 0.00 | 0.00 | 109 |
| 294 | 0.26 | 0.32 | 0.29 | 140 |
| 295 | 0.17 | 0.17 | 0.17 | 241 |
| | | | | |
| 296 | 0.16 | 0.21 | 0.18 0.15 | 72 107 |
| 297 | 0.26 | 0.10 | | 107 |
| 298 | 0.00 | 0.00 | 0.00 | 61 |
| 299 | 0.41 | 0.17 | 0.24 | 77 |
| 300 | 0.10 | 0.07 | 0.09 | 111 |
| 301 | 0.04 | 0.02 | 0.02 | 126 |
| 302 | 0.00 | 0.00 | 0.00 | 73 |
| 303 | 0.10 | 0.02 | 0.03 | 176 |
| 304 | 0.00 | 0.00 | 0.00 | 230 |
| 305 | 0.00 | 0.00 | 0.00 | 156 |
| 306 | 0.46 | 0.39 | 0.42 | 146 |
| 307 | 0.16 | 0.06 | 0.09 | 98 |
| 308 | 0.15 | 0.04 | 0.06 | 78 |
| 309 | 0.00 | 0.00 | 0.00 | 94 |
| 310 | 0.52 | 0.31 | 0.39 | 162 |
| 311 | 0.00 | 0.00 | 0.00 | 116 |
| 312 | 0.00 | 0.00 | 0.00 | 57 |
| 313 | 0.00 | 0.00 | 0.00 | 65 |
| 314 | 0.00 | 0.00 | 0.00 | 138 |
| 315 | 0.00 | 0.00 | 0.00 | 195 |
| 316 | 0.01 | 0.01 | 0.01 | 69 |
| 317 | 0.00 | 0.00 | 0.00 | 134 |
| 318 | 0.25 | 0.14 | 0.17 | 148 |
| 319 | 0.11 | 0.02 | 0.04 | 161 |
| 320 | 0.13 | 0.18 | 0.15 | 104 |
| 321 | 0.00 | 0.00 | 0.00 | 156 |
| 322 | 0.00 | 0.00 | 0.00 | 134 |
| 323 | 0.29 | 0.09 | 0.13 | 232 |
| 324 | 0.27 | 0.14 | 0.19 | 92 |
| 325 | 0.33 | 0.09 | 0.14 | 197 |
| 326 | 0.00 | 0.00 | 0.00 | 126 |
| 320 | 0.00 | 0.00 | 0.00 | 115 |
| | | | | |

| J _ I | 0.00 | 0.00 | 0.00 | T T 7 |
|---|--|---|--|---|
| 328 | 0.00 | 0.00 | 0.00 | 198 |
| 329 | 0.00 | 0.00 | 0.00 | 125 |
| | | | | |
| 330 | 0.00 | 0.00 | 0.00 | 81 |
| 331 | 0.08 | 0.01 | 0.02 | 94 |
| 332 | 0.00 | 0.00 | 0.00 | 56 |
| 333 | 0.06 | 0.01 | 0.02 | 260 |
| 334 | 0.00 | 0.00 | 0.00 | 60 |
| | | | | |
| 335 | 0.20 | 0.12 | 0.15 | 110 |
| 336 | 0.00 | 0.00 | 0.00 | 71 |
| 337 | 0.00 | 0.00 | 0.00 | 66 |
| 338 | 0.00 | 0.00 | 0.00 | 150 |
| 339 | 0.00 | 0.00 | 0.00 | 54 |
| | | | | |
| 340 | 0.00 | 0.00 | 0.00 | 195 |
| 341 | 0.00 | 0.00 | 0.00 | 79 |
| 342 | 0.33 | 0.34 | 0.33 | 38 |
| 343 | 0.16 | 0.09 | 0.12 | 43 |
| 344 | 0.00 | 0.00 | 0.00 | 68 |
| 345 | 0.00 | 0.00 | 0.00 | 73 |
| | | | | |
| 346 | 0.12 | 0.03 | 0.05 | 116 |
| 347 | 0.00 | 0.00 | 0.00 | 111 |
| 348 | 0.13 | 0.06 | 0.09 | 63 |
| 349 | 0.00 | 0.00 | 0.00 | 104 |
| 350 | 0.15 | 0.07 | 0.09 | 44 |
| 351 | | | | |
| | 0.00 | 0.00 | 0.00 | 40 |
| 352 | 0.00 | 0.00 | 0.00 | 136 |
| 353 | 0.00 | 0.00 | 0.00 | 54 |
| 354 | 0.00 | 0.00 | 0.00 | 134 |
| 355 | 0.00 | 0.00 | 0.00 | 120 |
| 356 | 0.22 | 0.11 | 0.14 | 228 |
| | | | | |
| 357 | 0.00 | 0.00 | 0.00 | 269 |
| 358 | 0.00 | 0.00 | 0.00 | 80 |
| 359 | 0.00 | 0.00 | 0.00 | 140 |
| 360 | 0.25 | 0.06 | 0.10 | 125 |
| 361 | 0.00 | 0.00 | 0.00 | 169 |
| 362 | 0.00 | 0.00 | 0.00 | 56 |
| 363 | 0.00 | 0.00 | 0.00 | 154 |
| 364 | 0.00 | 0.00 | 0.00 | 58 |
| 365 | 0.13 | 0.13 | 0.13 | 71 |
| 366 | 0.00 | 0.00 | 0.00 | 54 |
| | | | | |
| 367 | 0.00 | 0.00 | 0.00 | 116 |
| 368 | 0.00 | 0.00 | 0.00 | 54 |
| 369 | 0.00 | 0.00 | 0.00 | 71 |
| 370 | 0.00 | 0.00 | 0.00 | 61 |
| 371 | 0.10 | 0.01 | 0.02 | 71 |
| 372 | 0.00 | 0.00 | 0.00 | 52 |
| 373 | 0.00 | 0.00 | 0.00 | 150 |
| 374 | 0.00 | 0.00 | 0.00 | 93 |
| | | | | |
| 375 | 0.00 | 0.00 | 0.00 | 67 |
| 376 | 0.00 | 0.00 | 0.00 | 76 |
| 377 | 0.75 | 0.03 | 0.05 | 106 |
| 378 | 0.50 | 0.01 | 0.02 | 86 |
| 379 | 0.12 | 0.07 | 0.09 | 14 |
| 380 | 0.00 | 0.00 | 0.00 | 122 |
| 381 | 0.09 | 0.03 | 0.04 | 104 |
| 382 | 0.00 | 0.00 | 0.00 | 66 |
| 383 | | | 0.00 | 110 |
| | 0.00 | 0.00 | | |
| 384 | 0.00 | 0.00 | 0.00 | 155 |
| 385 | 0.08 | 0.02 | 0.03 | 50 |
| 386 | 0.00 | 0.00 | 0.00 | 64 |
| 387 | 0.00 | 0.00 | 0.00 | 93 |
| 388 | 0.00 | 0.00 | 0.00 | 102 |
| 389 | | 0.01 | 0.02 | 108 |
| 390 | 0.23 | | | |
| | 0.25 | | | |
| 3 9 1 | 0.00 | 0.00 | 0.00 | 178 |
| 391 | 0.00 | 0.00 | 0.00 | 178 115 |
| 392 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 178 115 42 |
| 392 393 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 178 115 42 134 |
| 392 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 178 115 42 134 112 |
| 392 393 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 178 115 42 134 |
| 392 393 394 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 178 115 42 134 112 |
| 392 393 394 395 396 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 178 115 42 134 112 176 125 |
| 392 393 394 395 396 397 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 178 115 42 134 112 176 125 224 |
| 392 393 394 395 396 397 398 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 178 115 42 134 112 176 125 224 63 |
| 392 393 394 395 396 397 398 399 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 178 115 42 134 112 176 125 224 63 59 |
| 392 393 394 395 396 397 398 399 400 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 178 115 42 134 112 176 125 224 63 59 63 |
| 392 393 394 395 396 397 398 399 400 401 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 178 115 42 134 112 176 125 224 63 59 63 98 |
| 392 393 394 395 396 397 398 399 400 401 402 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 178 115 42 134 112 176 125 224 63 59 63 98 162 |
| 392 393 394 395 396 397 398 399 400 401 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 178 115 42 134 112 176 125 224 63 59 63 98 |

| 404 | 0.00 | 0.00 | 0.00 | エラ |
|------------|------|--------------|------|-----------|
| 405 | 0.11 | 0.07 | 0.08 | 92 |
| 406 | 0.00 | 0.00 | 0.00 | 41 |
| 407 | 0.00 | 0.00 | 0.00 | 43 |
| 408 | 0.00 | 0.00 | 0.00 | 160 |
| 409 | 0.00 | 0.00 | 0.00 | 50 |
| 410 | 0.00 | 0.00 | 0.00 | 19 |
| 411 | 0.33 | 0.12 | 0.18 | 175 |
| 412 | 0.11 | 0.01 | 0.02 | 72 |
| 413 | 0.00 | 0.00 | 0.00 | 95 |
| 414 | 0.10 | 0.07 | 0.08 | 97 |
| 415 | 0.23 | 0.10 | 0.14 | 48 |
| 416 | 0.00 | 0.00 | 0.00 | 83 |
| 417 | 0.00 | 0.00 | 0.00 | 40 |
| 418 | 0.16 | 0.07 | 0.09 | 91 |
| 419 | 0.00 | 0.00 | 0.00 | 90 |
| 420 | 0.00 | 0.00 | 0.00 | 37 |
| 421 | 0.00 | 0.00 | 0.00 | 66 |
| 422 | 0.14 | 0.12 | 0.13 | 73 |
| 423 | 0.00 | 0.00 | 0.00 | 56 |
| 424 | 0.00 | 0.00 | 0.00 | 33 |
| 425 | 0.00 | 0.00 | 0.00 | 76 |
| 426 | 0.00 | 0.00 | 0.00 | 81 |
| 427 | 0.00 | 0.00 | 0.00 | 150 |
| 428 | 0.00 | 0.00 | 0.00 | 29 |
| 429 | 0.00 | 0.00 | 0.00 | 389 |
| 430 | 0.00 | 0.00 | 0.00 | 167 |
| 431 | 0.00 | 0.00 | 0.00 | 123 |
| 432 | 0.00 | 0.00 | 0.00 | 39 |
| 433 | 0.00 | 0.00 | 0.00 | 82 |
| 434 | 0.00 | 0.00 | 0.00 | 66 |
| 435 | 0.00 | 0.00 | 0.00 | 93 |
| 436 | 0.00 | 0.00 | 0.00 | 87 |
| 437 438 | 0.00 | 0.00 | 0.00 | 86 104 |
| 430 | 0.00 | 0.00 | 0.00 | 104 |
| 440 | 0.00 | 0.00 | 0.00 | 141 |
| 441 | 0.00 | 0.00 | 0.00 | 110 |
| 442 | 0.00 | 0.00 | 0.00 | 123 |
| 443 | 0.00 | 0.00 | 0.00 | 71 |
| 444 | 0.00 | 0.00 | 0.00 | 109 |
| 445 | 0.19 | 0.10 | 0.13 | 48 |
| 446 | 0.00 | 0.00 | 0.00 | 76 |
| 447 | 0.00 | 0.00 | 0.00 | 38 |
| 448 | 0.00 | 0.00 | 0.00 | 81 |
| 449 | 0.29 | 0.03 | 0.05 | 132 |
| 450 | 0.00 | 0.00 | 0.00 | 81 |
| 451 | 0.00 | 0.00 | 0.00 | 76 |
| 452 | 0.00 | 0.00 | 0.00 | 44 |
| 453 | 0.00 | 0.00 | 0.00 | 44 |
| 454 | 0.00 | 0.00 | 0.00 | 70 |
| 455 | 0.00 | 0.00 | 0.00 | 155 |
| 456 | 0.00 | 0.00 | 0.00 | 43 |
| 457 | 0.00 | 0.00 | 0.00 | 72 |
| 458 | 0.12 | 0.13 | 0.13 | 62 |
| 459 | 0.00 | 0.00 | 0.00 | 69 |
| 460 | 0.13 | 0.03 | 0.05 | 119 79 |
| 461 462 | 0.00 | 0.00 0.02 | 0.00 | 47 |
| 463 | 0.09 | 0.02 | 0.03 | 104 |
| 464 | 0.00 | 0.02 | 0.00 | 104 |
| 465 | 0.50 | 0.06 | 0.11 | 64 |
| 466 | 0.00 | 0.00 | 0.00 | 173 |
| 467 | 0.00 | 0.00 | 0.00 | 107 |
| 468 | 0.00 | 0.00 | 0.00 | 126 |
| 469 | 0.00 | 0.00 | 0.00 | 114 |
| 470 | 0.00 | 0.00 | 0.00 | 140 |
| 471 | 0.00 | 0.00 | 0.00 | 79 |
| 472 | 0.00 | 0.00 | 0.00 | 143 |
| 473 | 0.00 | 0.00 | 0.00 | 158 |
| 474 | 0.00 | 0.00 | 0.00 | 138 |
| 475 | 0.11 | 0.05 | 0.07 | 59 |
| 476 | 0.00 | 0.00 | 0.00 | 88 |
| 477 | 0.00 | 0.00 | 0.00 | 176 |
| 478 | 0.00 | 0.00 | 0.00 | 24 |
| 479 | 0.00 | 0.00 | 0.00 | 92 |
| 480 | 0.00 | 0.00 | 0.00 | 100 |
| | | | | • |

```
U.U∠
       481
                      U.U1
               U.IU
                                        TU3
       482
               0.23
                       0.30
                               0.26
                                         74
                              0.00
       483
               0.00
                       0.00
                                         105
                              0.02
       484
               0.05
                      0.01
                                         8.3
       485
               0.06
                      0.02
                              0.03
                                         82
       486
              0.20
                      0.01
                              0.03
                                         71
                      0.00
                              0.00
       487
               0.00
                                         120
                       0.00
                               0.00
       488
               0.00
                                         105
                               0.00
       489
               0.00
                       0.00
                                         87
       490
               0.10
                      0.03
                              0.05
                                         32
       491
               0.00
                      0.00
                              0.00
                                         69
                              0.00
       492
               0.00
                      0.00
                                         49
                              0.00
       493
               0.00
                       0.00
                                         117
       494
               0.00
                       0.00
                                         61
                              0.00
               0.00
                      0.00
                                         344
       495
       496
              0.09
                      0.04
                              0.05
                              0.00
                      0.00
       497
               0.00
                                        137
       498
               0.00
                       0.00
                              0.00
                                         98
       499
               0.00
                       0.00
                               0.00
                                         79
  micro ava
               0.55
                      0.20
                               0.29
                                     173812
  macro avq
              0.14
                      0.07
                              0.09 173812
                              0.25
               0.40
                      0.20
                                      173812
weighted avg
               0.27
                      0.19
                               0.20
                                      173812
samples avo
```

Time taken to run this cell: 0:04:01.428184

```
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1143: UndefinedMetricWarning: Precision is ill-defined
and being set to 0.0 in labels with no predicted samples.
  'precision', 'predicted', average, warn for)
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1143: UndefinedMetricWarning: F-score is ill-defined an
d being set to 0.0 in labels with no predicted samples.
  'precision', 'predicted', average, warn for)
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1143: UndefinedMetricWarning: Precision and F-score are
ill-defined and being set to 0.0 in labels with no predicted samples.
  'precision', 'predicted', average, warn for)
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1143: UndefinedMetricWarning: Precision and F-score are
ill-defined and being set to 0.0 in labels with no predicted samples.
  'precision', 'predicted', average, warn for)
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1143: UndefinedMetricWarning: Precision and F-score are
ill-defined and being set to 0.0 in labels with no predicted samples.
  'precision', 'predicted', average, warn_for)
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1143: UndefinedMetricWarning: Precision and F-score are
ill-defined and being set to 0.0 in samples with no predicted labels.
  'precision', 'predicted', average, warn_for)
C:\Users\mchetankumar\AppData\Local\Continuum\anaconda3\lib\site-
packages\sklearn\metrics\classification.py:1145: UndefinedMetricWarning: Recall and F-score are il
1-defined and being set to 0.0 in samples with no true labels.
  'recall', 'true', average, warn for)
```

In [1]:

```
from prettytable import PrettyTable

x = PrettyTable()

x.field_names = ["Classifier", "Title Vectorizer", "Datapoints", "Tags", "Title Weightage", "Hyperp arameter", "Micro F1 Score"]
 x.add_row(["SGDClassifier(log)", "Tfidf", "1000000", "5500", "1x", "alpha=0.00001", "0.374270748817"])
 x.add_row(["SGDClassifier(log)", "Tfidf", "500000", "500", "3x", "alpha=0.00001", "0.4488"])
 x.add_row(["LogisticRegression", "Tfidf", "500000", "500", "3x", "c=1.0", "0.4858"])
 x.add_row(["SGDClassifier(hinge)", "BoW", "500000", "500", "3x", "alpha=0.00001", "0.2467"])
 x.add_row(["SGDClassifier(log)", "BoW", "500000", "500", "3x", "alpha=0.00001", "0.2936"])
 print(x)
```

```
+-----+
| Classifier | Title Vectorizer | Datapoints | Tags | Title Weightage | Hyperparameter |
Micro Fl Score |
```

| | -+ | | -+- | | -+- | | + | | + | | +- |
|------------------------------------|----|-------|-----|---------|-----|------|---|----|---|--------------|----|
| + | | | | | | | | | | | |
| SGDClassifier(log) 374270748817 | I | Tfidf | I | 1000000 | | 5500 | | 1x | a | lpha=0.00001 | I |
| SGDClassifier(log) .4488 | I | Tfidf | I | 500000 | | 500 | | 3x | a | lpha=0.00001 | I |
| LogisticRegression .4858 | I | Tfidf | I | 500000 | | 500 | | 3x | 1 | c=1.0 | I |
| SGDClassifier(hinge) .2467 | I | BOW | I | 500000 | | 500 | | 3x | a | lpha=0.00001 | I |
| SGDClassifier(log) .2936 | I | BOW | I | 500000 | | 500 | | 3x | a | lpha=0.00001 | I |
| | | | | | | | | | | | |

5. Assignments

- 1. Use bag of words upto 4 grams and compute the micro f1 score with Logistic regression(OvR)
- 2. Perform hyperparam tuning on alpha (or lambda) for Logistic regression to improve the performance using GridSearch
- 3. Try OneVsRestClassifier with Linear-SVM (SGDClassifier with loss-hinge)