IE 7300: Statistical Learning for Engineering

###

HW 9

Youyu Zhang

zhang.youy@northeastern.edu

(530)574-2826

Code available on: https://github.com/kuohu233/IE_7300

Submitted by 11/22/2022

In [1]:
```
## imports
import numpy as np
import pandas as pd
from scipy import stats
import matplotlib.pyplot as plt
import seaborn as sns
from typing import Dict, Any
from abc import ABC,abstractmethod
from sklearn.preprocessing import StandardScaler
```

Part 1

K mean with an optimum number of clusters (k)

In [2]:
```
df = pd.read_excel('EastWestAirlines.xlsx', sheet_name='data')
df.head()
```

Out[2]:

	ID#	Balance	Qual_miles	cc1_miles	cc2_miles	cc3_miles	Bonus_miles	Bonus_trans	Flight_miles_12mo	Flight
0	1	28143	0	1	1	1	174	1	0	
1	2	19244	0	1	1	1	215	2	0	
2	3	41354	0	1	1	1	4123	4	0	
3	4	14776	0	1	1	1	500	1	0	
4	5	97752	0	4	1	1	43300	26	2077	

In [3]:
```
df.columns
```

Out[3]:
```
Index(['ID#', 'Balance', 'Qual_miles', 'cc1_miles', 'cc2_miles', 'cc3_miles',
       'Bonus_miles', 'Bonus_trans', 'Flight_miles_12mo', 'Flight_trans_12',
       'Days_since_enroll', 'Award?'],
      dtype='object')
```

In [4]:
```
df.isnull().sum()
```

Out[4]:
```
ID#                  0
Balance              0
Qual_miles           0
cc1_miles            0
cc2_miles            0
cc3_miles            0
Bonus_miles          0
Bonus_trans          0
Flight_miles_12mo    0
Flight_trans_12      0
Days_since_enroll    0
Award?               0
dtype: int64
```

In [5]:
```
y = df['Award?']
x = np.array(df.drop(['Award?'],axis=1))
```

In [8]:
```
def init_centroids(k, X):
    arr = []
    for i in range(k):
        cx1 = np.random.uniform(min(X[:,0]), max(X[:,0]))
        cx2 = np.random.uniform(min(X[:,1]), max(X[:,1]))
        arr.append([cx1, cx2])
    return np.asarray(arr)

def init_centroids2(k, X):
    arr = []
    for i in range(k):
        cx_list = []
        for j in range(X.shape[1]):
            cx = np.random.uniform(min(X[:,j]), max(X[:,j]))
            cx_list.append(cx)
        arr.append(cx_list)
    return np.asarray(arr)

def dist(a, b):
    return np.sqrt(sum(np.square(a-b)))

def assign_cluster(k, X, cg):
    cluster = [-1]*len(X)
    for i in range(len(X)):
        dist_arr = []
        for j in range(k):
            dist_arr.append(dist(X[i], cg[j]))
        idx = np.argmin(dist_arr)
        cluster[i] = idx
    return np.asarray(cluster)

def show_clusters(X,y, cluster, cg):
    df1 = pd.DataFrame(dict(y=y, label=cluster))
    df2 = pd.DataFrame(X)
    df = pd.concat([df1,df2], axis=1)
    # df = pd.DataFrame(dict(x=X[:,0], y=X[:,1], label=cluster))
    colors = {0:'blue', 1:'orange', 2:'green'}
    fig, ax = plt.subplots(figsize=(8, 8))
    grouped = df.groupby('label')
    for key, group in grouped:
        group.plot(ax=ax, kind='scatter', x='x', y='y', label=key, color=colors[key])
    ax.scatter(cg[:, 0], cg[:, 1], marker='*', s=150, c='#ff2222')
    plt.xlabel('X_1')
    plt.ylabel('X_2')
    plt.show()

def compute_centroids(k, X, cluster):
    cg_arr = []
    for i in range(k):
        arr = []
        for j in range(len(X)):
            if i not in np.unique(cluster):
                pass
            if cluster[j]==i:
                arr.append(X[j])
        cg_arr.append(np.mean(arr, axis=0))
    return np.asarray(cg_arr)

def measure_change(cg_prev, cg_new):
    res = 0
    for a,b in zip(cg_prev,cg_new):
```

```python
            res+=dist(a,b)
    return res

def k_means(k, X, threshold, itermax):
    cg_prev = init_centroids2(k, X)
    cluster = [0]*len(X)
    cg_change = 100
    iter = 0
    while cg_change>=threshold and iter <= itermax:
        # print(f"Iteration {iter} with cg_change={cg_change}")
        cluster = assign_cluster(k, X, cg_prev)
        # show_clusters(X, cluster, cg_prev)
        cg_new = compute_centroids(k, X, cluster)
        cg_change = measure_change(cg_new, cg_prev)
        cg_prev = cg_new
        iter += 1
    print(f"Iteration {iter} with cg_change={cg_change}")
    # show_clusters(X, cluster, cg_prev)
    return cluster, cg_prev
```

In [9]:
```python
group = []
centroids = []
k_range = range(2,15)
for i in k_range:
    print(f"k = {i}")
    cluster, cg_prev = k_means(k=i, X=x,
            threshold=0.1, itermax=100)
    group.append(cluster)
    centroids.append(cg_prev)
```

```
k = 2
Iteration 23 with cg_change=0.0
k = 3
Iteration 23 with cg_change=0.0
k = 4
Iteration 50 with cg_change=0.0
k = 5
Iteration 24 with cg_change=0.0
k = 6
Iteration 59 with cg_change=0.0
k = 7
c:\Users\youyu\AppData\Local\Programs\Python\Python38\lib\site-packages\numpy\core\fromn
umeric.py:3440: RuntimeWarning: Mean of empty slice.
  return _methods._mean(a, axis=axis, dtype=dtype,
c:\Users\youyu\AppData\Local\Programs\Python\Python38\lib\site-packages\numpy\core\_meth
ods.py:189: RuntimeWarning: invalid value encountered in double_scalars
  ret = ret.dtype.type(ret / rcount)
C:\Users\youyu\AppData\Local\Temp/ipykernel_22884/119970047.py:57: VisibleDeprecationWar
ning: Creating an ndarray from ragged nested sequences (which is a list-or-tuple of list
s-or-tuples-or ndarrays with different lengths or shapes) is deprecated. If you meant to
do this, you must specify 'dtype=object' when creating the ndarray.
  return np.asarray(cg_arr)
Iteration 1 with cg_change=nan
k = 8
Iteration 1 with cg_change=nan
k = 9
Iteration 1 with cg_change=nan
k = 10
Iteration 1 with cg_change=nan
k = 11
Iteration 1 with cg_change=nan
k = 12
Iteration 1 with cg_change=nan
k = 13
Iteration 1 with cg_change=nan
```

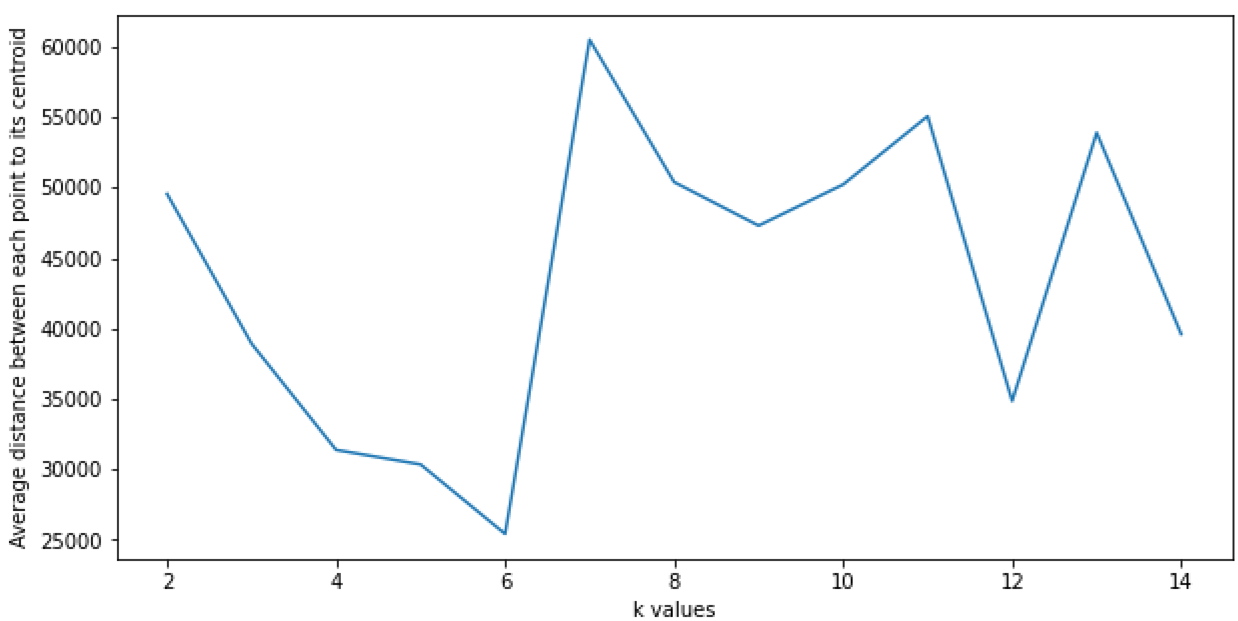
```
k = 14
Iteration 1 with cg_change=nan
```

In [10]:
```
dist_k = []
for j in range(len(group)):
    # Calculate distance between each point and its centroid
    dist_list = []
    for i in range(len(x)):
        group_ind = group[j][i]
        cent = centroids[j][group_ind]
        distance = dist(x[i], cent)
        dist_list.append(distance)
    dist_mean = np.mean(dist_list)
    dist_k.append(dist_mean)
```

In [15]:
```
centroids[4]
```

Out[15]:
```
array([[1.16943590e+03, 3.63319265e+05, 4.49094017e+02, 3.18803419e+00,
        1.02564103e+00, 1.00000000e+00, 4.99647436e+04, 2.01111111e+01,
        1.58948718e+03, 4.73504274e+00, 5.66887179e+03],
       [1.88453484e+03, 8.28577991e+04, 1.47406335e+02, 2.68054299e+00,
        1.00904977e+00, 1.02171946e+00, 2.51761792e+04, 1.48361991e+01,
        5.80251584e+02, 1.72760181e+00, 4.38890498e+03],
       [1.55797699e+03, 1.76979146e+05, 2.68813808e+02, 3.07531381e+00,
        1.00836820e+00, 1.02928870e+00, 3.47681506e+04, 1.73284519e+01,
        8.97516736e+02, 2.43723849e+00, 4.96983054e+03],
       [2.23271598e+03, 2.31838785e+04, 9.64610304e+01, 1.46895641e+00,
        1.01805372e+00, 1.00352268e+00, 7.35145883e+03, 8.25451343e+00,
        2.35384852e+02, 7.40202554e-01, 3.69813298e+03],
       [9.07000000e+02, 7.20621217e+05, 2.47391304e+02, 3.47826087e+00,
        1.00000000e+00, 1.13043478e+00, 6.02981739e+04, 2.16086957e+01,
        1.53347826e+03, 5.52173913e+00, 6.25973913e+03],
       [3.91200000e+02, 1.28891580e+06, 1.52800000e+03, 3.00000000e+00,
        1.00000000e+00, 1.00000000e+00, 3.90980000e+04, 2.46000000e+01,
        2.75460000e+03, 1.14000000e+01, 7.82160000e+03]])
```

In [12]:
```
plt.figure(figsize=(10,5))
plt.plot(k_range,dist_k)
plt.xlabel('k values')
plt.ylabel('Average distance between each point to its centroid')
plt.show()
```



From the figure above we can see that k=5 and k=6 has significant lower average distance between each point to its centroids. And thus k=6 can be a better solution.

Part 2

Hierarchy cluster with Dendrogram

In [52]:
```
import math
def get_distance_measure(M):
    if M == 0:
        return single_link
    elif M == 1:
        return complete_link
    else:
        return average_link

def distance(p, q):
    return math.sqrt(sum([(pi - qi)**2 for pi, qi in zip(p, q)]))

def single_link(ci, cj):
    return min([distance(vi, vj) for vi in ci for vj in cj])


def complete_link(ci, cj):
    return max([distance(vi, vj) for vi in ci for vj in cj])


def average_link(ci, cj):
    distances = [distance(vi, vj) for vi in ci for vj in cj]
    return sum(distances) / len(distances)


class AgglomerativeHierarchicalClustering:
    def __init__(self, data, K, M):
        self.data = data
        self.N = len(data)
        self.K = K
        self.measure = get_distance_measure(M)
        self.clusters = self.init_clusters()

    # Replace self.measure into distance function
    # def measure(self, a, b):
    #     return np.sqrt(sum(np.square(np.array(a)-np.array(b))))

    def init_clusters(self):
        return {data_id: [data_point] for data_id, data_point in enumerate(self.data)}

    def find_closest_clusters(self):
        min_dist = math.inf
        closest_clusters = None

        clusters_ids = list(self.clusters.keys())

        for i, cluster_i in enumerate(clusters_ids[:-1]):
            for j, cluster_j in enumerate(clusters_ids[i+1:]):
                dist = self.measure(self.clusters[cluster_i], self.clusters[cluster_j])
                if dist < min_dist:
                    min_dist, closest_clusters = dist, (cluster_i, cluster_j)
                # distt = self.measure(self.clusters[cluster_i], self.clusters[cluster_j
                # dist = np.sqrt(np.dot(distt,distt))
                # if dist < min_dist:
                #     min_dist, closest_clusters = dist, (cluster_i, cluster_j)
        return closest_clusters

    def merge_and_form_new_clusters(self, ci_id, cj_id):
        new_clusters = {0: self.clusters[ci_id] + self.clusters[cj_id]}
```

```python
        for cluster_id in self.clusters.keys():
            if (cluster_id == ci_id) | (cluster_id == cj_id):
                continue
            new_clusters[len(new_clusters.keys())] = self.clusters[cluster_id]
        return new_clusters

    def run_algorithm(self):
        while len(self.clusters.keys()) > self.K:
            closest_clusters = self.find_closest_clusters()
            self.clusters = self.merge_and_form_new_clusters(*closest_clusters)
            print(f'Length of self.cluster.keys: {len(self.clusters.keys())}')

    def print(self):
        for id, points in self.clusters.items():
            print("Cluster: {}".format(id))
            for point in points:
                print("    {}".format(point))
```

In [77]:
```python
# As full dataset training will exceed 20 hours, a subset sample is used to show the den
# M=2 for average_link
agg_hierarchical_clustering = AgglomerativeHierarchicalClustering(x[0:400,:], 6, 2)
```

In [78]:
```python
agg_hierarchical_clustering.run_algorithm()
```

```
Length of self.cluster.keys: 399
Length of self.cluster.keys: 398
Length of self.cluster.keys: 397
Length of self.cluster.keys: 396
Length of self.cluster.keys: 395
Length of self.cluster.keys: 394
Length of self.cluster.keys: 393
Length of self.cluster.keys: 392
Length of self.cluster.keys: 391
Length of self.cluster.keys: 390
Length of self.cluster.keys: 389
Length of self.cluster.keys: 388
Length of self.cluster.keys: 387
Length of self.cluster.keys: 386
Length of self.cluster.keys: 385
Length of self.cluster.keys: 384
Length of self.cluster.keys: 383
Length of self.cluster.keys: 382
Length of self.cluster.keys: 381
Length of self.cluster.keys: 380
Length of self.cluster.keys: 379
Length of self.cluster.keys: 378
Length of self.cluster.keys: 377
Length of self.cluster.keys: 376
Length of self.cluster.keys: 375
Length of self.cluster.keys: 374
Length of self.cluster.keys: 373
Length of self.cluster.keys: 372
Length of self.cluster.keys: 371
Length of self.cluster.keys: 370
Length of self.cluster.keys: 369
Length of self.cluster.keys: 368
Length of self.cluster.keys: 367
Length of self.cluster.keys: 366
Length of self.cluster.keys: 365
Length of self.cluster.keys: 364
Length of self.cluster.keys: 363
Length of self.cluster.keys: 362
Length of self.cluster.keys: 361
Length of self.cluster.keys: 360
Length of self.cluster.keys: 359
```

```
Length of self.cluster.keys: 358
Length of self.cluster.keys: 357
Length of self.cluster.keys: 356
Length of self.cluster.keys: 355
Length of self.cluster.keys: 354
Length of self.cluster.keys: 353
Length of self.cluster.keys: 352
Length of self.cluster.keys: 351
Length of self.cluster.keys: 350
Length of self.cluster.keys: 349
Length of self.cluster.keys: 348
Length of self.cluster.keys: 347
Length of self.cluster.keys: 346
Length of self.cluster.keys: 345
Length of self.cluster.keys: 344
Length of self.cluster.keys: 343
Length of self.cluster.keys: 342
Length of self.cluster.keys: 341
Length of self.cluster.keys: 340
Length of self.cluster.keys: 339
Length of self.cluster.keys: 338
Length of self.cluster.keys: 337
Length of self.cluster.keys: 336
Length of self.cluster.keys: 335
Length of self.cluster.keys: 334
Length of self.cluster.keys: 333
Length of self.cluster.keys: 332
Length of self.cluster.keys: 331
Length of self.cluster.keys: 330
Length of self.cluster.keys: 329
Length of self.cluster.keys: 328
Length of self.cluster.keys: 327
Length of self.cluster.keys: 326
Length of self.cluster.keys: 325
Length of self.cluster.keys: 324
Length of self.cluster.keys: 323
Length of self.cluster.keys: 322
Length of self.cluster.keys: 321
Length of self.cluster.keys: 320
Length of self.cluster.keys: 319
Length of self.cluster.keys: 318
Length of self.cluster.keys: 317
Length of self.cluster.keys: 316
Length of self.cluster.keys: 315
Length of self.cluster.keys: 314
Length of self.cluster.keys: 313
Length of self.cluster.keys: 312
Length of self.cluster.keys: 311
Length of self.cluster.keys: 310
Length of self.cluster.keys: 309
Length of self.cluster.keys: 308
Length of self.cluster.keys: 307
Length of self.cluster.keys: 306
Length of self.cluster.keys: 305
Length of self.cluster.keys: 304
Length of self.cluster.keys: 303
Length of self.cluster.keys: 302
Length of self.cluster.keys: 301
Length of self.cluster.keys: 300
Length of self.cluster.keys: 299
Length of self.cluster.keys: 298
Length of self.cluster.keys: 297
Length of self.cluster.keys: 296
Length of self.cluster.keys: 295
Length of self.cluster.keys: 294
Length of self.cluster.keys: 293
```

```
Length of self.cluster.keys: 292
Length of self.cluster.keys: 291
Length of self.cluster.keys: 290
Length of self.cluster.keys: 289
Length of self.cluster.keys: 288
Length of self.cluster.keys: 287
Length of self.cluster.keys: 286
Length of self.cluster.keys: 285
Length of self.cluster.keys: 284
Length of self.cluster.keys: 283
Length of self.cluster.keys: 282
Length of self.cluster.keys: 281
Length of self.cluster.keys: 280
Length of self.cluster.keys: 279
Length of self.cluster.keys: 278
Length of self.cluster.keys: 277
Length of self.cluster.keys: 276
Length of self.cluster.keys: 275
Length of self.cluster.keys: 274
Length of self.cluster.keys: 273
Length of self.cluster.keys: 272
Length of self.cluster.keys: 271
Length of self.cluster.keys: 270
Length of self.cluster.keys: 269
Length of self.cluster.keys: 268
Length of self.cluster.keys: 267
Length of self.cluster.keys: 266
Length of self.cluster.keys: 265
Length of self.cluster.keys: 264
Length of self.cluster.keys: 263
Length of self.cluster.keys: 262
Length of self.cluster.keys: 261
Length of self.cluster.keys: 260
Length of self.cluster.keys: 259
Length of self.cluster.keys: 258
Length of self.cluster.keys: 257
Length of self.cluster.keys: 256
Length of self.cluster.keys: 255
Length of self.cluster.keys: 254
Length of self.cluster.keys: 253
Length of self.cluster.keys: 252
Length of self.cluster.keys: 251
Length of self.cluster.keys: 250
Length of self.cluster.keys: 249
Length of self.cluster.keys: 248
Length of self.cluster.keys: 247
Length of self.cluster.keys: 246
Length of self.cluster.keys: 245
Length of self.cluster.keys: 244
Length of self.cluster.keys: 243
Length of self.cluster.keys: 242
Length of self.cluster.keys: 241
Length of self.cluster.keys: 240
Length of self.cluster.keys: 239
Length of self.cluster.keys: 238
Length of self.cluster.keys: 237
Length of self.cluster.keys: 236
Length of self.cluster.keys: 235
Length of self.cluster.keys: 234
Length of self.cluster.keys: 233
Length of self.cluster.keys: 232
Length of self.cluster.keys: 231
Length of self.cluster.keys: 230
Length of self.cluster.keys: 229
Length of self.cluster.keys: 228
Length of self.cluster.keys: 227
```

```
Length of self.cluster.keys: 226
Length of self.cluster.keys: 225
Length of self.cluster.keys: 224
Length of self.cluster.keys: 223
Length of self.cluster.keys: 222
Length of self.cluster.keys: 221
Length of self.cluster.keys: 220
Length of self.cluster.keys: 219
Length of self.cluster.keys: 218
Length of self.cluster.keys: 217
Length of self.cluster.keys: 216
Length of self.cluster.keys: 215
Length of self.cluster.keys: 214
Length of self.cluster.keys: 213
Length of self.cluster.keys: 212
Length of self.cluster.keys: 211
Length of self.cluster.keys: 210
Length of self.cluster.keys: 209
Length of self.cluster.keys: 208
Length of self.cluster.keys: 207
Length of self.cluster.keys: 206
Length of self.cluster.keys: 205
Length of self.cluster.keys: 204
Length of self.cluster.keys: 203
Length of self.cluster.keys: 202
Length of self.cluster.keys: 201
Length of self.cluster.keys: 200
Length of self.cluster.keys: 199
Length of self.cluster.keys: 198
Length of self.cluster.keys: 197
Length of self.cluster.keys: 196
Length of self.cluster.keys: 195
Length of self.cluster.keys: 194
Length of self.cluster.keys: 193
Length of self.cluster.keys: 192
Length of self.cluster.keys: 191
Length of self.cluster.keys: 190
Length of self.cluster.keys: 189
Length of self.cluster.keys: 188
Length of self.cluster.keys: 187
Length of self.cluster.keys: 186
Length of self.cluster.keys: 185
Length of self.cluster.keys: 184
Length of self.cluster.keys: 183
Length of self.cluster.keys: 182
Length of self.cluster.keys: 181
Length of self.cluster.keys: 180
Length of self.cluster.keys: 179
Length of self.cluster.keys: 178
Length of self.cluster.keys: 177
Length of self.cluster.keys: 176
Length of self.cluster.keys: 175
Length of self.cluster.keys: 174
Length of self.cluster.keys: 173
Length of self.cluster.keys: 172
Length of self.cluster.keys: 171
Length of self.cluster.keys: 170
Length of self.cluster.keys: 169
Length of self.cluster.keys: 168
Length of self.cluster.keys: 167
Length of self.cluster.keys: 166
Length of self.cluster.keys: 165
Length of self.cluster.keys: 164
Length of self.cluster.keys: 163
Length of self.cluster.keys: 162
Length of self.cluster.keys: 161
```

```
Length of self.cluster.keys: 160
Length of self.cluster.keys: 159
Length of self.cluster.keys: 158
Length of self.cluster.keys: 157
Length of self.cluster.keys: 156
Length of self.cluster.keys: 155
Length of self.cluster.keys: 154
Length of self.cluster.keys: 153
Length of self.cluster.keys: 152
Length of self.cluster.keys: 151
Length of self.cluster.keys: 150
Length of self.cluster.keys: 149
Length of self.cluster.keys: 148
Length of self.cluster.keys: 147
Length of self.cluster.keys: 146
Length of self.cluster.keys: 145
Length of self.cluster.keys: 144
Length of self.cluster.keys: 143
Length of self.cluster.keys: 142
Length of self.cluster.keys: 141
Length of self.cluster.keys: 140
Length of self.cluster.keys: 139
Length of self.cluster.keys: 138
Length of self.cluster.keys: 137
Length of self.cluster.keys: 136
Length of self.cluster.keys: 135
Length of self.cluster.keys: 134
Length of self.cluster.keys: 133
Length of self.cluster.keys: 132
Length of self.cluster.keys: 131
Length of self.cluster.keys: 130
Length of self.cluster.keys: 129
Length of self.cluster.keys: 128
Length of self.cluster.keys: 127
Length of self.cluster.keys: 126
Length of self.cluster.keys: 125
Length of self.cluster.keys: 124
Length of self.cluster.keys: 123
Length of self.cluster.keys: 122
Length of self.cluster.keys: 121
Length of self.cluster.keys: 120
Length of self.cluster.keys: 119
Length of self.cluster.keys: 118
Length of self.cluster.keys: 117
Length of self.cluster.keys: 116
Length of self.cluster.keys: 115
Length of self.cluster.keys: 114
Length of self.cluster.keys: 113
Length of self.cluster.keys: 112
Length of self.cluster.keys: 111
Length of self.cluster.keys: 110
Length of self.cluster.keys: 109
Length of self.cluster.keys: 108
Length of self.cluster.keys: 107
Length of self.cluster.keys: 106
Length of self.cluster.keys: 105
Length of self.cluster.keys: 104
Length of self.cluster.keys: 103
Length of self.cluster.keys: 102
Length of self.cluster.keys: 101
Length of self.cluster.keys: 100
Length of self.cluster.keys: 99
Length of self.cluster.keys: 98
Length of self.cluster.keys: 97
Length of self.cluster.keys: 96
Length of self.cluster.keys: 95
```

```
Length of self.cluster.keys: 94
Length of self.cluster.keys: 93
Length of self.cluster.keys: 92
Length of self.cluster.keys: 91
Length of self.cluster.keys: 90
Length of self.cluster.keys: 89
Length of self.cluster.keys: 88
Length of self.cluster.keys: 87
Length of self.cluster.keys: 86
Length of self.cluster.keys: 85
Length of self.cluster.keys: 84
Length of self.cluster.keys: 83
Length of self.cluster.keys: 82
Length of self.cluster.keys: 81
Length of self.cluster.keys: 80
Length of self.cluster.keys: 79
Length of self.cluster.keys: 78
Length of self.cluster.keys: 77
Length of self.cluster.keys: 76
Length of self.cluster.keys: 75
Length of self.cluster.keys: 74
Length of self.cluster.keys: 73
Length of self.cluster.keys: 72
Length of self.cluster.keys: 71
Length of self.cluster.keys: 70
Length of self.cluster.keys: 69
Length of self.cluster.keys: 68
Length of self.cluster.keys: 67
Length of self.cluster.keys: 66
Length of self.cluster.keys: 65
Length of self.cluster.keys: 64
Length of self.cluster.keys: 63
Length of self.cluster.keys: 62
Length of self.cluster.keys: 61
Length of self.cluster.keys: 60
Length of self.cluster.keys: 59
Length of self.cluster.keys: 58
Length of self.cluster.keys: 57
Length of self.cluster.keys: 56
Length of self.cluster.keys: 55
Length of self.cluster.keys: 54
Length of self.cluster.keys: 53
Length of self.cluster.keys: 52
Length of self.cluster.keys: 51
Length of self.cluster.keys: 50
Length of self.cluster.keys: 49
Length of self.cluster.keys: 48
Length of self.cluster.keys: 47
Length of self.cluster.keys: 46
Length of self.cluster.keys: 45
Length of self.cluster.keys: 44
Length of self.cluster.keys: 43
Length of self.cluster.keys: 42
Length of self.cluster.keys: 41
Length of self.cluster.keys: 40
Length of self.cluster.keys: 39
Length of self.cluster.keys: 38
Length of self.cluster.keys: 37
Length of self.cluster.keys: 36
Length of self.cluster.keys: 35
Length of self.cluster.keys: 34
Length of self.cluster.keys: 33
Length of self.cluster.keys: 32
Length of self.cluster.keys: 31
Length of self.cluster.keys: 30
Length of self.cluster.keys: 29
```

```
Length of self.cluster.keys: 28
Length of self.cluster.keys: 27
Length of self.cluster.keys: 26
Length of self.cluster.keys: 25
Length of self.cluster.keys: 24
Length of self.cluster.keys: 23
Length of self.cluster.keys: 22
Length of self.cluster.keys: 21
Length of self.cluster.keys: 20
Length of self.cluster.keys: 19
Length of self.cluster.keys: 18
Length of self.cluster.keys: 17
Length of self.cluster.keys: 16
Length of self.cluster.keys: 15
Length of self.cluster.keys: 14
Length of self.cluster.keys: 13
Length of self.cluster.keys: 12
Length of self.cluster.keys: 11
Length of self.cluster.keys: 10
Length of self.cluster.keys: 9
Length of self.cluster.keys: 8
Length of self.cluster.keys: 7
Length of self.cluster.keys: 6
```

In [81]:

```
agg_hierarchical_clustering.print()
```

```
Cluster: 0
    [    73 252386      0      4      1      1  39787     13      0      0
   7787]
    [   138 259484   1776      1      1      1  19172     26   7172     23
   6723]
    [    69 230715      0      3      1      1  24047     12      0      0
   6826]
    [   301 238868      0      3      1      1  20521     16      0      0
   7220]
    [   158 220081      0      4      1      1  52574     21    500      1
   7626]
    [   306 217846      0      4      1      1  49198     20      0      0
   7215]
    [   130 213150      0      4      1      1  56308     41   5200     14
   7645]
    [   362 224081      0      4      1      1  40108     15    150      2
   7059]
    [   367 222227      0      4      1      1  38127     14    500      1
   7047]
    [   246 227881      0      4      1      1  41186     13      0      0
   7369]
    [   161 228829      0      5      1      1  59852     21      0      0
   7612]
    [   259 236274      0      5      1      1  61515     12      0      0
   7375]
    [   225 229744      0      5      1      1  68754     35    550      2
   7467]
    [   159 212976      0      3      1      1  19926     12      0      0
   7624]
    [   325 205523      0      3      1      1  32404     20   1000      2
   7159]
    [   228 193976      0      3      1      1  10849     14      0      0
   7416]
    [   286 190542   1745      1      1      1   8487      9      0      0
   7267]
    [   262 198137      0      1      1      1   6303      6    500      1
   7323]
    [   394 198859      0      3      1      1  17855     14    500      1
   8296]
    [    25 205651    500      1      1      1   4025     21    700      4
```

```
7932]
 [   216 204582      0      1      1      1   4671     14      0      0
7498]
 [   191 211595      0      1      1      1   3250      8      0      0
7521]
 [   141 160447      0      1      1      1   8578     25      0      0
6716]
 [   266 164613      0      2      1      1  11095     13      0      0
7375]
 [   287 156230      0      1      1      1   5300      8   1300      5
7260]
 [   386 167670      0      1      3      1  15907     13      0      0
6994]
 [   250 176090      0      1      1      1   5300      9   2200      6
7344]
 [   284 168515      0      1      1      1   4600      4      0      0
7269]
 [   113 181019      0      3      1      1  18415     15      0      0
7714]
 [   239 182317      0      2      1      1  19489     17    273      1
7397]
 [   318 179559      0      3      1      1  17819     12   1000      2
7173]
 [    31 177926      0      3      1      1  20797     13      0      0
7886]
 [    22 185681   2024      1      1      1  13300     16   1800      9
6896]
 [   222 189053      0      3      1      1  24156     22      0      0
7439]
 [   314 179433      0      4      1      1  30476     15      0      0
7187]
 [   155 298121      0      5      1      1  60808     20    500      1
7640]
 [   296 294881      0      5      1      1  84800     20      0      0
7279]
 [    33 276571      0      4      1      1  42044     23      0      0
7872]
 [   340 278457   6727      4      1      1  57313     27   1000      2
7101]
 [    46 288865    967      1      1      1  23600     14   2000      4
6884]
 [   327 278727      0      1      1      1  21666     19   9166     16
7155]
 [   114 298911      0      1      1      1   8550     11   2550      8
7714]
 [   117 295638      0      1      1      1   5422     20    818      2
7700]
 [   241 285116      0      1      1      1   8471     18    500      1
7406]
 [   357 312512      0      1      1      1    100      1    100      1
7078]
 [    97 185549      0      5      1      1 110859     39   2950     16
6778]
 [   214 201346      0      5      1      1  99612     34    600      4
7463]
 [   124 205126      0      5      1      1 126630     45   2250     10
7668]
 [   374 161813      0      5      1      1 126941     20      0      0
7026]
 [    76 123867      0      3      1      1  25308     17      0      0
7759]
 [   121 122705      0      3      1      1  24222     15      0      0
7682]
 [    45 121260      0      3      1      1  18493     18      0      0
7808]
 [    78 129871      0      3      1      1  15776     22      0      0
```

```
7752]
 [   184 127807      0      3      1      1  17086     16   1500      3
7537]
 [   137 125948      0      3      1      1  15155     15      0      0
6761]
 [   308 125465      0      3      1      1  14750      9      0      0
7206]
 [    61 134457      0      3      1      1  15588     14      0      0
6861]
 [   337 133002      0      3      1      1  15672     21    150      1
7117]
 [   139 129298      0      4      1      1  29099     15      0      0
6722]
 [   146 126787      0      4      1      1  35021     17      0      0
6701]
 [   234 133309      0      3      1      1  23987     13      0      0
7415]
 [   281 120073      0      3      1      1  12423     29      0      0
7276]
 [   319 119977   2556      1      1      1   9275     16   1400      4
7226]
 [    54 121395      0      1      1      1   4970      8    650      2
6889]
 [   310 123370      0      1      1      1   7478     16      0      0
7197]
 [   312 112969      0      2      1      1   7572      7      0      0
7192]
 [   400 114713      0      1      1      1   7142     18      0      0
8296]
 [   230 117329      0      1      2      1   6448     11      0      0
7416]
 [    79 109380      0      1      1      1   7537     16      0      0
7749]
 [   179 106961      0      1      1      1   7357     19    200      2
7572]
 [    51 108137      0      1      1      1   6368      5   6368      5
6844]
 [    80 111157      0      4      1      1  32883     19      0      0
7771]
 [   219 114356      0      4      1      1  27308     14      0      0
7456]
 [    10 104860      0      3      1      1  28426     28   1150      3
6931]
 [   341 105166   1374      4      1      1  37663     22      0      0
7120]
 [   201 108341      0      3      1      1  19670     21      0      0
7488]
 [   376 107707      0      3      1      1  19407     25   2211     12
7024]
 [   269 105769      0      3      1      1  23097     16      0      0
7345]
 [   356 105423      0      3      1      1  20802     14      0      0
7078]
 [   348 112501      0      1      1      2  19140     11      0      0
7101]
 [    53 118531      0      4      1      1  44577     38      0      0
6868]
 [   177 120941      0      4      1      1  42301     21      0      0
7588]
 [   203 118940      0      4      1      1  36001     17    150      1
7484]
 [   231 119239      0      4      1      1  36362     15    250      1
7467]
 [   119 143967      0      2      1      1   7346     11      0      0
7689]
 [   135 145074      0      1      1      1   8000      4      0      0
```

```
6746]
 [    96 143566      0      1      1      1   5000      5   1500      3
6785]
 [   375 138020      0      1      1      1   6568     15      0      0
7024]
 [   264 149733      0      1      1      1    605      3    500      1
7323]
 [   378 149678      0      1      1      1      0      0      0      0
7022]
 [   361 148691      0      1      1      1   3000      3   1000      2
7064]
 [   199 134601      0      1      1      1      0      0      0      0
7493]
 [   165 152945      0      1      1      1  18604      6   3604      2
7598]
 [   176 149285      0      1      1      1  15656     13   3250      6
7561]
 [   274 145726      0      3      1      1  19019     15      0      0
7292]
 [   382 146263      0      3      1      1  20853     21    350      1
7001]
 [  169 95658     0     1     1     1  5269    18     0     0  7584]
 [  364 95305     0     1     1     1  3189    13     0     0  7054]
 [  229 98224     0     2     1     1  5570    11     0     0  7467]
 [  402 97763     0     1     1     1  2000     9     0     0  8296]
 [   136 101101      0      1      1      1  10850     11   1850      6
6725]
 [   148 100640      0      1      1      1   7600      8   1600      5
6708]
 [   84 88443     0     1     1     1  1200     3  1200     3  6837]
 [  156 87474     0     1     1     1  4581    15     0     0  7634]
 [  395 91939     0     1     1     1  1244     8     0     0  8296]
 [  258 96098     0     1     1     1 12500     4     0     0  7339]
 [  351 93045     0     3     1     1 17636    15     0     0  7092]
 [  253 88702     0     2     1     1  9620    13    50     1  7406]
 [  354 87938     0     1     1     1 11268     2     0     0  7085]
 [  396 88449     0     2     1     1 11402    18  1450     5  8296]
 [  189 89999     0     3     1     1 11694    13     0     0  7530]
 [   47 92336     0     2     1     1 11214     6     0     0  6884]
 [  167 80331     0     3     1     1 15489    18     0     0  7634]
 [  324 84700     0     3     1     1 13544    17     0     0  7162]
 [   72 84409  5031     2     1     1 15436    16  1150     4  7766]
 [   65 80250     0     1     1     1   895     2     0     0  6833]
 [  370 80214     0     1     1     1   500     1   500     1  7029]
 [  123 77540     0     1     1     1  1000     1     0     0  7683]
 [  151 84631     0     3     1     1 20415    17     0     0  6736]
 [  256 87293     0     3     1     1 21584    17  1050     2  7406]
 [    7 84914     0     3     1     1 27482    25     0     0  6994]
 [   19 91473     0     3     1     1 27408    17     0     0  6903]
 [   60 95118     0     3     1     1 23188    23  2200     7  6865]
 [   12 96522     0     5     1     1 61105    19     0     0  6924]
 [  377 95656     0     5     1     1 62666    27     0     0  7019]
 [  252 92875     0     5     1     1 60990    14     0     0  7344]
 [  235 81380     0     5     1     1 56524    22     0     0  7404]
 [    5 97752     0     4     1     1 43300    26  2077     4  6935]
 [  289 98006     0     4     1     1 46349    20  2309     3  7332]
 [  109 96627  1182     1     1     3 49059    26  2300     9  6738]
 [   100 102062      0      4      1      1  44247     16      0      0
6758]
 [  309 94222     0     4     1     1 52081    24     0     0  7201]
 [   140 103302      0      4      1      1  53552     22    700      3
6718]
 [   57 75971     0     4     1     1 34339    14     0     0  6869]
 [  384 76150     0     4     1     1 36907    17     0     0  6998]
 [   95 78629     0     4     1     1 36679    25     0     0  6817]
 [  288 79211     0     4     1     1 36776    14     0     0  7260]
```

```
 [    68 83237      0      4      1      1 35287     18      0      0  6837]
 [   125 81974      0      4      1      1 37266     18   1050      3  7661]
 [   127 77699      0      4      1      1 42775     13      0      0  7654]
 [   153 77097      0      4      1      1 42403     22   1718      4  6683]
 [   111 84674      0      4      1      1 46335     14     50      1  6738]
 [   387 86853      0      4      1      1 42293     21    500      1  6980]
 [   173 71767      0      5      1      1 67335     13      0      0  7570]
 [   276 70676      0      5      1      1 74993     15      0      0  7288]
 [    334 172288       0       5       1       1   66879      10       0       0
7130]
 [    345 174910       0       4       1       1   63960      20     200       1
7110]
 [    352 197328       0       5       1       1   60447      12       0       0
7092]
 [    207 152881       0       5       1       1   79687      18     500       1
7474]
 [    244 163530       0       5       1       1   88987      25       0       0
7406]
 [    295 145993       0       5       1       1   95082      17     500       1
7229]
 [    292 137908       0       5       1       1   57713      19       0       0
7250]
 [    332 138999       0       5       1       1   63738      29     600       4
7153]
 [    233 153747       0       5       1       1   58689      15       0       0
7409]
 [    195 143080     733       4       1       1   44373      38    3928      17
7575]
 [    223 143481       0       4       1       1   45891      15       0       0
7437]
 [    132 142175       0       4       1       1   37461      22       0       0
6732]
 [    299 141813       0       4       1       1   39743      14       0       0
7254]
 [    302 149286       0       4       1       1   42141      30    2400      13
7222]
 [    353 151301       0       4       1       1   37772      14       0       0
7092]
 [    128 133954     500       4       1       1   37670      18    1500       3
7654]
 [    339 133370       0       4       1       1   44299      18       0       0
7101]
 [     21 120576       0       5       1       1   58831      23     250       2
6896]
 [    164 120700       0       5       1       1   55323      17    1500       1
7598]
 [     36 123759       0       4       1       1   50572      23    2500       5
7865]
 [    247 118934       0       5       1       1   66222      37    2250      17
7354]
 [    275 121639       0       5       1       1   67286       7       0       0
7288]
 [    115 124198       0       5       1       1   66330      23    4833      10
7710]
 [    86 61990      0      1      1      1  1625      6      0      0  6833]
 [   254 62882      0      1      1      1  1925      8      0      0  7375]
 [   181 60230      0      1      1      1   500      1      0      0  7544]
 [   321 65316      0      1      1      1  3917     10      0      0  7254]
 [   333 65573      0      1      1      1  3875     23      0      0  7130]
 [    24 66275      0      1      1      1  2533     11    150      1  6884]
 [   193 72173      0      1      1      1  2954     13    232      1  7509]
 [   226 75039      0      1      1      1  2750     10    250      1  7435]
 [    38 68666      0      1      1      1   350      2    350      2  7861]
 [   168 69882      0      1      1      1   180      6      0      0  7582]
 [   265 70730      0      1      1      1  1319     12      0      0  7316]
 [    91 62553      0      2      1      1  7672     16    700      1  6819]
```

```
[  291 62998     0     2     1     1 11326    24     0     0  7253]
[   43 60313     0     1     1     1 10000    26  3250     9  7829]
[   99 57346     0     1     1     1  5560    23     0     0  6766]
[  221 59797     0     1     1     1  7069     4     0     0  7444]
[  116 56906     0     1     1     1  2015    13     0     0  7707]
[  232 53715     0     2     1     1  7164    15   300     2  7416]
[  323 52060     0     1     1     1  6500     3     0     0  7162]
[  278 51250     0     1     1     1     0     0     0     0  7283]
[  363 51088     0     1     1     1     0     0     0     0  7057]
[  209 51468     0     1     1     1  2278     9     0     0  7460]
[  349 54005     0     1     1     1  1500     5     0     0  7099]
[  371 53985     0     1     1     1  1000     1     0     0  7029]
[  197 52738  2398     1     1     1     0     0     0     0  7498]
[  163 69110     0     3     1     1 18500    19     0     0  7598]
[  390 67086     0     3     1     1 18157    16     0     0  6974]
[  102 64824     0     3     1     1 20184    13     0     0  6770]
[  118 67018     0     3     1     1 23260    25     0     0  7698]
[  330 73849     0     2     1     1 11793    21     0     0  7250]
[   48 36924     0     1     1     1  5900     6   300     2  6879]
[  268 35065     0     1     1     1  5400     5  1400     3  7311]
[   58 36298     0     1     1     1  3100     5   600     3  6865]
[   11 40091     0     2     1     1  7278    10     0     0  6959]
[   89 40284     0     1     1     1  7719     5     0     0  6827]
[  369 38227     0     2     1     1  8612    13     0     0  7036]
[  391 35969     0     2     1     1 11665    21     0     0  6977]
[  105 35119     0     1     1     1     0     0     0     0  6749]
[  342 34956     0     1     1     1     0     0     0     0  7172]
[  107 34327     0     1     1     1     0     0     0     0  6745]
[  270 35900     0     1     1     1     0     0     0     0  7304]
[  303 35945     0     1     1     1     0     0     0     0  7220]
[  174 35820     0     1     1     1     0     0     0     0  7575]
[   41 34616     0     1     1     1  1750     4   500     1  7850]
[   55 38348     0     1     1     1     0     0     0     0  6861]
[  347 38718     0     1     1     1     0     0     0     0  7314]
[  143 39628     0     1     1     1     0     0     0     0  6711]
[  208 37348     0     1     1     1     0     0     0     0  7472]
[  145 31769     0     1     1     1   450     2   450     2  6707]
[  186 32948     0     1     1     1    50     1    50     1  7569]
[  215 31588     0     1     1     1  2947     8     0     0  7463]
[   14 43097     0     1     1     1  3258     6     0     0  6918]
[  271 43088     0     1     1     1  4000     1     0     0  7345]
[    3 41354     0     1     1     1  4123     4     0     0  7034]
[  110 43498     0     1     1     1     0     0     0     0  6759]
[  373 44457     0     1     1     1   225     3     0     0  7026]
[   35 43832     0     1     1     1     0     0     0     0  7865]
[  338 42363     0     1     1     1     0     0     0     0  7120]
[  313 46430     0     1     1     1  2100     4   500     1  7194]
[  343 46963     0     1     1     1  1500     5     0     0  7117]
[  240 46184     0     1     1     1  3125    12   500     1  7388]
[   92 48433     0     1     1     1  3500     4   500     1  6807]
[  335 47958     0     1     1     1     0     0     0     0  7130]
[  162 46823     0     1     1     1  5860    12     0     0  7613]
[   13 43382     0     2     1     1 11150    20     0     0  6924]
[  160 44182     0     3     1     1 12313    12     0     0  7619]
[  257 45225     0     3     1     1 14711    15     0     0  7339]
[  147 41547     0     3     1     1 16857    17     0     0  6697]
[  359 41279     0     3     1     1 14462    20  1650     6  7064]
[  183 48145     0     1     1     1 10735    27     0     0  7540]
[  267 47557     0     2     1     1 10267    18   200     3  7345]
[  131 48333     0     2     1     1 10123    14     0     0  6737]
[   71 47457     0     3     1     1 12621    16     0     0  7766]
[  328 50325     0     3     1     1 11930    14     0     0  7155]
[   29 59763     0     3     1     1 33772    20   100     1  7907]
[  300 58139   500     4     1     1 38408    16   150     1  7227]
[   39 59990     0     3     1     1 27878    17     0     0  7854]
[  316 61455     0     4     1     1 28765    17     0     0  7183]
```

```
[   66 53914     0     3     1     1 33767    45  5550    29  6826]
[   49 70312     0     3     1     1 34678    24   500     1  6875]
[  350 66863     0     4     1     1 36532     9     0     0  7099]
[  344 55788     0     3     1     1 24831    12     0     0  7314]
[  397 54842     0     3     1     1 20792    15     0     0  8296]
[  393 53790     0     4     1     1 28717    19     0     0  8296]
[  126 47258     0     3     1     1 24768    19     0     0  7659]
[  188 49885     0     3     1     1 23640    17     0     0  7533]
[   59 38077     0     3     1     1 34024     8     0     0  6837]
[  204 41385     0     4     1     1 26948    14     0     0  7481]
[  285 44873     0     4     1     1 38740    18   850     2  7267]
[  293 45586     0     4     1     1 37459    15     0     0  7246]
[   81 49238     0     4     1     1 38037    18     0     0  7801]
[  157 48707     0     4     1     1 37655    14     0     0  7631]
[   17 51890     0     4     1     1 48963    16     0     0  6910]
[  272 58703     0     4     1     1 46473    34   950     4  7296]
[  150 50593     0     5     1     1 58208    17  1500     2  6689]
[  346 13812     0     2     1     1 15149    39     0     0  7110]
[  379 15113     0     2     1     1 10574    19     0     0  7017]
[  238 11449     0     2     1     1  9057    13     0     0  7397]
[  398 11189     0     1     2     1  9044    20     0     0  8296]
[ 187 8933    0    2    1    1 8860   14    0    0 7533]
[  202  8669     0     1     3     1 11397    16     0     0  7486]
[ 305 7061    0    1    1    1 7100   12    0    0 7218]
[  217  8298     0     3     1     1 20087    15     0     0  7498]
[ 220 1344    0    1    1    1 1134    9    0    0 7498]
[ 282 2003    0    1    1    1  980    2    0    0 7274]
[ 401 1612    0    1    1    1  955    9    0    0 8296]
[  52 1300    0    1    1    1  370    1    0    0 6868]
[  40 2176    0    1    1    1    0    0    0    0 7847]
[  94 2000    0    1    1    1 2000    4 2000    4 6809]
[ 245 2075    0    2    1    1 5002   14    0    0 7374]
[  85 8454    0    1    1    1  498    9    0    0 6821]
[ 104 8053    0    1    1    1    0    0    0    0 6750]
[  28 8828    0    1    1    1    0    0    0    0 7914]
[   32 10021     0     1     1     1     0     0     0     0  7879]
[   63 10120     0     1     1     1     0     0     0     0  6864]
[  67 9375    0    1    1    1 1750    7    0    0 6826]
[ 144 6112    0    1    1    1    0    0    0    0 6709]
[ 213 6854    0    1    1    1    0    0    0    0 7467]
[ 182 6663    0    1    1    1 1125    7  750    4 7575]
[  218 10097     0     1     1     1  2700     1  2700     1  7498]
[  237 24051     0     2     1     1  8764    13     0     0  7395]
[  360 25313     0     2     1     1  7491    13     0     0  7064]
[   20 23354     0     3     1     1 10447     5     0     0  6896]
[  365 22080     0     1     1     1 12200    47  1950     9  7050]
[  180 28086  1745     2     1     1  7368    12     0     0  7549]
[  255 30015     0     1     1     1  5875    32     0     0  7341]
[  106 28667     0     1     1     1  3861     7  2050     5  6749]
[  198 24523     0     1     1     1   100     1     0     0  7493]
[  383 24598     0     1     1     1     0     0     0     0  7040]
[  152 24868     0     1     1     1   205     5     0     0  6689]
[   87 24093     0     1     1     1  1750     7     0     0  6819]
[  101 22324     0     1     1     1  1375     4     0     0  6753]
[  381 22380     0     1     1     1   300     2   200     1  7010]
[   37 23193     0     1     1     1   650     4   550     3  7861]
[    1 28143     0     1     1     1   174     1     0     0  7000]
[  304 28218     0     1     1     1   750     4   750     4  7232]
[  405 26720     0     1     1     1   913     3     0     0  8296]
[    8 20856     0     1     1     1  5250     4   250     1  6938]
[  236 22074     0     1     1     1  6039    15     0     0  7404]
[   30 19221     0     1     1     1  4655     8   500     1  7896]
[  211 23184  1250     1     1     1  3694    12  1150     3  7467]
[   23 20584     0     1     1     1  3450    11  3450    11  6884]
[  243 15525     0     1     1     1  3853     6     0     0  7406]
[  251 15221     0     1     1     1  4425     9     0     0  7361]
```

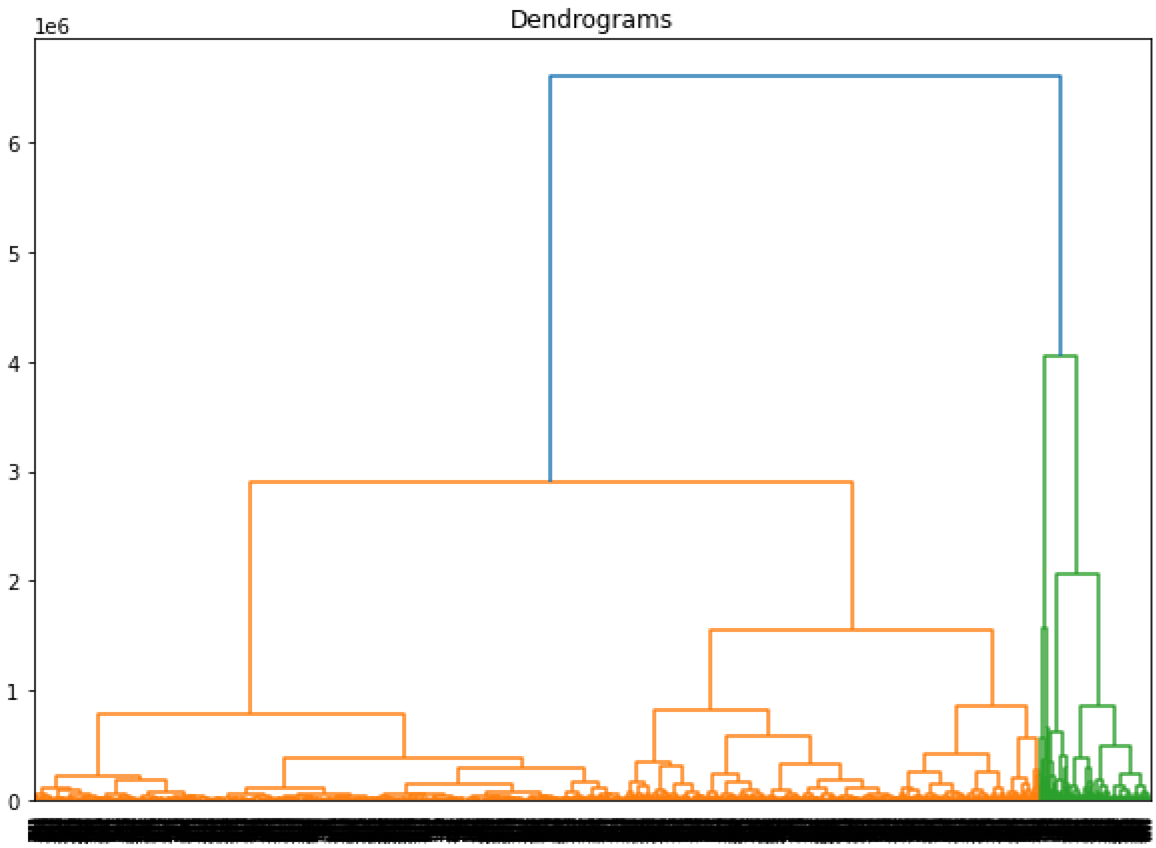
```
 [   142 15472      0      1      1      1  3500     14      0      0  6715]
 [    18 13958      0      1      1      1  4291      5      0      0  6905]
 [    98 16796      0      1      1      1  2875     16      0      0  6773]
 [   122 16583      0      1      1      1  2625      7      0      0  7682]
 [   297 12195      0      1      1      1  3875     17      0      0  7229]
 [    56 14448      0      1      1      1  1625      6      0      0  6856]
 [   355 15283      0      1      1      1  1250      3      0      0  7132]
 [     4 14776      0      1      1      1   500      1      0      0  6952]
 [   372 14414      0      1      1      1     0      0      0      0  7024]
 [   403 15129      0      1      1      1     0      0      0      0  8296]
 [   404 15669      0      1      1      1  1205      4      0      0  8296]
 [   280 12895      0      1      1      1     0      0      0      0  7277]
 [   358 13680      0      1      1      1     0      0      0      0  7073]
 [    75 12646      0      1      1      1   631      4    631      4  7787]
 [   366 11660      0      1      1      1   140      1      0      0  7050]
 [    15 17648      0      1      1      1     0      0      0      0  6912]
 [   133 17469      0      1      1      1     0      0      0      0  6730]
 [    34 18047      0      1      1      1   100      1      0      0  7868]
 [     2 19244      0      1      1      1   215      2      0      0  6968]
 [   149 18707      0      1      1      1   100      1      0      0  6693]
 [     6 16420      0      1      1      1     0      0      0      0  6942]
 [   298 16622      0      1      1      1     0      0      0      0  7229]
 [   368 16200      0      1      1      1   160      1      0      0  7043]
 [   206 16230      0      1      1      1   486      2      0      0  7477]
 [   320 16928      0      1      1      1  1000      1      0      0  7173]
 [   399 16999      0      1      1      1   140      1      0      0  8296]
 [    27 18521      0      1      1      1  1227      2   1227      2  7917]
 [   277 18263      0      1      1      1  2100      4   1000      2  7285]
 [    50 17051      0      1      1      1  1150      4   1150      4  6868]
 [    26 20726      0      1      1      1  1375      4      0      0  7924]
 [   227 20203      0      1      1      1   750      6      0      0  7467]
 [   134 19823      0      1      1      1  1095      3    335      1  6730]
 [    62 19918      0      1      1      1 17601     11      0      0  6863]
 [    93 20508      0      1      1      1 22250      8   1250      5  6794]
 [   212 27381      0      3      1      1 18009     18      0      0  7524]
 [   261 25279      0      2      1      1 14938     26      0      0  7327]
 [   205 28621      0      2      1      1 13878     20   1400     10  7479]
 [   108  3734      0      5      1      1 61096     18    150      2  6760]
 [   249 12526      0      4      1      1 56076     19   3850     11  7375]
 [   172 21694      0      4      1      1 45230     20    700      2  7575]
 [   326 20457      0      4      1      1 51399     16      0      0  7193]
 [    16 28495      0      4      1      1 49442     15      0      0  6912]
 [   103 25076   1182      5      1      1 57203     14      0      0  6750]
 [   283 22652      0      5      1      1 57642     14      0      0  7271]
 [    88 35418      0      5      1      1 58557     18    900      3  6813]
 [   200 32742      0      5      1      1 61857     26      0      0  7488]
 [   290 33982      0      5      1      1 68320     17      0      0  7255]
 [    82 38896      0      5      1      1 76988     16    556      1  7771]
 [   112 15098      0      4      1      1 32917     26    550      3  6737]
 [   166 10302      0      4      1      1 30298     19      0      0  7591]
 [    42 10470      0      4      1      1 38094     26      0      0  7840]
 [   315 20746      0      4      1      1 37534     17      0      0  7185]
 [    83  4340      0      1      1      1 32685      5      0      0  7733]
 [   380   231      0      1      1      1 29900     24   5300     15  7015]
 [   210 95989      0      5      1      1 92159     30   1329      4  7518]
 [    273  70354      0      5      1      1 120907     22      0      0
   7290]
 [   242 30962      0      5      1      1 97683     37   6400     18  7360]
 [    389  28193      0      5      1      4 103456     32      0      0
   6980]
 [    194 123516      0      5      1      1 240544     31    500      2
   7507]
Cluster: 1
 [    120 969559      0      1      1      1   2500      3   1000      2
   7718]
 [    154 930410      0      5      1      1 211284     18   2250      6
```

```
   7640]
Cluster: 2
    [    196  386061       0       5       1       1  107813      24       0       0
   7500]
    [    331  388455       0       5       1       1  114329      26    6078       8
   7164]
    [    170  402874       0       5       1       1   74800      15       0       0
   7582]
    [    263  402312       0       5       1       1   77122      18     250       3
   7375]
    [    192  410795       0       5       1       1   73679      31       0       0
   7514]
    [     64  362642       0       1       1       1   28079       8       0       0
   6835]
    [    307  364387       0       4       1       1   28200      27       0       0
   7213]
    [    175  352508       0       3       1       1   23740       6    1000       2
   7563]
    [    171  370941       0       4       1       1   44615      16       0       0
   7577]
    [    311  383030    2998       1       1       1    8001      25    3226      15
   7326]
    [    178  451673       0       4       1       1   43533      19     900       4
   7575]
    [    388  479989       0       4       1       1   66516      26    1600       6
   6980]
    [      9  443003       0       3       2       1    1753      43    3850      12
   6948]
    [    329  455228       0       1       1       1     258       2     258       2
   7141]
    [    260  423540       0       1       1       1    8534      14    2100       9
   7375]
    [    248  468175       0       5       1       1  141615      22       0       0
   7348]
    [    385  377252       0       5       1       1  230629      30    6393      13
   6996]
Cluster: 3
    [    190  707079       0       4       1       1   57173      40    3450      12
   7523]
    [    317  714717       0       5       1       1  119162      20    1750       4
   7183]
    [    322  766419       0       1       1       1   11398       3     398       1
   7162]
    [     74  550367       0       3       1       1   12500      13      50       1
   7801]
    [    294  568174       0       5       1       1   67121      16    1000       2
   7243]
    [     44  619393       0       3       1       1   15008      14       0       0
   7819]
    [     90  609477       0       3       1       1   21422      22    1200       8
   6820]
    [    129  602064       0       5       1       1  194753      26    2250      10
   7652]
Cluster: 4
    [     224 1302051     2706        5        1        1    90653       32     3050
        7    7467]
Cluster: 5
    [     279 1704838        0        1        1        1    17108       32     4823
       23    7283]
```

The codes above tried to cluster 500 samples out of 4000 observations. Considering about the time complexity and the time for fitting, the total 4000 observations clustering may take over 20 hours. Thus only 500 samples are clustered. The printed result indicated over 380 observations are in the same group, and rest are in the other groups.

The following code use scipy dendrograms to describe all 4000 observations. The outcome indicated that main 2 groups exist (yellow and green). It can also be viewed as 3 groups for 1 yellow group and 2 green groups if we divide the dendrogram from the top part. The yellow group size is obviously larger than green group, but the distances within green group are also larger than that in the yellow group.

In [90]:
```
import scipy.cluster.hierarchy as shc

plt.figure(figsize=(10, 7))
plt.title("Dendrograms")
dend = shc.dendrogram(shc.linkage(x, method='ward'))
```



Part 3

DBScan cluster

In [82]:
```
from sklearn.preprocessing import PolynomialFeatures
from sklearn.datasets import load_iris
import numpy as np
import scipy as scipy
import matplotlib.pyplot as plt
from sklearn.decomposition import PCA
from sklearn.preprocessing import QuantileTransformer
from sklearn.preprocessing import MinMaxScaler,StandardScaler
from sklearn.metrics.pairwise import euclidean_distances
from sklearn.metrics import pairwise_distances,f1_score,precision_score,recall_score
from sklearn.model_selection import GridSearchCV
from sklearn.base import BaseEstimator, ClassifierMixin

#Custom estimator for gridsearch
class MyClassifier(BaseEstimator, ClassifierMixin):
    def __init__(self,e=0,minp=0):
        self.e =e
        self.minp=minp

    def fit(self, X,Y):
```

```python
        self.Y=Y
        DistanceMatrix = scipy.spatial.distance.squareform(
                        scipy.spatial.distance.pdist(X, 'euclidean')
                        )

        core_point_array=np.zeros(150)
        cluster_array=np.zeros(150)
        PointNeighbors=[]

        e=self.e
        k=self.minp
        w=0
        for i in range(len(DistanceMatrix)):
            PointNeighbors=np.where(DistanceMatrix[i]<=e)[0]
            if len(PointNeighbors)>=k:
                core_point_array[i]=1
                if cluster_array[i]==0:
                    cluster_array[i]=w
                    w=w+1
                for x in range(len(PointNeighbors)):
                                        #print(cluster_array[PointNeighbors[x]])
                    if cluster_array[PointNeighbors[x]]==0:
                        cluster_array[PointNeighbors[x]]=cluster_array[i]

        for x in range(len(cluster_array)):
            cluster_array[x]=cluster_array[x]-1

        self.cluster_array=cluster_array
        return cluster_array

    def predict(self, X):
         # Some code
         return self.cluster_array

    def score(self, X, Y):
        dt=f1_score(self.Y,self.cluster_array,average='weighted')
        print('Accuracy -'+str(dt))
        return (dt)

def DBSCAN(normalised_distance,e,k):
        DistanceMatrix = scipy.spatial.distance.squareform(
                scipy.spatial.distance.pdist(normalised_distance, 'euclidean')
                )
        core_point_array=np.zeros(150)
        cluster_array=np.zeros(150)
        PointNeighbors=[]
        #e=0.3
        #k=18
        w=0
        for i in range(len(DistanceMatrix)):
                PointNeighbors=np.where(DistanceMatrix[i]<=e)[0]
                if len(PointNeighbors)>=k:
                        core_point_array[i]=1
                        if cluster_array[i]==0:
                                cluster_array[i]=w
                                w=w+1

                        for x in range(len(PointNeighbors)):
                                #print(cluster_array[PointNeighbors[x]])
                                if cluster_array[PointNeighbors[x]]==0:
                                        cluster_array[PointNeighbors[x]]=cluster_array[i

        for x in range(len(cluster_array)):
                        cluster_array[x]=cluster_array[x]-1

        return cluster_array
```

As the maximum of the input data is limitted to 150 observations, only 150 samples are in the clustering method.

In [109…

```
# Data Transformation
input_data=x[0:150,:]
target_data=y[0:150]

poly = PolynomialFeatures(x.shape[1])
input_data=poly.fit_transform(input_data)
input_data=QuantileTransformer(n_quantiles=40, random_state=0).fit_transform(input_data)

scaler = MinMaxScaler()
scaler.fit(input_data)
normalised_input_data=scaler.transform(input_data)
distan=pairwise_distances(normalised_input_data,metric='euclidean')
scaler.fit(distan)
normalised_distance=scaler.transform(distan)

sscaler = StandardScaler()
sscaler.fit(normalised_distance)
normalised_distance=sscaler.transform(normalised_distance)

pca = PCA(n_components=4)
normalised_distance = pca.fit_transform(normalised_distance)

scaler.fit(normalised_distance)
normalised_distance=scaler.transform(normalised_distance)

print(normalised_distance)
print('normalised_distance')
```

```
[[0.03242504 0.22853599 0.91830355 0.60398854]
 [0.0304068  0.22678839 0.91141609 0.6009346 ]
 [0.02076049 0.21547078 0.78413479 0.54567316]
 [0.0308371  0.22722787 0.91409663 0.60228907]
 [0.82512055 0.10599629 0.41713096 0.58795337]
 [0.05120071 0.24665953 0.9984805  0.64282823]
 [0.02836692 0.21519269 0.34190953 0.3998951 ]
 [0.63166211 0.01960462 0.77770667 0.02376806]
 [0.85160635 0.13728906 0.42577481 0.62379793]
 [0.80953308 0.0755992  0.42695348 0.53053593]
 [0.00988447 0.20435989 0.60260656 0.47430996]
 [0.04543761 0.22861449 0.19154728 0.37608961]
 [0.01021313 0.20335812 0.49778337 0.43725084]
 [0.0125267  0.20840973 0.73058005 0.52188798]
 [0.04967352 0.24549244 0.99899243 0.64302716]
 [0.02297106 0.21186896 0.35016667 0.40152667]
 [0.02436302 0.21310503 0.27777137 0.37970863]
 [0.01701058 0.21314205 0.789012   0.54802037]
 [0.01434843 0.20608872 0.29150032 0.37159794]
 [0.0085804  0.20356964 0.59340805 0.47215976]
 [0.7992833  0.09049183 0.31838748 0.63846855]
 [0.93693096 0.93575606 0.63935866 0.17289195]
 [0.77524853 0.05402645 0.6843151  0.21879489]
 [0.66109086 0.00430227 0.69910841 0.05870322]
 [0.89974214 0.90179343 0.63968149 0.14978099]
 [0.01502627 0.21246474 0.81310982 0.55663605]
 [0.66308595 0.02542746 0.80906088 0.00931682]
 [0.04983473 0.24567171 0.99897218 0.64359863]
 [0.73448606 0.03333863 0.43433133 0.40220695]
 [0.67482309 0.00571715 0.72211874 0.04890616]
 [0.02182084 0.21187457 0.20799605 0.35016727]
 [0.04896094 0.24500756 0.99924256 0.64371927]
 [0.05999874 0.24163225 0.0503064  0.35435547]
```

```
[0.02533377 0.2229222  0.90537085 0.59781648]
[0.04707116 0.24247002 0.97591099 0.63326002]
[0.883105   0.14119741 0.28309249 0.81787072]
[0.66684838 0.01696991 0.79700417 0.        ]
[0.6493516  0.01915226 0.78287609 0.0125733 ]
[0.01075466 0.20427533 0.23843864 0.35313231]
[0.0503538  0.24615065 1.         0.64428731]
[0.66194456 0.00412884 0.76012271 0.00315409]
[0.03343785 0.21927603 0.29271614 0.39644282]
[0.84353333 0.07901159 0.49540065 0.49244738]
[0.04411414 0.22868979 0.12443314 0.34934359]
[0.01653507 0.20887025 0.17148676 0.33543172]
[0.94675388 0.93938938 0.60524214 0.18217446]
[0.00105274 0.19718789 0.42182595 0.40333893]
[0.69817812 0.         0.68933911 0.07436516]
[0.78917087 0.05222979 0.36857551 0.54381799]
[0.70112155 0.02293681 0.78415102 0.03281573]
[0.81558326 0.06103737 0.58687638 0.34546276]
[0.0294401  0.22642745 0.91755061 0.60427735]
[0.05859078 0.24106525 0.02777397 0.34903035]
[0.74651814 0.01179912 0.6006272  0.20612796]
[0.04526078 0.24141726 0.98220802 0.63640228]
[0.00955292 0.2077318  0.77073404 0.53902294]
[0.01782959 0.2101954  0.15284395 0.3344178 ]
[0.71849495 0.00521035 0.71248087 0.0695665 ]
[0.00758679 0.20167058 0.32453534 0.37893799]
[0.87824636 0.10841231 0.34410946 0.72493912]
[0.01185769 0.20556422 0.19678467 0.33786277]
[0.0041224  0.19960802 0.51967114 0.4415769 ]
[0.04689367 0.24346547 0.99943555 0.64414314]
[0.03182356 0.2180797  0.23312543 0.36360112]
[0.01218393 0.20831531 0.72967431 0.52041571]
[0.90733963 0.16102651 0.31315626 0.83317074]
[0.01131577 0.20875646 0.76175693 0.53658302]
[0.02731138 0.2178213  0.08431014 0.32502076]
[0.03078363 0.21965013 0.11185339 0.33177893]
[0.00467816 0.20009657 0.28233833 0.36206024]
[0.93832329 0.94425519 0.6113371  0.18067638]
[0.05498704 0.23873518 0.02995826 0.3421062 ]
[0.75575067 0.07366287 0.345691   0.53176187]
[0.68269361 0.02271907 0.78601056 0.02656528]
[0.02645251 0.21734946 0.0794531  0.31948243]
[0.02929122 0.21887841 0.09621358 0.32732599]
[0.00692039 0.20083887 0.33952864 0.37718348]
[0.04262682 0.22978105 0.03012767 0.32789134]
[0.03058377 0.21968269 0.10569371 0.33670258]
[0.8077104  0.08995093 0.30473853 0.66851002]
[0.02150378 0.21207083 0.58443968 0.47577002]
[0.7327125  0.021578   0.69297439 0.12222069]
[0.0167829  0.21298485 0.77981782 0.54521279]
[0.00287455 0.20000276 0.6109873  0.47210417]
[0.00307993 0.20133468 0.67316464 0.49799179]
[0.844415   0.10316406 0.31220666 0.72028023]
[0.         0.19737088 0.55101546 0.44939002]
[0.88905518 0.15710097 0.26363014 0.84850915]
[0.766291   0.02157265 0.49890258 0.34716104]
[0.69653146 0.00151957 0.68314894 0.07991844]
[0.78926898 0.04031148 0.56747023 0.32355618]
[0.70380828 0.04026654 0.76729221 0.08826225]
[0.04587195 0.23187578 0.03582328 0.33538037]
[0.78539187 0.03532695 0.56426883 0.30569197]
[0.91962452 0.20921168 0.2109791  0.98312347]
[0.00699331 0.20240407 0.58294796 0.46656627]
[0.00874964 0.20201118 0.38557685 0.39627007]
[0.04377602 0.2305695  0.0336434  0.33093256]
[0.00747024 0.20547695 0.73016505 0.52195243]
```

```
 [0.01022793 0.20454753 0.20714603 0.34246794]
 [0.27788864 0.48389013 0.38234559 0.55485783]
 [0.0479332  0.24399223 0.9904039  0.64135727]
 [0.04614592 0.24181208 0.96998335 0.63323324]
 [0.78047376 0.0339028  0.62883182 0.24055282]
 [0.04628467 0.24191639 0.96963906 0.6331994 ]
 [0.75059014 0.07627755 0.42773364 0.48541153]
 [0.9875608  0.98411534 0.55346056 0.29258704]
 [0.04713021 0.24216737 0.95968628 0.62922879]
 [0.75602593 0.06812276 0.31609274 0.5668996 ]
 [0.81072314 0.08119541 0.37743516 0.59489484]
 [0.03815143 0.22585626 0.06949052 0.32949808]
 [0.86279607 0.10779533 0.40956861 0.61913503]
 [0.91393809 0.19689529 0.21764777 0.96366649]
 [0.00598847 0.20073993 0.48131971 0.42720304]
 [0.80829081 0.07356768 0.40724135 0.52804325]
 [0.03561368 0.22360033 0.08380032 0.33436396]
 [0.01669096 0.20838736 0.23869745 0.35445697]
 [0.7797791  0.07504976 0.50007054 0.40776786]
 [0.03394538 0.22301386 0.06649634 0.32488557]
 [0.00662552 0.20287416 0.62128045 0.48086847]
 [0.01721356 0.21095201 0.68238788 0.50529468]
 [0.91725566 0.21207465 0.20314063 0.98963935]
 [0.86286128 0.11993897 0.26630116 0.79832357]
 [0.02648653 0.216423   0.13670209 0.33964391]
 [0.04376504 0.23014104 0.05810683 0.3381127 ]
 [0.97274326 0.9640057  0.53232145 0.28531405]
 [0.92214367 0.22349898 0.20241136 1.        ]
 [0.92277561 0.21541705 0.21202201 0.98856881]
 [0.00758649 0.20191343 0.30747109 0.37220285]
 [0.06618108 0.24787747 0.         0.35225995]
 [0.04790341 0.24341611 0.97473762 0.63577112]
 [0.65046802 0.01363154 0.75249115 0.03094333]
 [0.01490849 0.20621764 0.40342799 0.4041569 ]
 [0.83863814 0.07162784 0.46487978 0.50540413]
 [0.02788697 0.21780023 0.12014731 0.33264219]
 [1.         1.         0.57334309 0.29706439]
 [0.04744073 0.23336051 0.03630113 0.33522682]
 [0.86461071 0.13965603 0.23369167 0.84510563]
 [0.03282145 0.21928594 0.20697292 0.35979961]
 [0.01139302 0.20498572 0.54525342 0.45604814]
 [0.05000514 0.24403059 0.94790546 0.62564803]
 [0.05098444 0.24591176 0.97694631 0.63701888]
 [0.66616512 0.02241056 0.75689573 0.04620376]
 [0.05700243 0.24075625 0.01697235 0.34360472]
 [0.02024975 0.21124779 0.20803346 0.3543154 ]
 [0.8179253  0.05790418 0.50178393 0.43028757]
 [0.02622036 0.22155571 0.83779511 0.57154136]
 [0.8591531  0.12932486 0.26973329 0.79828562]
 [0.03016612 0.21954966 0.1101312  0.33426723]
 [0.01959586 0.21390538 0.73172371 0.52720163]]
normalised_distance
```

In [110…

```
eps_values= np.arange(0.1,0.5 ,0.001)
min_sample_values = np.arange(2,30,1)

params = {
    'e':eps_values,
    'minp':min_sample_values
}
cv = [(slice(None), slice(None))]
```

In [111…

```
gs = GridSearchCV(MyClassifier(), param_grid=params, cv=cv)
Y=target_data
gs.fit(normalised_distance,Y)
```

```
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.3323657435482784
Accuracy -0.3323657435482784
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.3255945017182131
Accuracy -0.30355194852672374
Accuracy -0.30355194852672374
Accuracy -0.2974698911263128
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.17207547169811324
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.16564102564102562
Accuracy -0.16564102564102562
Accuracy -0.0
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.33086311013245256
Accuracy -0.33086311013245256
Accuracy -0.33086311013245256
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.30355194852672374
Accuracy -0.30355194852672374
Accuracy -0.2974698911263128
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.0
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
```

```
Accuracy -0.2579045792375929
Accuracy -0.33086311013245256
Accuracy -0.33086311013245256
Accuracy -0.33086311013245256
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.30355194852672374
Accuracy -0.30355194852672374
Accuracy -0.2974698911263128
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33265710244493835
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.3126120455778622
Accuracy -0.3126120455778622
Accuracy -0.3361659302896416
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.3408936908096572
Accuracy -0.3241291551835596
Accuracy -0.3241291551835596
Accuracy -0.32148339060710196
Accuracy -0.32148339060710196
Accuracy -0.32148339060710196
```

```
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18940809968847352
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.3408936908096572
Accuracy -0.3323657435482784
Accuracy -0.3241291551835596
Accuracy -0.318546882670594
Accuracy -0.32148339060710196
Accuracy -0.32148339060710196
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1737142857142857
Accuracy -0.1737142857142857
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.3408936908096572
Accuracy -0.3323657435482784
Accuracy -0.3323657435482784
Accuracy -0.318546882670594
Accuracy -0.32148339060710196
Accuracy -0.32148339060710196
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1737142857142857
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
```

```
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.3408936908096572
Accuracy -0.3323657435482784
Accuracy -0.3323657435482784
Accuracy -0.318546882670594
Accuracy -0.32148339060710196
Accuracy -0.32148339060710196
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1737142857142857
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.2579045792375929
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.3408936908096572
Accuracy -0.3323657435482784
Accuracy -0.3323657435482784
Accuracy -0.3241291551835596
Accuracy -0.32148339060710196
Accuracy -0.32148339060710196
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1737142857142857
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.18934053346424481
Accuracy -0.26832247106687207
Accuracy -0.3379173207744636
```

```
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.33939105739383135
Accuracy -0.33086311013245256
Accuracy -0.33086311013245256
Accuracy -0.3226925409338994
Accuracy -0.32
Accuracy -0.32
Accuracy -0.12657294028722602
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1737142857142857
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.19773029211684676
Accuracy -0.4389059829059829
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33122048819527816
Accuracy -0.3285279472613788
Accuracy -0.3285279472613788
Accuracy -0.13646578140960164
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.19773029211684676
Accuracy -0.4389059829059829
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33122048819527816
Accuracy -0.3285279472613788
Accuracy -0.3285279472613788
Accuracy -0.13646578140960164
Accuracy -0.18593272171253825
```

```
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.4389059829059829
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33122048819527816
Accuracy -0.3256510685082114
Accuracy -0.3285279472613788
Accuracy -0.13646578140960164
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.4389059829059829
Accuracy -0.39802540138988735
Accuracy -0.3379173207744636
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33122048819527816
Accuracy -0.3256510685082114
Accuracy -0.3285279472613788
Accuracy -0.3285279472613788
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
```

```
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.36649808429118774
Accuracy -0.39802540138988735
Accuracy -0.3379173207744636
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.3242557823129252
Accuracy -0.3285279472613788
Accuracy -0.3285279472613788
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1876543209876543
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.3655959595959596
Accuracy -0.32471537807986406
Accuracy -0.3379173207744636
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33122048819527816
Accuracy -0.3242557823129252
Accuracy -0.3285279472613788
Accuracy -0.17777777777777773
Accuracy -0.1842424242424242
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1876543209876543
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.3466285325161729
Accuracy -0.33491966817179464
Accuracy -0.27481158755637086
```

```
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.33939105739383135
Accuracy -0.3242557823129252
Accuracy -0.3285279472613788
Accuracy -0.17777777777777773
Accuracy -0.18258258258258261
Accuracy -0.18258258258258261
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.3466285325161729
Accuracy -0.33491966817179464
Accuracy -0.33491966817179464
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.3228881255472486
Accuracy -0.3270748299319728
Accuracy -0.13646578140960164
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.27481158755637086
Accuracy -0.33491966817179464
Accuracy -0.33491966817179464
Accuracy -0.39802540138988735
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.3379173207744636
Accuracy -0.3228881255472486
Accuracy -0.3228881255472486
Accuracy -0.13646578140960164
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
```

```
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.27481158755637086
Accuracy -0.33491966817179464
Accuracy -0.33491966817179464
Accuracy -0.3965797359442219
Accuracy -0.3364716553287982
Accuracy -0.3364716553287982
Accuracy -0.3364716553287982
Accuracy -0.3364716553287982
Accuracy -0.3228881255472486
Accuracy -0.3228881255472486
Accuracy -0.13646578140960164
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18258258258258261
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.27481158755637086
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.3965797359442219
Accuracy -0.3364716553287982
Accuracy -0.3364716553287982
Accuracy -0.3364716553287982
Accuracy -0.3364716553287982
Accuracy -0.3228881255472486
Accuracy -0.3228881255472486
Accuracy -0.13646578140960164
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18258258258258261
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
```

```
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.27481158755637086
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39516134720507845
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.32154728558089907
Accuracy -0.32154728558089907
Accuracy -0.14567790262172287
Accuracy -0.1850434782608696
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.1978684807256236
Accuracy -0.27481158755637086
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39516134720507845
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.3298117693679414
Accuracy -0.3298117693679414
Accuracy -0.16240282171557396
Accuracy -0.1850434782608696
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39516134720507845
Accuracy -0.33505326658965473
```

```
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.3298117693679414
Accuracy -0.3298117693679414
Accuracy -0.16240282171557396
Accuracy -0.1850434782608696
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39516134720507845
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.3298117693679414
Accuracy -0.3298117693679414
Accuracy -0.16240282171557396
Accuracy -0.1850434782608696
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39516134720507845
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.3298117693679414
Accuracy -0.16240282171557396
Accuracy -0.1850434782608696
Accuracy -0.17777777777777773
Accuracy -0.17777777777777773
Accuracy -0.18593272171253825
```

```
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39516134720507845
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.3298117693679414
Accuracy -0.16240282171557396
Accuracy -0.19751412429378534
Accuracy -0.1850434782608696
Accuracy -0.17777777777777773
Accuracy -0.18095238095238095
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39516134720507845
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.33505326658965473
Accuracy -0.3298117693679414
Accuracy -0.1804750957854406
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.17777777777777773
Accuracy -0.18095238095238095
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
```

```
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28370486656200944
Accuracy -0.33491966817179464
Accuracy -0.39376947040498445
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3265501165501165
Accuracy -0.1804750957854406
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.1850434782608696
Accuracy -0.18095238095238095
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28370486656200944
Accuracy -0.3809722480908922
Accuracy -0.39376947040498445
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3265501165501165
Accuracy -0.1804750957854406
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.1850434782608696
Accuracy -0.18095238095238095
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.20906818541370037
Accuracy -0.28478911564625853
Accuracy -0.3809722480908922
Accuracy -0.39376947040498445
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
```

```
Accuracy -0.3317813650523931
Accuracy -0.3317813650523931
Accuracy -0.3265501165501165
Accuracy -0.1804750957854406
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.1850434782608696
Accuracy -0.18095238095238095
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.28478911564625853
Accuracy -0.28478911564625853
Accuracy -0.39240336910118845
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3251948051948052
Accuracy -0.1804750957854406
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.18095238095238095
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.27481158755637086
Accuracy -0.28478911564625853
Accuracy -0.39240336910118845
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3304152637485971
Accuracy -0.3251948051948052
Accuracy -0.1804750957854406
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.1850434782608696
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
```

```
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.28478911564625853
Accuracy -0.39240336910118845
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.33348571428571433
Accuracy -0.1892876992833114
Accuracy -0.24785426034820712
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.1850434782608696
Accuracy -0.18593272171253825
Accuracy -0.18593272171253825
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.19773029211684676
Accuracy -0.28478911564625853
Accuracy -0.39240336910118845
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3400722741433022
Accuracy -0.1892876992833114
Accuracy -0.24785426034820712
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.1850434782608696
Accuracy -0.17777777777777773
Accuracy -0.18258258258258261
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
```

```
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.28290909090909094
Accuracy -0.39240336910118845
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3387061728395062
Accuracy -0.3400722741433022
Accuracy -0.19795785229979843
Accuracy -0.1892876992833114
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19218390804597704
Accuracy -0.19218390804597704
Accuracy -0.1850434782608696
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.28290909090909094
Accuracy -0.43462184873949583
Accuracy -0.34641712538226305
Accuracy -0.34641712538226305
Accuracy -0.34641712538226305
Accuracy -0.34641712538226305
Accuracy -0.34641712538226305
Accuracy -0.34641712538226305
Accuracy -0.1853615520282187
Accuracy -0.1892876992833114
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19218390804597704
Accuracy -0.19218390804597704
Accuracy -0.1850434782608696
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.2729315628192033
Accuracy -0.23617224880382773
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
```

```
Accuracy -0.35454385805553035
Accuracy -0.1853615520282187
Accuracy -0.1892876992833114
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19218390804597704
Accuracy -0.19218390804597704
Accuracy -0.1850434782608696
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.2729315628192033
Accuracy -0.23617224880382773
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.35454385805553035
Accuracy -0.3495908836166636
Accuracy -0.1892876992833114
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19218390804597704
Accuracy -0.19218390804597704
Accuracy -0.1850434782608696
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.1842424242424242
Accuracy -0.2729315628192033
Accuracy -0.23617224880382773
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.3481990068165695
Accuracy -0.1892876992833114
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19218390804597704
Accuracy -0.19218390804597704
Accuracy -0.1850434782608696
Accuracy -0.433785663877407
Accuracy -0.433785663877407
```

Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.45558358817533134
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.34899494897433253
Accuracy -0.34899494897433253
Accuracy -0.24501560283687945
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.3481990068165695
Accuracy -0.19370546405806716
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19218390804597704
Accuracy -0.19218390804597704
Accuracy -0.1850434782608696
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.45558358817533134
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.40606338615512927
Accuracy -0.3589724770642202
Accuracy -0.29120000000000007
Accuracy -0.2706525836622924
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.3481990068165695
Accuracy -0.19370546405806716
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.45558358817533134
Accuracy -0.45127355233303734
Accuracy -0.433785663877407

```
Accuracy -0.40606338615512927
Accuracy -0.3578882279799711
Accuracy -0.290115750915751
Accuracy -0.3140225470322558
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.3481990068165695
Accuracy -0.19370546405806716
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.45558358817533134
Accuracy -0.45127355233303734
Accuracy -0.433785663877407
Accuracy -0.40606338615512927
Accuracy -0.3578882279799711
Accuracy -0.3578882279799711
Accuracy -0.3140225470322558
Accuracy -0.4296358456358456
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.3481990068165695
Accuracy -0.3481990068165695
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.45558358817533134
Accuracy -0.45127355233303734
Accuracy -0.433785663877407
Accuracy -0.4155118029069168
Accuracy -0.3568275495279883
Accuracy -0.3568275495279883
Accuracy -0.312961868580273
Accuracy -0.3736727362814319
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
Accuracy -0.35314491449144914
```

```
Accuracy -0.3481990068165695
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.433785663877407
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.46374223651439195
Accuracy -0.46374223651439195
Accuracy -0.433785663877407
Accuracy -0.4155118029069168
Accuracy -0.36639900036171125
Accuracy -0.36639900036171125
Accuracy -0.3225333194139959
Accuracy -0.38324418711515484
Accuracy -0.30675325597075837
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3622692614088995
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.46374223651439195
Accuracy -0.46374223651439195
Accuracy -0.433785663877407
Accuracy -0.424750254841998
Accuracy -0.36639900036171125
Accuracy -0.36639900036171125
Accuracy -0.3225333194139959
Accuracy -0.38324418711515484
Accuracy -0.30675325597075837
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3622692614088995
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
```

```
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.46374223651439195
Accuracy -0.46374223651439195
Accuracy -0.4426246509772636
Accuracy -0.433785663877407
Accuracy -0.36639900036171125
Accuracy -0.36639900036171125
Accuracy -0.36639900036171125
Accuracy -0.38324418711515484
Accuracy -0.30675325597075837
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.362269261408899 5
Accuracy -0.24734577412543515
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.46374223651439195
Accuracy -0.46374223651439195
Accuracy -0.4426246509772636
Accuracy -0.433785663877407
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3926119900587985
Accuracy -0.31612105891440206
Accuracy -0.31612105891440206
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3664863965388135
Accuracy -0.3622692614088995
Accuracy -0.3622692614088995
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.46374223651439195
Accuracy -0.46374223651439195
Accuracy -0.4426246509772636
Accuracy -0.433785663877407
Accuracy -0.3757668033053549
```

```
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3926119900587985
Accuracy -0.3240884438881936
Accuracy -0.3240884438881936
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.370236646382691
Accuracy -0.24684745762711865
Accuracy -0.19751412429378534
Accuracy -0.19920227920227923
Accuracy -0.19920227920227923
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.48953139962314274
Accuracy -0.494761255942108
Accuracy -0.4795650696568128
Accuracy -0.4795650696568128
Accuracy -0.4426246509772636
Accuracy -0.433785663877407
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3926119900587985
Accuracy -0.3240884438881936
Accuracy -0.3240884438881936
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.370236646382691
Accuracy -0.24684745762711865
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.48953139962314274
Accuracy -0.494761255942108
Accuracy -0.4795650696568128
Accuracy -0.4795650696568128
Accuracy -0.4426246509772636
Accuracy -0.433785663877407
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3926119900587985
Accuracy -0.3240884438881936
Accuracy -0.3240884438881936
Accuracy -0.3812941176470588
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.370236646382691
```

```
Accuracy -0.24684745762711865
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.48953139962314274
Accuracy -0.494761255942108
Accuracy -0.4795650696568128
Accuracy -0.4795650696568128
Accuracy -0.4426246509772636
Accuracy -0.433785663877407
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.40498480243161095
Accuracy -0.3240884438881936
Accuracy -0.3240884438881936
Accuracy -0.3812941176470588
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.370236646382691
Accuracy -0.24684745762711865
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.45127355233303734
Accuracy -0.48953139962314274
Accuracy -0.494761255942108
Accuracy -0.494761255942108
Accuracy -0.4795650696568128
Accuracy -0.4680251086431675
Accuracy -0.4426246509772636
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3757668033053549
Accuracy -0.3976354445435623
Accuracy -0.32287306501547985
Accuracy -0.32287306501547985
Accuracy -0.3812941176470588
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.370236646382691
Accuracy -0.24684745762711865
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.19751412429378534
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
Accuracy -0.4426246509772636
```

```
Accuracy -0.45127355233303734
Accuracy -0.48953139962314274
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.4546294999296216
Accuracy -0.37986712040187975
Accuracy -0.37986712040187975
Accuracy -0.3812941176470588
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.3688553712083124
Accuracy -0.25370308123249297
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.19751412429378534
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.48953139962314274
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.4546294999296216
Accuracy -0.37986712040187975
Accuracy -0.37986712040187975
Accuracy -0.41889719626168226
Accuracy -0.41205686012722853
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.3688553712083124
Accuracy -0.25370308123249297
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.19751412429378534
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.4872391437308869
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
```

Accuracy -0.45462949992996216
Accuracy -0.37986712040187975
Accuracy -0.37986712040187975
Accuracy -0.4174701990165031
Accuracy -0.41889719626168226
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.3688553712083124
Accuracy -0.25370308123249297
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.19751412429378534
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.494761255942108
Accuracy -0.5046232707150138
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.45462949992996216
Accuracy -0.37986712040187975
Accuracy -0.37986712040187975
Accuracy -0.4174701990165031
Accuracy -0.41889719626168226
Accuracy -0.37445378151260506
Accuracy -0.37445378151260506
Accuracy -0.3688553712083124
Accuracy -0.25370308123249297
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.19751412429378534
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.494761255942108
Accuracy -0.5046232707150138
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.45462949992996216
Accuracy -0.37986712040187975
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.41889719626168226
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.25321463238760844
Accuracy -0.25321463238760844

```
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.494761255942108
Accuracy -0.5046232707150138
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.4469870627247676
Accuracy -0.37986712040187975
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.41889719626168226
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3822664599820511
Accuracy -0.25321463238760844
Accuracy -0.25321463238760844
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.494761255942108
Accuracy -0.5046232707150138
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.4469870627247676
Accuracy -0.37986712040187975
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.41889719626168226
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.25321463238760844
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.4924626731426516
```

```
Accuracy -0.5046232707150138
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.4469870627247676
Accuracy -0.37986712040187975
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.41889719626168226
Accuracy -0.41205686012722853
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.20148083242059148
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.4924626731426516
Accuracy -0.5046232707150138
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4469870627247676
Accuracy -0.37986712040187975
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.20148083242059148
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.4924626731426516
Accuracy -0.5046232707150138
Accuracy -0.49978801104480275
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4469870627247676
Accuracy -0.37986712040187975
```

```
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.20148083242059148
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.49978801104480275
Accuracy -0.5116265651145346
Accuracy -0.5116265651145346
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.45462949992996216
Accuracy -0.37986712040187975
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.20148083242059148
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.45763914373088693
Accuracy -0.5069724770642203
Accuracy -0.5116265651145346
Accuracy -0.5116265651145346
Accuracy -0.49978801104480275
Accuracy -0.48953139962314274
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.45462949992996216
Accuracy -0.37986712040187975
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3822664599820511
Accuracy -0.20148083242059148
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
```

```
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.45763914373088693
Accuracy -0.5140200961118392
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.4872391437308869
Accuracy -0.44924198061031945
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3822664599820511
Accuracy -0.25321463238760844
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.45763914373088693
Accuracy -0.5140200961118392
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.4872391437308869
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3822664599820511
Accuracy -0.25321463238760844
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.45763914373088693
Accuracy -0.5140200961118392
Accuracy -0.518498956814999
Accuracy -0.518498956814999
```

```
Accuracy -0.518498956814999
Accuracy -0.4872391437308869
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3822664599820511
Accuracy -0.25321463238760844
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5140200961118392
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.4872391437308869
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.38767979887132575
Accuracy -0.4174701990165031
Accuracy -0.4174701990165031
Accuracy -0.41205686012722853
Accuracy -0.3822664599820511
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5069724770642203
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.5021358757570307
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
```

```
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.3766680496777584
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5069724770642203
Accuracy -0.5069724770642203
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.5021358757570307
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.38767979887132575
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3766680496777584
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5069724770642203
Accuracy -0.5069724770642203
Accuracy -0.518498956814999
Accuracy -0.518498956814999
Accuracy -0.5021358757570307
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.38767979887132575
Accuracy -0.45462949992996216
Accuracy -0.38767979887132575
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3766680496777584
Accuracy -0.20436974789915965
Accuracy -0.20436974789915965
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
```

```
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5069724770642203
Accuracy -0.5069724770642203
Accuracy -0.518498956814999
Accuracy -0.5021358757570307
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.38767979887132575
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.20266666666666666
Accuracy -0.20266666666666666
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5069724770642203
Accuracy -0.5069724770642203
Accuracy -0.518498956814999
Accuracy -0.5021358757570307
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.38767979887132575
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.20936639118457304
Accuracy -0.20266666666666666
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5069724770642203
Accuracy -0.5069724770642203
Accuracy -0.518498956814999
Accuracy -0.5021358757570307
```

```
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.38767979887132575
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4245730027548209
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.20936639118457304
Accuracy -0.20266666666666666
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.44924198061031945
Accuracy -0.5069724770642203
Accuracy -0.5069724770642203
Accuracy -0.518498956814999
Accuracy -0.5021358757570307
Accuracy -0.4872391437308869
Accuracy -0.45127355233303734
Accuracy -0.45127355233303734
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.38627619502360866
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.38627619502360866
Accuracy -0.4231693989071038
Accuracy -0.4231693989071038
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.20936639118457304
Accuracy -0.20266666666666666
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.5046060606060606
Accuracy -0.5161325403568394
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44890713587487774
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.38627619502360866
Accuracy -0.4231693989071038
```

```
Accuracy -0.4231693989071038
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.20936639118457304
Accuracy -0.20266666666666666
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.5046060606060606
Accuracy -0.5161325403568394
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44890713587487774
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.38627619502360866
Accuracy -0.4231693989071038
Accuracy -0.4231693989071038
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.20936639118457304
Accuracy -0.20936639118457304
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.5046060606060606
Accuracy -0.5161325403568394
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44488676236044655
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.38627619502360866
Accuracy -0.4231693989071038
Accuracy -0.4231693989071038
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.3822664599820511
Accuracy -0.20936639118457304
Accuracy -0.20936639118457304
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
```

```
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44488676236044655
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4482131837307152
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4231693989071038
Accuracy -0.4231693989071038
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.24695369277187462
Accuracy -0.24695369277187462
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.44687556415215984
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.4826258625862586
Accuracy -0.4826258625862586
Accuracy -0.44488676236044655
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4231693989071038
Accuracy -0.4231693989071038
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.24695369277187462
Accuracy -0.24695369277187462
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.4552727272727272
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.4826258625862586
Accuracy -0.4826258625862586
```

```
Accuracy -0.44488676236044655
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4231693989071038
Accuracy -0.4231693989071038
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.4191596638655462
Accuracy -0.2559072716877177
Accuracy -0.2559072716877177
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.4826258625862586
Accuracy -0.4826258625862586
Accuracy -0.44488676236044655
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.4315454798190411
Accuracy -0.42613214092976637
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.44488676236044655
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4291790633608815
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.4315454798190411
```

```
Accuracy -0.42613214092976637
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.4277754595131645
Accuracy -0.4277754595131645
Accuracy -0.4277754595131645
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.42613214092976637
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44890713587487774
Accuracy -0.4277754595131645
Accuracy -0.4277754595131645
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.42613214092976637
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
```

```
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44890713587487774
Accuracy -0.4277754595131645
Accuracy -0.4277754595131645
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.42613214092976637
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44890713587487774
Accuracy -0.4277754595131645
Accuracy -0.4277754595131645
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.42613214092976637
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.4634949494949495
Accuracy -0.5116536796536796
Accuracy -0.5228776655443321
Accuracy -0.5228776655443321
Accuracy -0.49742159458664315
Accuracy -0.4826258625862586
Accuracy -0.4693679653679653
Accuracy -0.44890713587487774
```

```
Accuracy -0.4277754595131645
Accuracy -0.4277754595131645
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.42613214092976637
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.5184590304590305
Accuracy -0.5296830163496831
Accuracy -0.5296830163496831
Accuracy -0.5042269453919941
Accuracy -0.4894312133916095
Accuracy -0.47617331617331626
Accuracy -0.4557124866802287
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.5184590304590305
Accuracy -0.5296830163496831
Accuracy -0.5296830163496831
Accuracy -0.5042269453919941
Accuracy -0.4894312133916095
Accuracy -0.47617331617331626
Accuracy -0.4557124866802287
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.45788526434195725
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.42613214092976637
```

```
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.5184590304590305
Accuracy -0.5296830163496831
Accuracy -0.5296830163496831
Accuracy -0.5042269453919941
Accuracy -0.4894312133916095
Accuracy -0.47617331617331626
Accuracy -0.4557124866802287
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.45788526434195725
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.5184590304590305
Accuracy -0.5296830163496831
Accuracy -0.5296830163496831
Accuracy -0.5042269453919941
Accuracy -0.4894312133916095
Accuracy -0.47617331617331626
Accuracy -0.4557124866802287
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.45788526434195725
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.4482131837307152
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.42613214092976637
Accuracy -0.2554723101876883
Accuracy -0.2554723101876883
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
```

```
Accuracy -0.4703003003003004
Accuracy -0.5184590304590305
Accuracy -0.5296830163496831
Accuracy -0.5296830163496831
Accuracy -0.5042269453919941
Accuracy -0.4894312133916095
Accuracy -0.47617331617331626
Accuracy -0.4557124866802287
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.45788526434195725
Accuracy -0.45788526434195725
Accuracy -0.4469870627247676
Accuracy -0.4482131837307152
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
Accuracy -0.25375619222715895
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.4703003003003004
Accuracy -0.5184590304590305
Accuracy -0.5296830163496831
Accuracy -0.5296830163496831
Accuracy -0.5042269453919941
Accuracy -0.4894312133916095
Accuracy -0.47617331617331626
Accuracy -0.4536809149575108
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.4345808103185153
Accuracy -0.44974474474474485
Accuracy -0.44974474474474485
Accuracy -0.4482131837307152
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
Accuracy -0.25375619222715895
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5308652828652828
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.4964102564102564
Accuracy -0.47242877492877483
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
```

```
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.44974474474474485
Accuracy -0.4482131837307152
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
Accuracy -0.25375619222715895
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4964102564102564
Accuracy -0.47242877492877483
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.44974474474474485
Accuracy -0.44974474474474485
Accuracy -0.430141875971324
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
Accuracy -0.25375619222715895
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4964102564102564
Accuracy -0.47242877492877483
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.44974474474474485
Accuracy -0.44974474474474485
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
```

```
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4964102564102564
Accuracy -0.47242877492877483
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.45788526434195725
Accuracy -0.44974474474474485
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.47242877492877483
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.44974474474474485
Accuracy -0.43535957383841367
Accuracy -0.430141875971324
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
```

```
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.47242877492877483
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.44974474474474485
Accuracy -0.43535957383841367
Accuracy -0.43535957383841367
Accuracy -0.43297247706422015
Accuracy -0.43297247706422015
Accuracy -0.25375619222715895
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.47242877492877483
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4415052854122622
Accuracy -0.4415052854122622
Accuracy -0.43535957383841367
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.26030646100853533
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.4885795685795685
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
```

```
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4415052854122622
Accuracy -0.45788526434195725
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.4885795685795685
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4415052854122622
Accuracy -0.45788526434195725
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.45788526434195725
Accuracy -0.45788526434195725
Accuracy -0.430141875971324
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
```

```
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4964102564102564
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.5116064426955516
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.45788526434195725
Accuracy -0.4467625033109394
Accuracy -0.4315454798190411
Accuracy -0.4315454798190411
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.4827065527065527
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5093078598960952
Accuracy -0.5116064426955516
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4443960868527798
Accuracy -0.4291790633608815
Accuracy -0.4315454798190411
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
```

```
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5116064426955516
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4443960868527798
Accuracy -0.4277754595131645
Accuracy -0.4315454798190411
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5116064426955516
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4443960868527798
Accuracy -0.43299315738025407
Accuracy -0.4315454798190411
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5116064426955516
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
```

```
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.45788526434195725
Accuracy -0.43299315738025407
Accuracy -0.4315454798190411
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5308652828652828
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5116064426955516
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4491323687783864
Accuracy -0.4440803121134265
Accuracy -0.4291790633608815
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5357428693060876
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5126346630606265
Accuracy -0.5126346630606265
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.44032
Accuracy -0.4491323687783864
Accuracy -0.4277754595131645
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
```

```
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5357428693060876
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.44032
Accuracy -0.4491323687783864
Accuracy -0.4277754595131645
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5357428693060876
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4388626142463369
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5357428693060876
Accuracy -0.5102867983483986
```

```
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4365027322404372
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5357428693060876
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4365027322404372
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5245188834154351
Accuracy -0.5357428693060876
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.5102867983483986
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
```

```
Accuracy -0.43925988225399504
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4365027322404372
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5380976918947933
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
```

```
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5380976918947933
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5380976918947933
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5380976918947933
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
```

```
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5380976918947933
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5380976918947933
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
```

```
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5380976918947933
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
```

```
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
```

```
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
```

```
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
```

```
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5198260869565218
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5198260869565218
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
```

```
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5198260869565218
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5198260869565218
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
```

```
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5000927536231884
Accuracy -0.5000927536231884
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
```

```
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
```

```
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5268737060041407
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
```

```
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.512641620937104З
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.512641620937104З
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
```

```
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
```

```
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
```

```
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5244801750068362
Accuracy -0.5126416209371043
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.4482131837307152
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.5102867983483986
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
Accuracy -0.528997744118595
```

```
Accuracy -0.528997744118595
Accuracy -0.5102867983483986
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.43925988225399504
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
```

```
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
```

```
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5093078598960952
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
```

```
Accuracy -0.5093078598960952
Accuracy -0.5093078598960952
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5093078598960952
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5093078598960952
Accuracy -0.5093078598960952
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
```

```
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5093078598960952
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5093078598960952
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
```

```
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5353441435684426
Accuracy -0.5093078598960952
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
```

```
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
```

```
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
```

```
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5116064426955516
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5116064426955516
```

```
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
```

```
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
```

```
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
```

```
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5420892687559353
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5166331977982463
Accuracy -0.5040843304843304
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.4469870627247676
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
```

```
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5228720311557239
Accuracy -0.5228720311557239
Accuracy -0.5228720311557239
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
```

```
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
```

```
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.51032316384180
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.51032316384180
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
Accuracy -0.548328102113412
```

```
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.4546294999299621б
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
```

```
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
```

```
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.4546294999299621 6
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.510323163841808
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
```

```
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5205693176879618
Accuracy -0.5080762991553393
Accuracy -0.5080762991553393
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5080762991553393
Accuracy -0.5080762991553393
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
```

```
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5080762991553393
Accuracy -0.5080762991553393
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5080762991553393
Accuracy -0.5080762991553393
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5080762991553393
Accuracy -0.5080762991553393
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
```

```
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5080762991553393
Accuracy -0.5080762991553393
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5483281021134129
Accuracy -0.5205693176879618
Accuracy -0.5080762991553393
Accuracy -0.5080762991553393
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.45462949992996216
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
```

```
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5267032967032967
Accuracy -0.5142102781706742
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5267032967032967
Accuracy -0.5142102781706742
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5267032967032967
```

```
Accuracy -0.5142102781706742
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5267032967032967
Accuracy -0.5142102781706742
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5338412698412699
Accuracy -0.5194267221451686
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
```

```
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5338412698412699
Accuracy -0.5194267221451686
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5194267221451686
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
```

```
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5267032967032967
Accuracy -0.521806722689076
Accuracy -0.521806722689076
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5267032967032967
Accuracy -0.521806722689076
Accuracy -0.521806722689076
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5267032967032967
Accuracy -0.521806722689076
```

```
Accuracy -0.5216806722689076
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5338412698412699
Accuracy -0.5338412698412699
Accuracy -0.5216806722689076
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5338412698412699
Accuracy -0.5338412698412699
Accuracy -0.5216806722689076
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
```

```
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5408445642407906
Accuracy -0.5408445642407906
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.547716955941255
Accuracy -0.5408445642407906
Accuracy -0.5142102781706742
Accuracy -0.46219047619047615
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
```

```
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.547716955941255
Accuracy -0.5408445642407906
Accuracy -0.5216806722689076
Accuracy -0.5216806722689076
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.547716955941255
Accuracy -0.5408445642407906
Accuracy -0.5216806722689076
Accuracy -0.5216806722689076
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.547716955941255
Accuracy -0.5408445642407906
Accuracy -0.5216806722689076
```

```
Accuracy -0.5216806722689076
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.547716955941255
Accuracy -0.5408445642407906
Accuracy -0.5216806722689076
Accuracy -0.5216806722689076
Accuracy -0.46219047619047615
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.5544620811287476
Accuracy -0.547716955941255
Accuracy -0.5408445642407906
Accuracy -0.5216806722689076
Accuracy -0.5216806722689076
Accuracy -0.46219047619047615
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5453042575285566
Accuracy -0.5384318658280922
Accuracy -0.5192679738562092
Accuracy -0.5192679738562092
Accuracy -0.45293744164332395
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5453042575285566
Accuracy -0.5384318658280922
Accuracy -0.5192679738562092
Accuracy -0.5192679738562092
Accuracy -0.45293744164332395
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5453042575285566
Accuracy -0.5384318658280922
Accuracy -0.5192679738562092
Accuracy -0.5192679738562092
Accuracy -0.45293744164332395
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5453042575285566
Accuracy -0.5453042575285566
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5453042575285566
Accuracy -0.5453042575285566
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
```

```
Accuracy -0.552049382716049З
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.552049382716049 3
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.582334208223972
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.582334208223972
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5265933117583603
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5620837887067396
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5620837887067396
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5620837887067396
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5620837887067396
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5620837887067396
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.582334208223972
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.582334208223972
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
```

```
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.582334208223972
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
```

```
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.558670744138634
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
```

```
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
```

```
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
```

```
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5520493827160493
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5651717171717172
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
```

```
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
```

```
Accuracy -0.5580512192633403
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
```

```
Accuracy -0.558051219263340з
```

```
Accuracy -0.558051219263340З
```

```
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.558051219263340З
Accuracy -0.558051219263340З
```

```
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
Accuracy -0.558051219263340
```

```
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5580512192633403
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5711735537190082
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
```

```
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
```

```
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
```

```
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.5556486541185993
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
```

```
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
```

```
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
```

```
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
```

```
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
```

```
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.5622700155411842
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.585933479626522
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
```

```
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
```

```
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.591084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
```

```
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
```

```
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
```

```
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.591808462966519З
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
```

```
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5681449988811814
Accuracy -0.5918084629665193
```

```
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
```

```
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
```

```
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
```

```
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
```

```
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
```

```
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
```

```
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5746459719142646
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5918084629665193
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
```

```
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
```

```
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5722541544477029
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
```

```
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
```

```
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5697491039426523
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.5894166454999575
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
```

```
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
```

```
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
```

```
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.6357161981258366
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
Accuracy -0.655383739683142
```

Out[111]:

```
GridSearchCV(cv=[(slice(None, None, None), slice(None, None, None))],
             estimator=MyClassifier(),
             param_grid={'e': array([0.1  , 0.101, 0.102, 0.103, 0.104, 0.105, 0.106, 0.
107, 0.108,
       0.109, 0.11 , 0.111, 0.112, 0.113, 0.114, 0.115, 0.116, 0.117,
       0.118, 0.119, 0.12 , 0.121, 0.122, 0.123, 0.124, 0.125, 0.126,
       0.127, 0.128, 0.129, 0.13 , 0.131, 0.132, 0.133, 0.134, 0.135,
       0.136, 0.137, 0.138, 0.139, 0.1...
       0.451, 0.452, 0.453, 0.454, 0.455, 0.456, 0.457, 0.458, 0.459,
       0.46 , 0.461, 0.462, 0.463, 0.464, 0.465, 0.466, 0.467, 0.468,
       0.469, 0.47 , 0.471, 0.472, 0.473, 0.474, 0.475, 0.476, 0.477,
       0.478, 0.479, 0.48 , 0.481, 0.482, 0.483, 0.484, 0.485, 0.486,
       0.487, 0.488, 0.489, 0.49 , 0.491, 0.492, 0.493, 0.494, 0.495,
       0.496, 0.497, 0.498, 0.499]),
                         'minp': array([ 2,  3,  4,  5,  6,  7,  8,  9, 10, 11, 12, 13,
14, 15, 16, 17, 18,
       19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29])})
```

In [112…

```
print(gs.best_params_)
```

```
para=gs.best_params_
```

```
{'e': 0.4660000000000003, 'minp': 24}
```

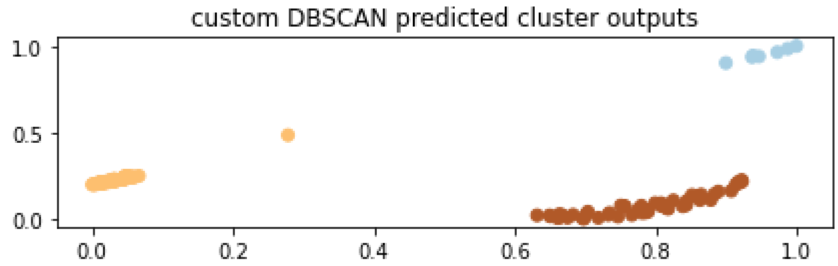
The outcome of best estimation for MyClassifier e is 0.46, and the minimum p is 24.

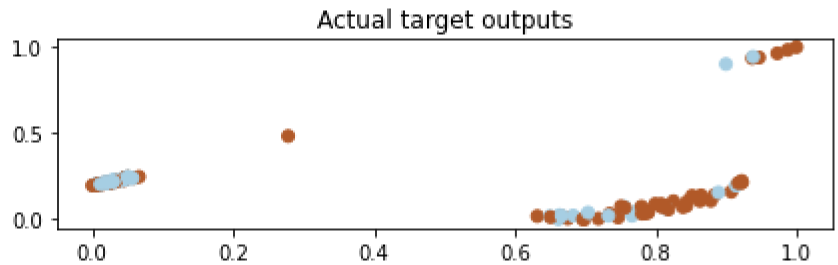
In [113…

```
e=para['e']
k=para['minp']
cluster_array=DBSCAN(normalised_distance,e,k)

print(target_data)
print(cluster_array.astype(int))

print('precision_score- '+str(precision_score(target_data,cluster_array,average='weighte
print('recall_score- '+str(recall_score(target_data,cluster_array,average='weighted',lab

plt.subplot(2, 1, 1)
plt.scatter(normalised_distance[:,0], normalised_distance[:,1],c=cluster_array, cmap='Pa
plt.title("custom DBSCAN predicted cluster outputs")

plt.subplot(2, 1, 2)
plt.scatter(normalised_distance[:,0], normalised_distance[:,1],c=target_data, cmap='Pair
plt.title("Actual target outputs")

plt.tight_layout()
plt.show()
```

```
0      0
1      0
2      0
3      0
4      1
      ..
145    1
146    0
147    1
148    0
149    0
Name: Award?, Length: 150, dtype: int64
[ 0  0  0  0  1  0  0  1  1  1  0  0  0  0  0  0  0  0  0  0  1 -1  1  1
 -1  0  1  0  1  1  0  0  0  0  0  1  1  1  0  0  1  0  1  0  0 -1  0  1
  1  1  1  0  0  1  0  0  0  1  0  1  0  0  0  0  0  1  0  0  0  0 -1  0
  1  1  0  0  0  0  0  1  0  1  0  0  0  1  0  1  1  1  1  1  0  1  1  0
  0  0  0  0  0  0  0  1  0  1 -1  0  1  1  0  1  1  0  1  0  0  1  0  0
  0  1  1  0  0 -1  1  1  0  0  0  1  0  1  0 -1  0  1  0  0  0  0  1  0
  0  1  0  1  0  0]
precision_score- 0.6858588399720474
recall_score- 0.6466666666666666
```

```
c:\Users\youyu\AppData\Local\Programs\Python\Python38\lib\site-packages\sklearn\metrics
\_classification.py:1248: UndefinedMetricWarning: Recall is ill-defined and being set to
0.0 in labels with no true samples. Use `zero_division` parameter to control this behavi
or.
  _warn_prf(average, modifier, msg_start, len(result))
```





The prediction output group number doesn't match with the actual target outoupt. It misclassified the left corner group observations. This could happen because of the wrongly normalized data. The original data did not get properly processed with correct grouping methods.

The overall precision score is 0.686 and recall score is 0.647, which is moderate.

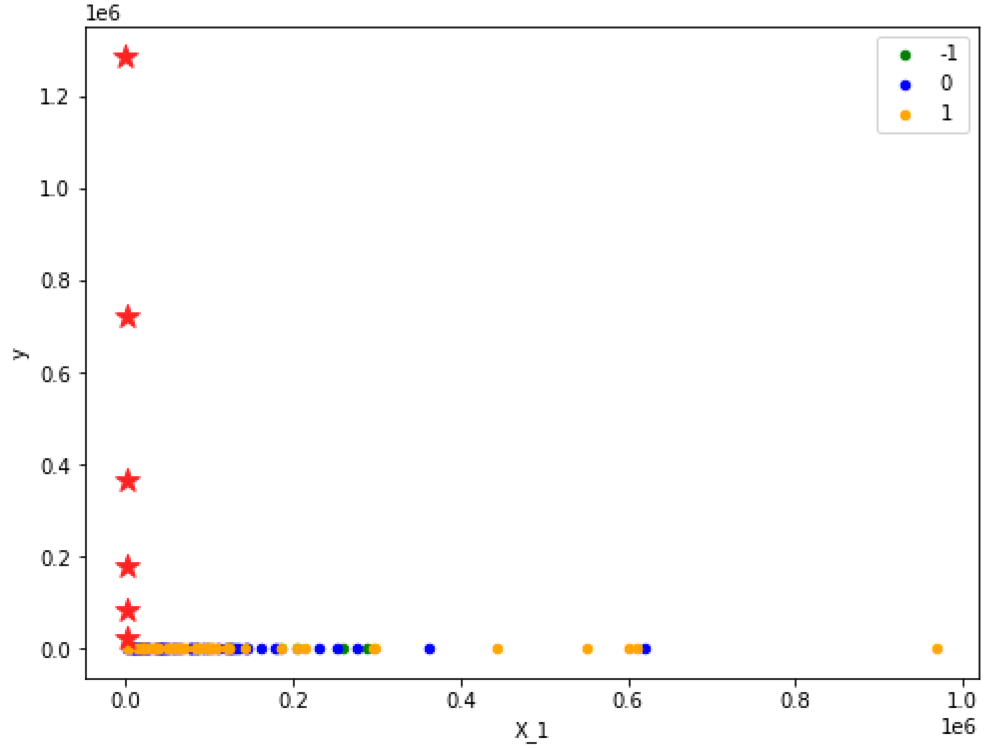
Part 4

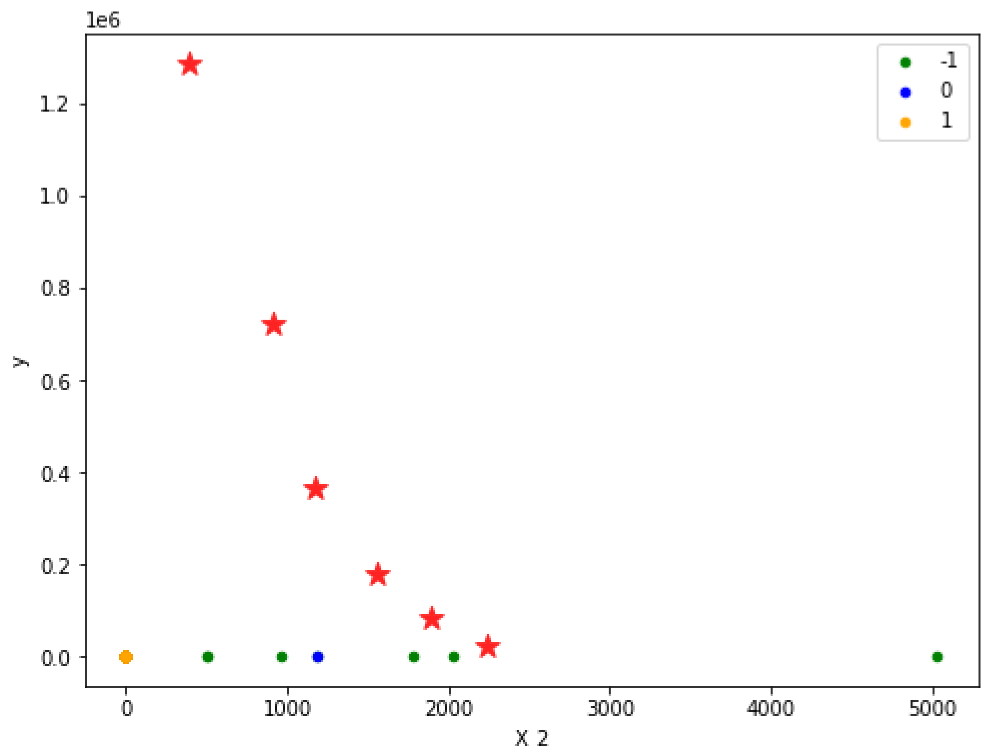
Draw the inferences from the clusters obtained.

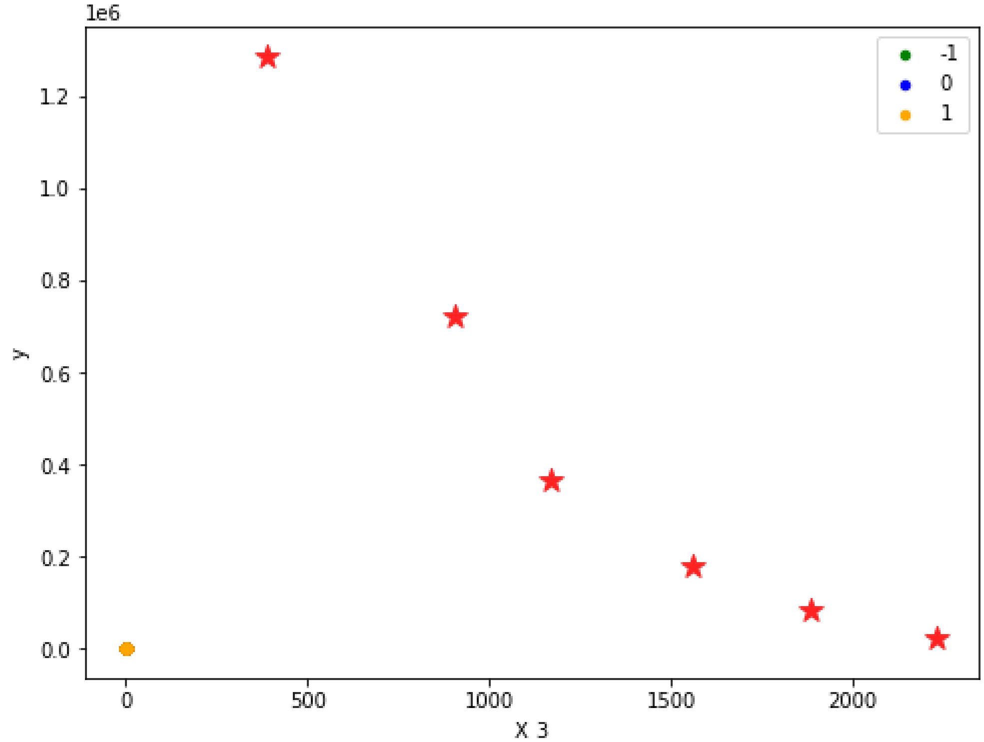
Draw the inferences based on each feature, no obvious inferences are observed based on the plots.

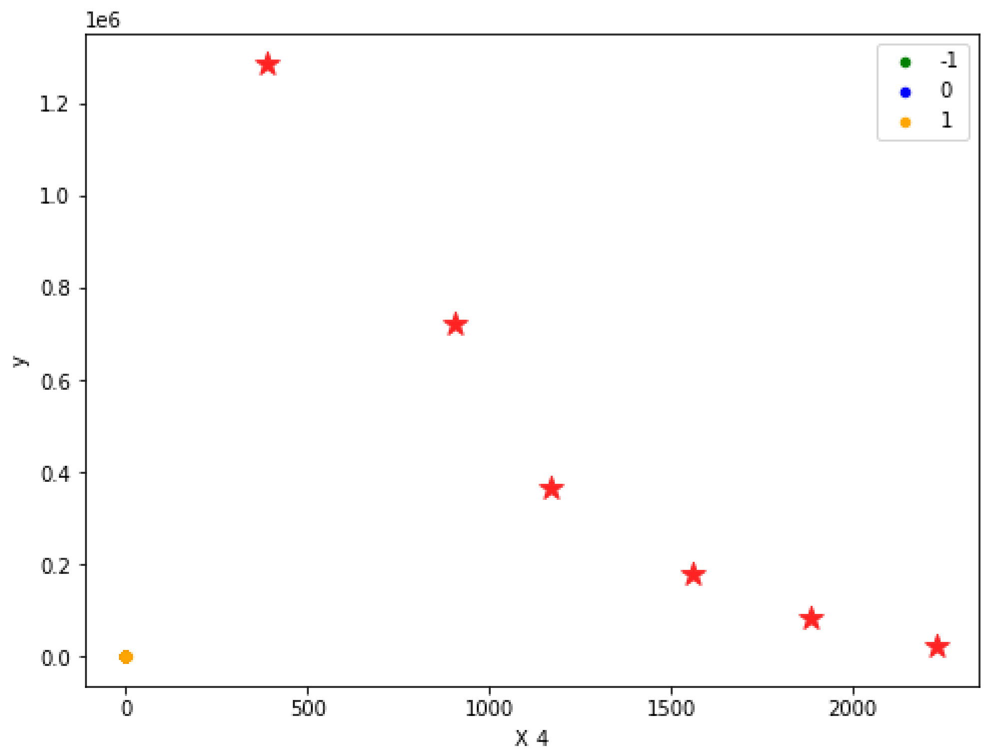
In [190…

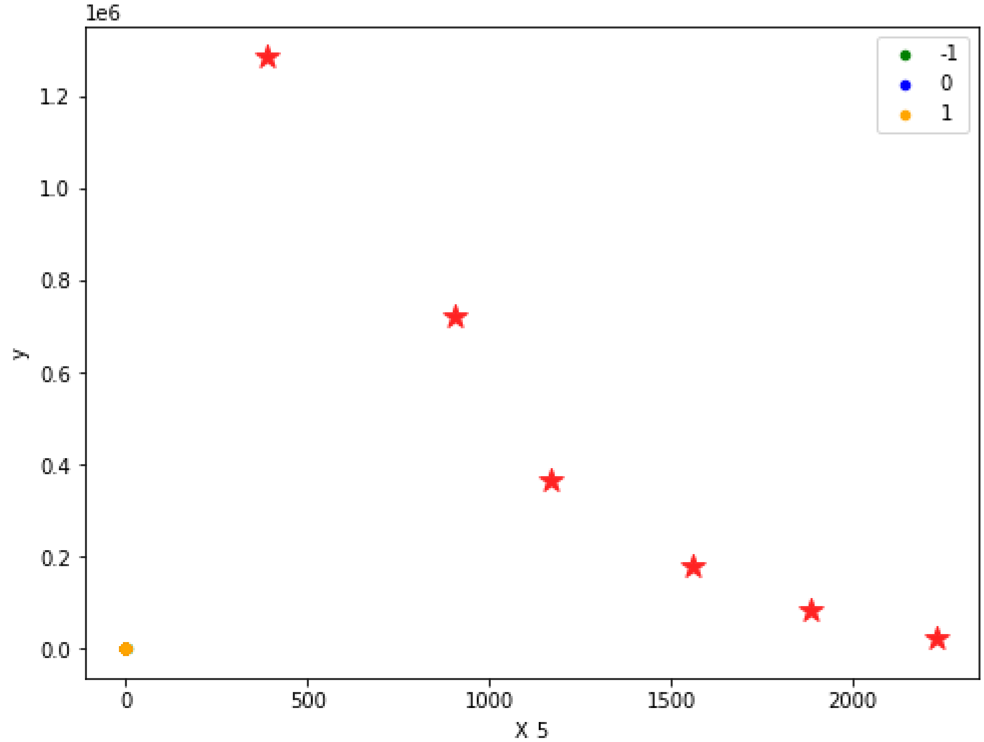
```
X = x[0:150]
cluster = cluster_array.astype(int)
cg = centroids[4][0:150]
df1 = pd.DataFrame(dict(y=y[0:150], label=cluster))
df2 = pd.DataFrame(X)
df = pd.concat([df1,df2], axis=1)
colors = {0:'blue', 1:'orange', -1:'green', 3:'black', 4:'red', 5:'pink', 6:'purple'}

for i in range(1,X.shape[1]):
    fig, ax = plt.subplots(figsize=(8,6))
    df['a'] = X[:,i]
    grouped = df.groupby('label')
    for key, group in grouped:
        group.plot(ax=ax, kind='scatter', x='a', y='y', label=key, color=colors[key])
    ax.scatter(cg[:, 0], cg[:, 1], marker='*', s=150, c='#ff2222')
    plt.xlabel(f'X_{i}')
    plt.ylabel('y')
    plt.show()
```

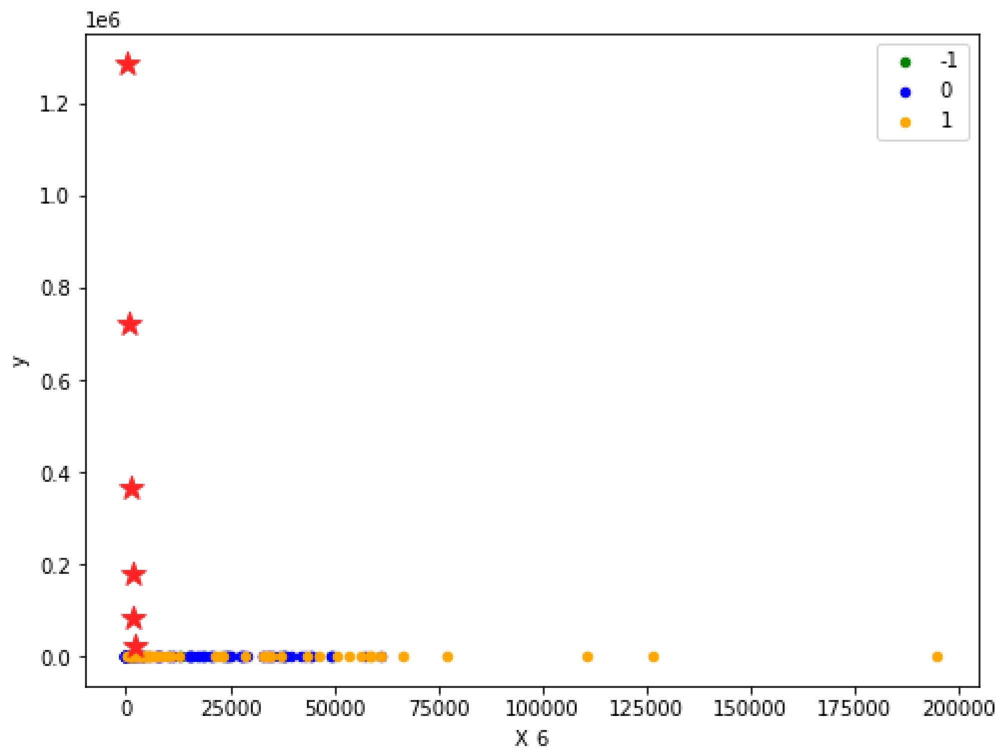

1e6
-1
0
1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
0.0
0.2
0.4
0.6
0.8
1.0
1e6
X_1

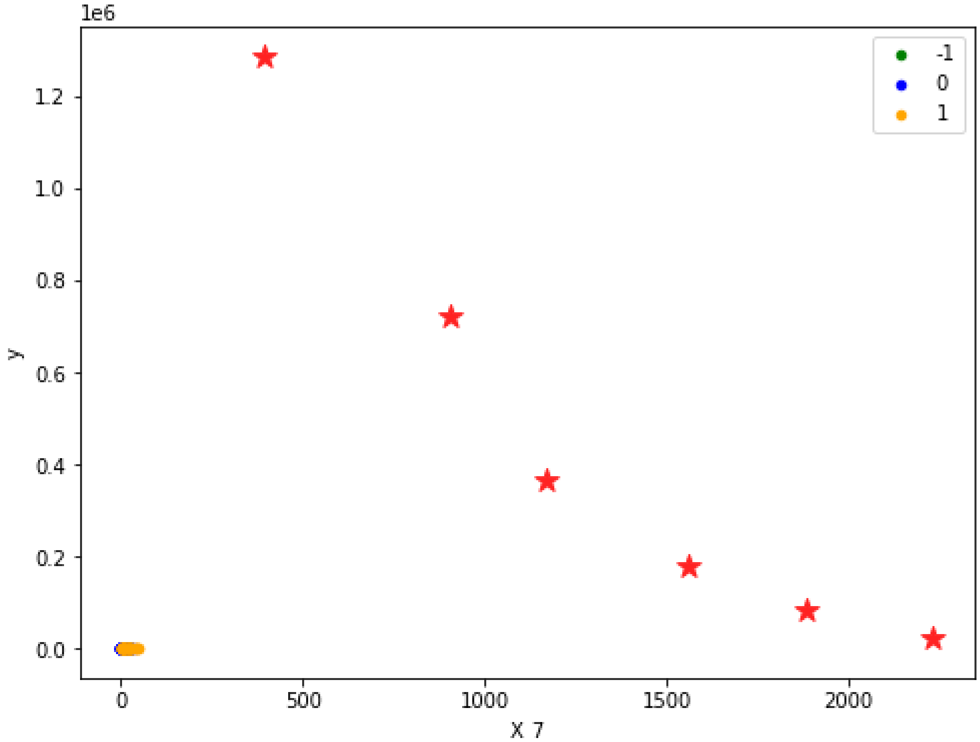

1e6
-1
0
1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
0
1000
2000
3000
4000
5000
X_2

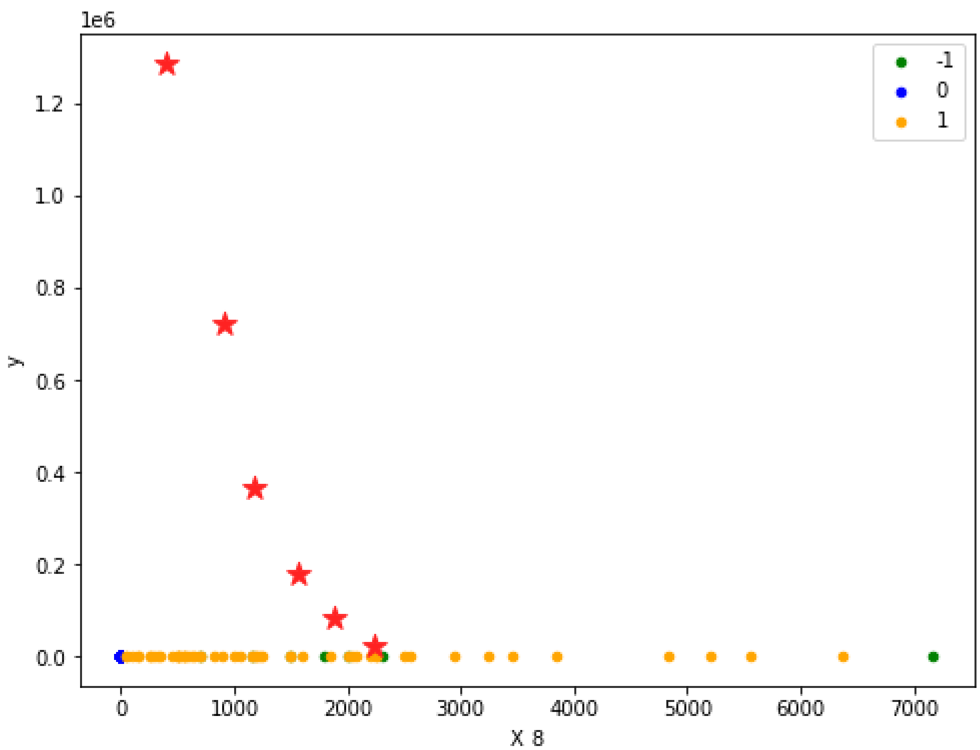

1e6
-1
0
1
y
X_3

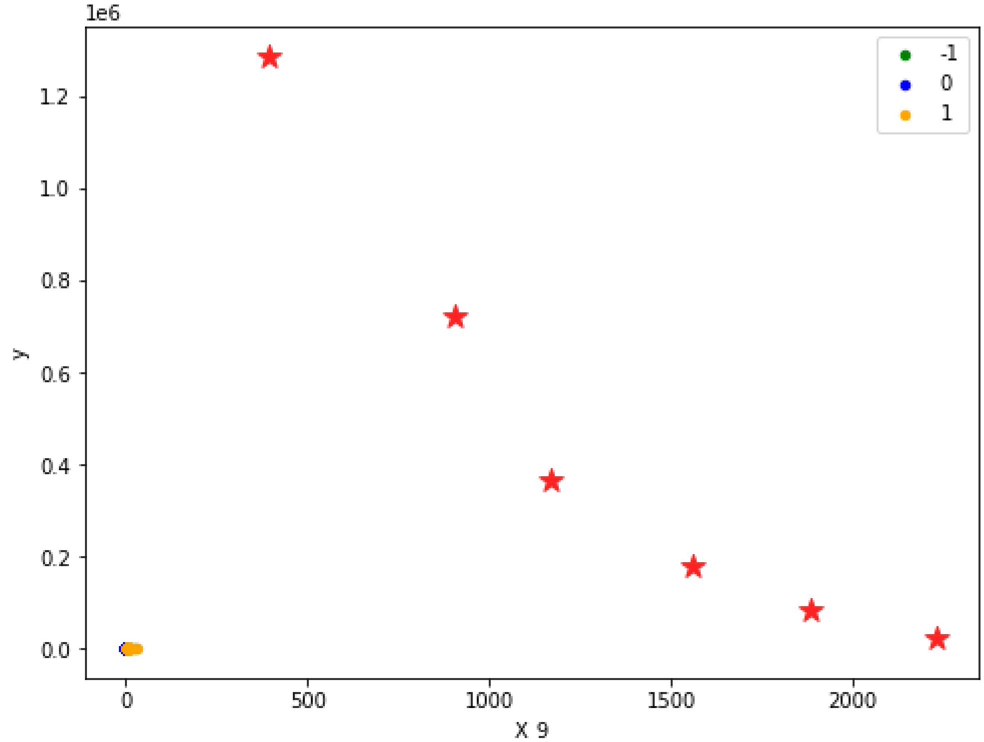

1e6
-1
0
1
y
X_4

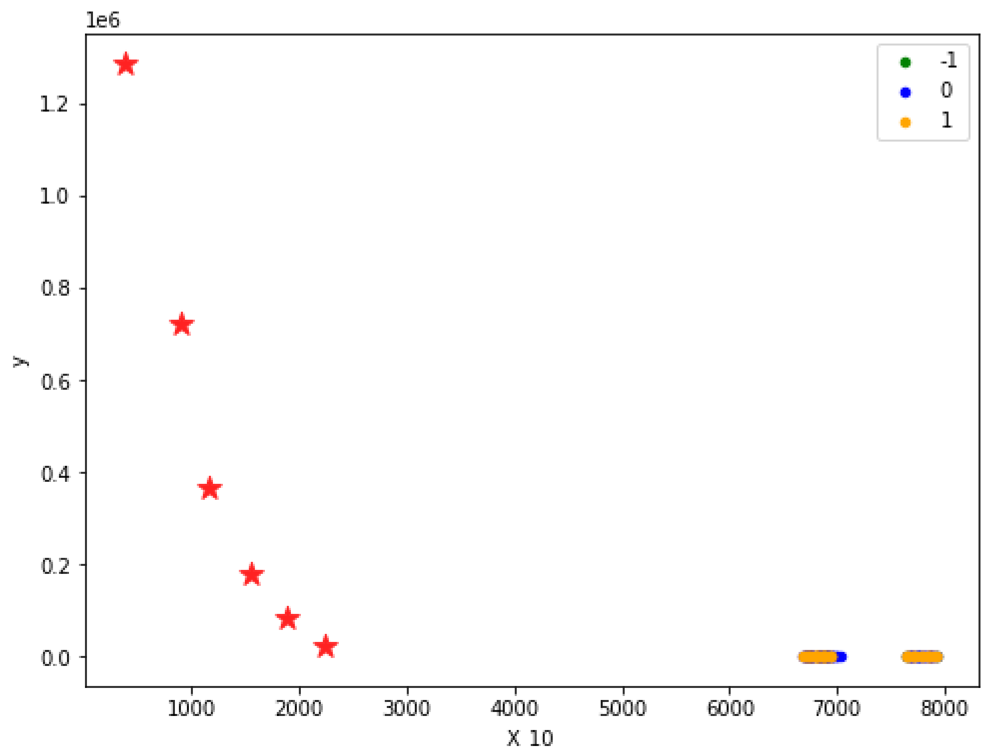

1e6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
0
500
1000
1500
2000
X_5
-1
0
1


1e6
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
0
25000
50000
75000
100000
125000
150000
175000
200000
X_6
-1
0
1


1e6
-1
0
1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
0
500
1000
1500
2000
X_7


1e6
-1
0
1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
0
1000
2000
3000
4000
5000
6000
7000
X_8


1e6
-1
0
1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
0
500
1000
1500
2000
X_9


1e6
-1
0
1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
y
1000
2000
3000
4000
5000
6000
7000
8000
X_10