

Modeling the Quickest Routes for Deliveries and Service Calls for SSC Across Tarleton Campus Using the Shortest Path Problem

Laine Davis

with Dr. Scott Cook and Amy Floyd

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Background

The shortest path length is the idea that for any network of nodes connected by edges, there is a particular series of steps that can be taken to get from a starting node to an ending node in the shortest amount of time or in the fewest number of steps across edges [4].

In time-independent networks, the magnitudes of the paths between nodes are arbitrary. Finding the shortest path length in a network like this can be useful for analyzing social networks, where the paths between nodes represent not distances, but rather relationships. Analysis of this kind of network has proven useful in areas like anthropology, biology, economics, and communications [5].

Alternatively, in time-dependent networks, finding the shortest path length between nodes means finding the series of steps between them that covers the minimum total distance. This would be particularly useful for modeling systems like road networks. For example, the handling of city emergencies depends heavily on finding the quickest routes between destinations. GPS systems also function by mapping out the quickest routes for drivers depending on where they are at any given moment [1, 2]. Some other real-world applications of the shortest path problem would include order-picking in warehouses, computer wiring, drilling of circuit boards, x-ray crystallography, and vehicle routing for postal workers, school bus drivers, etc. [3].

Objectives

My objective for this project will be reminiscent of the Traveling Salesman Problem. I will be creating a time-dependent network to model the Tarleton campus and the various routes between buildings and other major destinations.

Amy's job as Administrative Assistant with Student Success Collaborative (SSC) Services here at Tarleton involves the delivery of materials and the fulfillment of service calls to buildings across campus. A problem that they are currently facing within the company is finding the most efficient route for visiting a given set of locations as well as determining how much time should be allotted for making those rounds before returning.

My network will include nodes that represent individual buildings along with edges that represent the sidewalks and streets between buildings on which carts will be traveling to get from one delivery checkpoint to the next. The programs will take into consideration the buildings on the agenda and the time it takes to travel each of the paths, and will determine the order that the nodes should each be visited to make all of the deliveries and service calls in the shortest amount of time.

Methods

First Amy gathered the data for the project by manually recording how long it takes to travel by cart from building to building across campus. Because we included 13 buildings in our network, this gave us a total of 91 edges to calculate travel distances for. Because many routes between buildings shared portions of the same cart paths, this significantly reduced the amount of time spent collecting data.

I then used these times to create a network using NetworkX that would include all 13 buildings as well as the 91 possible paths that could be traveled between them.

```
In [6]: from pylab import *
import networkx as nx
from itertools import permutations

# CREATE NETWORK:

G = nx.Graph()

# CREATE ALL NODES / BUILDINGS:

G.add_node("Maintenance")
G.add_node("Heritage")
G.add_node("Legends")
G.add_node("Legacy")
G.add_node("Dining Hall")
G.add_node("Centennial")
G.add_node("Bender")
G.add_node("Science")
G.add_node("SDC")
G.add_node("Ferguson")
G.add_node("Hunewell")
G.add_node("Wisdom Gym")
G.add_node("Honors")

# CREATE ALL POSSIBLE EDGES / ROUTES BETWEEN THEM:

G.add_edge("Maintenance", "Heritage", weight=1.32)
G.add_edge("Maintenance", "Legends", weight=2.32)
G.add_edge("Maintenance", "Legacy", weight=2.13)
G.add_edge("Maintenance", "Dining Hall", weight=1.19)
G.add_edge("Maintenance", "Centennial", weight=2.32)
G.add_edge("Maintenance", "Bender", weight=4.52)
G.add_edge("Maintenance", "Science", weight=2.03)
G.add_edge("Maintenance", "SDC", weight=1.4)
G.add_edge("Maintenance", "Ferguson", weight=4.3)
G.add_edge("Maintenance", "Hunewell", weight=1.07)
G.add_edge("Maintenance", "Wisdom Gym", weight=3.49)
G.add_edge("Maintenance", "Honors", weight=4.01)

G.add_edge("Heritage", "Legends", weight=1.37)
G.add_edge("Heritage", "Legacy", weight=1.13)
G.add_edge("Heritage", "Dining Hall", weight=0.13)
G.add_edge("Heritage", "Centennial", weight=1.37)
G.add_edge("Heritage", "Bender", weight=6.11)
G.add_edge("Heritage", "Science", weight=0.51)
G.add_edge("Heritage", "SDC", weight=0.34)
G.add_edge("Heritage", "Ferguson", weight=6.02)
G.add_edge("Heritage", "Hunewell", weight=2.49)
G.add_edge("Heritage", "Wisdom Gym", weight=3.16)
G.add_edge("Heritage", "Honors", weight=3.28)

G.add_edge("Legends", "Legacy", weight=0.24)
G.add_edge("Legends", "Dining Hall", weight=1.28)
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```
G.add_edge("Legends","Centennial",weight=0.24)
G.add_edge("Legends","Bender",weight=8.21)
G.add_edge("Legends","Science",weight=2.17)
G.add_edge("Legends","SDC",weight=1.14)
G.add_edge("Legends","Ferguson",weight=7.59)
G.add_edge("Legends","Hunewell",weight=6.18)
G.add_edge("Legends","Wisdom Gym",weight=2.32)
G.add_edge("Legends","Honors",weight=2.44)

G.add_edge("Legacy","Dining Hall",weight=1.17)
G.add_edge("Legacy","Centennial",weight=1.07)
G.add_edge("Legacy","Bender",weight=7.39)
G.add_edge("Legacy","Science",weight=1.24)
G.add_edge("Legacy","SDC",weight=1.09)
G.add_edge("Legacy","Ferguson",weight=7.14)
G.add_edge("Legacy","Hunewell",weight=3.54)
G.add_edge("Legacy","Wisdom Gym",weight=3.10)
G.add_edge("Legacy","Honors",weight=3.22)

G.add_edge("Dining Hall","Centennial",weight=0.57)
G.add_edge("Dining Hall","Bender",weight=6.04)
G.add_edge("Dining Hall","Science",weight=0.38)
G.add_edge("Dining Hall","SDC",weight=0.21)
G.add_edge("Dining Hall","Ferguson",weight=5.06)
G.add_edge("Dining Hall","Hunewell",weight=2.04)
G.add_edge("Dining Hall","Wisdom Gym",weight=2.23)
G.add_edge("Dining Hall","Honors",weight=2.35)

G.add_edge("Centennial","Bender",weight=7.41)
G.add_edge("Centennial","Science",weight=3.05)
G.add_edge("Centennial","SDC",weight=1.34)
G.add_edge("Centennial","Ferguson",weight=7.59)
G.add_edge("Centennial","Hunewell",weight=6.20)
G.add_edge("Centennial","Wisdom Gym",weight=2.51)
G.add_edge("Centennial","Honors",weight=3.03)

G.add_edge("Bender","Science",weight=6.04)
G.add_edge("Bender","SDC",weight=6.25)
G.add_edge("Bender","Ferguson",weight=0.08)
G.add_edge("Bender","Hunewell",weight=3.45)
G.add_edge("Bender","Wisdom Gym",weight=7.50)
G.add_edge("Bender","Honors",weight=8.02)

G.add_edge("Science","SDC",weight=0.17)
G.add_edge("Science","Ferguson",weight=5.33)
G.add_edge("Science","Hunewell",weight=4.01)
G.add_edge("Science","Wisdom Gym",weight=1.46)
G.add_edge("Science","Honors",weight=1.58)

G.add_edge("SDC","Ferguson",weight=6.03)
G.add_edge("SDC","Hunewell",weight=2.04)
G.add_edge("SDC","Wisdom Gym",weight=4.35)
G.add_edge("SDC","Honors",weight=4.47)

G.add_edge("Ferguson","Hunewell",weight=3.23)
G.add_edge("Ferguson","Wisdom Gym",weight=7.28)
G.add_edge("Ferguson","Honors",weight=7.40)
```

```

G.add_edge("Hunewell", "Wisdom Gym", weight=5.47)
G.add_edge("Hunewell", "Honors", weight=5.59)

G.add_edge("Wisdom Gym", "Honors", weight=0.12)

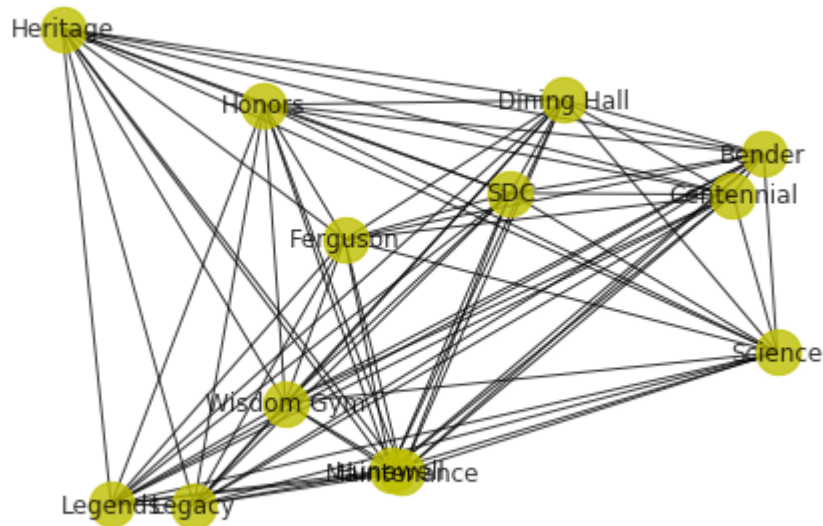
# PLOT NETWORK:

print('Random Layout:')
positions = nx.random_layout(G)
nx.draw(G, positions, with_labels = True, alpha=0.8, node_color='y', node_size=500,
show())

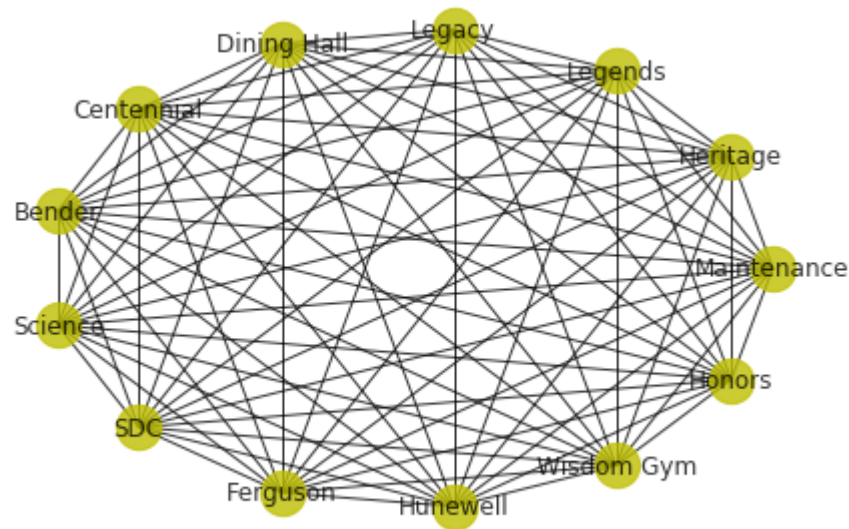
print('Circular Layout:')
positions = nx.circular_layout(G)
nx.draw(G, positions, with_labels = True, alpha=0.8, node_color='y', node_size=500,
show())

```

Random Layout:



Circular Layout:



Because NetworkX does not support the ability to plot a network where the edges are all in proportion to the weights that are assigned to them, and because that would almost certainly be impossible in a 2-dimensional space for the high number of specific edges that the network has, I was unable to create a perfect visual of the new campus network after adjusting all of the paths to represent travel times rather than straight distances. Instead, I scaled the campus map so that it most closely represented our measurements as possible. Further research online suggested that this was a commonly-used and satisfactory alternative. This allowed me to then overlay our network onto centimeter graphing paper where each unit corresponded to one minute of travel time, which was very important for the next piece of code.

For this step I used pieces of code that would find solutions for the shortest path through each node based on coordinates. The newly-adjusted network overlaid on the graph paper allowed me to assign each building a coordinate on the Cartesian plane with the maintenance building as the origin. I plugged these into our program that was improved upon by Dr. Cook to find two unique solutions to the problem. First is the Exhaustive Traveling Salesman solution which records the time it takes to travel the network in each of the possible different ways by brute force and then returns the shortest of them all. This code takes roughly 45 minutes to execute on CoCalc but avoided the memory issues we were encountering before modifying it as suggested. Second is the Greedy Traveling Salesman solution, a simpler and quicker alternative. It starts at the origin and then travels to the next node closest to that point. From there it travels to the closest unvisited node from that new point, and so on, until all the nodes have been visited. This algorithm has been shown to take only 25 percent more time on average than the true traveling salesman solution.

It should also be noted that the user of this code may simply remove any coordinates they choose if they only need to visit a subset of the buildings I included in this project.

```

In [15]: import doctest
from itertools import permutations
import numpy as np
from scipy.spatial.distance import pdist, squareform
from pprint import pprint

def main():
    doctest.testmod()
    points = np.array([[0, 0], [2.75, 3], [2.75, 5], [2.75, 4.25], [1.5, 2.25], [1.5, 4.25]])

    greedy = greedy_traveling_salesman(points)
    print("GREEDY")
    pprint(greedy)

    exhaustive = exhaustive_traveling_salesman(points)
    print("EXHAUSTIVE")
    pprint(exhaustive)

# GREEDY TRAVELING SALESMAN
# This function implements a simple heuristic: always go to the nearest node.
# This runs much more quickly and gives a solution only about 25% longer than the
def greedy_traveling_salesman(points):
    num_stops = len(points)
    D = squareform(pdist(points)) #symmetric, square matrix of distances. So D[i,j] is the distance between points[i] and points[j]
    stops_left = list(range(num_stops))
    greedy_path = []
    greedy_lengths = []

    current_stop = 0
    greedy_path.append(current_stop)
    stops_left.remove(current_stop)
    for _ in range(num_stops-1):
        idx = D[current_stop, stops_left].argmin() #Looks only at row for current stop, finds the index of the closest stop
        next_stop = stops_left[idx] #idx is not the closest stop, it is the index of the closest stop
        greedy_lengths.append(D[current_stop, next_stop]) #record length of this segment
        current_stop = next_stop
        greedy_path.append(current_stop)
        stops_left.remove(current_stop)
    greedy_length_total = sum(greedy_lengths)
    return {'path':greedy_path, 'lengths':greedy_lengths, 'length_total':greedy_length_total}

# EXHAUSTIVE TRAVELING SALESMAN
# This finds the true solution, but takes around 45 minutes to execute on CoCalc.
def exhaustive_traveling_salesman(points):
    num_stops = len(points)
    D = squareform(pdist(points)) #symmetric, square matrix of distances. So D[i,j] is the distance between points[i] and points[j]
    best_path = []
    best_lengths = []
    best_length_total = D.sum()
    for stops in permutations(range(1,num_stops)):
        new_path = list(stops)
        new_path.insert(0, 0)
        legs = list(zip(new_path, new_path[1:]))

```

```

        new_lengths = [D[leg] for leg in legs]
        new_length_total = sum(new_lengths)
        if(new_length_total < best_length_total):
            best_path = new_path
            best_lengths = new_lengths
            best_length_total = new_length_total
    return {'path':best_path, 'lengths':best_lengths, 'length_total':best_length_

if __name__ == "__main__":
    main()

```

GREEDY

```

{'length_total': 22.751604085350227,
 'lengths': [2.2638462845343543,
             2.9154759474226504,
             0.55901699437494745,
             3.5794552658190883,
             1.25,
             1.5206906325745548,
             0.75,
             1.0,
             3.0,
             1.25,
             0.75,
             3.9131189606246322],
 'path': [0, 10, 6, 9, 12, 7, 3, 2, 5, 1, 8, 4, 11]}

```

EXHAUSTIVE

```

{'length_total': 19.061227860040955,
 'lengths': [2.2638462845343543,
             2.9154759474226504,
             0.55901699437494745,
             4.0697051490249265,
             1.2747548783981961,
             1.25,
             1.5206906325745548,
             0.75,
             1.4577379737113252,
             1.25,
             0.75,
             1.0],
 'path': [0, 10, 6, 9, 11, 12, 7, 8, 4, 1, 3, 2, 5]}

```

And here I used NetworkX to create a network of the buildings according to the new coordinate locations. This network is to scale with the true physical map which provides a more accurate visual of the campus than the original network, as will be apparent to those familiar with the university.

In [13]: **import** networkx as nx

```
C=nx.Graph()

# Create all nodes as coordinates
C.add_node('Maintenance',pos=(0,0))
C.add_node('Heritage',pos=(2.75,3))
C.add_node('Legends',pos=(2.75,5))
C.add_node('Legacy',pos=(2.75,4.25))
C.add_node('Dining Hall',pos=(1.5,2.25))
C.add_node('Centennial',pos=(2.75,6))
C.add_node('Bender',pos=(-3.75,2.75))
C.add_node('Science',pos=(1.25,4.5))
C.add_node('SDC',pos=(1.5,3))
C.add_node('Ferguson',pos=(-3.25,3))
C.add_node('Hunewell',pos=(-2.25,0.25))
C.add_node('Wisdom Gym',pos=(-0.25,5.75))
C.add_node('Honors',pos=(0,4.5))

# Add edges
# Not really necessary here because it just crowds up the image
#C.add_edge('Maintenance','Heritage')

pos=nx.get_node_attributes(C,'pos')

#pos
#{1: (1, 1), 2: (2, 2)}

nx.draw(C,pos, with_labels=True, alpha=0.8, node_color='y', node_size=500)
show()
```



My next task was to create a program with the help of Dr. Cook that would test the exhaustive algorithm and greedy algorithm not just for the 13 buildings, but also for all possible subsets of those 13 buildings. In doing so, we can compare just how different the two algorithms may become

when used on all 8,192 possible sets of buildings that a maintenance worker might have on their agenda to visit for a particular day. This code also eliminates the errors introduced by using the coordinate system, and instead calculates the travel time based on the initial recorded times rather than by Euclidean distance. The output for this code will provide three important pieces of information for each subset of buildings: the order in which to visit them the greedy way, the order in which to visit them the exhaustive way, and the percent time increase for the greedy path in comparison to the exhaustive path. The output orders these subsets by decreasing percent time difference.

```

In [5]: import doctest
import numpy as np
from scipy.spatial.distance import pdist, squareform
from pprint import pprint
import itertools as it

def greedy_traveling_salesman(Times, stops):
    greedy_path = []
    greedy_times = []

    current_stop = 0
    stops_left = stops.copy()
    try:
        stops_left.remove(current_stop)
    except:
        pass
    greedy_path.append(current_stop)
    num_stops = len(stops_left)
    for _ in range(num_stops):
        idx = Times[current_stop, stops_left].argmin() #looks only at row for cu
        next_stop = stops_left[idx] #idx is not the closest stop, it is the inde
        greedy_times.append(Times[current_stop, next_stop]) #record length of th
        current_stop = next_stop
        greedy_path.append(current_stop)
        stops_left.remove(current_stop)
    greedy_time_total = sum(greedy_times)
    return {'path':greedy_path, 'times':greedy_times, 'time_total':greedy_time_to}

def exhaustive_traveling_salesman(Times, stops):
    best_path = []
    best_times = []
    best_time_total = Times.sum()

    current_stop = 0
    stops_left = stops.copy()
    try:
        stops_left.remove(current_stop)
    except:
        pass
    for stops in it.permutations(stops_left):
        new_path = list(stops)
        new_path.insert(0, current_stop)
        legs = list(zip(new_path, new_path[1:]))
        new_times = [Times[leg] for leg in legs]
        new_time_total = sum(new_times)
        if(new_time_total < best_time_total):
            best_path = new_path
            best_times = new_times
            best_time_total = new_time_total
    return {'path':best_path, 'times':best_times, 'time_total':best_time_total}

def main():
    doctest.testmod()

    num_bldgs = 13
    #Times = np.random.rand(num_bldgs, num_bldgs)

```

```

Times = [[0.00, 1.32, 2.32, 2.13, 1.19, 2.32, 4.52, 2.03, 1.40, 4.30, 1.07, 3
[1.32, 0.00, 1.37, 1.13, 0.13, 1.37, 6.11, 0.51, 0.34, 6.02, 2.49, 3
[2.32, 1.37, 0.00, 0.24, 1.28, 0.24, 8.21, 2.17, 1.14, 7.59, 6.18, 2
[2.13, 1.13, 0.24, 0.00, 1.17, 1.07, 7.39, 1.24, 1.09, 7.14, 3.54, 3
[1.19, 0.13, 1.28, 1.17, 0.00, 0.57, 6.04, 0.38, 0.21, 5.06, 2.04, 2
[2.32, 1.37, 0.24, 1.07, 0.57, 0.00, 7.41, 3.05, 1.34, 7.59, 6.20, 2
[4.52, 6.11, 8.21, 7.39, 6.04, 7.41, 0.00, 6.04, 6.25, 0.08, 3.45, 7
[2.03, 0.51, 2.17, 1.24, 0.38, 3.05, 6.04, 0.00, 0.17, 5.33, 4.01, 1
[1.40, 0.34, 1.14, 1.09, 0.21, 1.34, 6.25, 0.17, 0.00, 6.03, 2.04, 4
[4.30, 6.02, 7.59, 7.14, 5.06, 7.59, 0.08, 5.33, 6.03, 0.00, 3.23, 7
[1.07, 2.49, 6.18, 3.54, 2.04, 6.20, 3.45, 4.01, 2.04, 3.23, 0.00, 5
[3.49, 3.16, 2.32, 3.10, 2.23, 2.51, 7.50, 1.46, 4.35, 7.28, 5.47, 0
[4.01, 3.28, 2.44, 3.22, 2.35, 3.03, 8.02, 1.58, 4.47, 7.40, 5.59, 0

Times = np.array(Times)
bldgs = list(range(1, num_bldgs))
results = []
for length in range(1, num_bldgs):
    for stops in it.combinations(bldgs, length):
        greedy = greedy_traveling_salesman(Times, list(stops))
        exhaustive = exhaustive_traveling_salesman(Times, list(stops))
        dif = greedy['time_total'] - exhaustive['time_total']
        percent_dif = dif / greedy['time_total'] * 100
        new_result = {'stops':stops, 'greedy':greedy, 'exhaustive':exhaustive}
        results.append(new_result)
srt = np.argsort([res['percent_dif'] for res in results])
for i in srt[::-1]:
    res = results[i]
    print("%d \t %.1f%% \t %s %s"%(i, res['percent_dif'], str(res['exhaustive

if __name__ == "__main__":
    main()

```

673	45.5%	[0, 8, 7, 4, 5]	[0, 4, 8,
7, 5]			
380	43.0%	[0, 1, 7, 4, 5]	[0, 4, 1,
7, 5]			
1003	43.0%	[0, 1, 7, 8, 4, 5]	[0, 4, 1,
8, 7, 5]			
2445	38.4%	[0, 5, 4, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 5, 9]			
2907	37.7%	[0, 5, 4, 1, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 5, 9]			
3265	37.3%	[0, 5, 4, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 5, 6, 9]			
3595	36.7%	[0, 5, 4, 1, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 5, 6, 9]			
2426	36.0%	[0, 5, 4, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 5, 6]			
215	35.5%	[0, 7, 4, 5]	[0, 4, 7,
5]			
2888	35.3%	[0, 5, 4, 1, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 5, 6]			
1475	35.3%	[0, 10, 8, 7, 4, 5]	[0, 10,
4, 8, 7, 5]			
1940	34.0%	[0, 5, 4, 7, 1, 10, 9]	[0, 10,
4, 1, 7, 5, 9]			

1937	34.0%	[0, 10, 8, 7, 1, 4, 5]	[0, 10,
4, 1, 8, 7, 5]			
3117	33.7%	[0, 2, 5, 4, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 2, 5, 9]			
234	33.2%	[0, 8, 4, 11]	[0, 4, 8,
11]			
3447	33.0%	[0, 2, 5, 4, 1, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 2, 5, 9]			
2891	33.0%	[0, 5, 4, 7, 1, 10, 9, 6]	[0, 10,
4, 1, 7, 5, 6, 9]			
3715	32.6%	[0, 2, 5, 4, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 2, 5, 6, 9]			
718	32.5%	[0, 8, 4, 11, 12]	[0, 4, 8,
11, 12]			
235	32.5%	[0, 8, 4, 12]	[0, 4, 8,
12]			
3880	31.9%	[0, 2, 5, 4, 1, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 2, 5, 6, 9]			
399	31.8%	[0, 1, 8, 4, 11]	[0, 4, 1,
8, 11]			
1484	31.7%	[0, 4, 5, 8, 10, 9]	[0, 10,
4, 8, 5, 9]			
1923	31.6%	[0, 5, 4, 7, 1, 10, 6]	[0, 10,
4, 1, 7, 5, 6]			
2198	31.6%	[0, 4, 5, 2, 8, 10, 9]	[0, 10,
4, 8, 2, 5, 9]			
413	31.6%	[0, 1, 7, 8, 5]	[0, 1, 8,
7, 5]			
2209	31.5%	[0, 2, 8, 7, 4, 10, 6]	[0, 10,
4, 8, 7, 2, 6]			
1048	31.2%	[0, 1, 8, 4, 11, 12]	[0, 4, 1,
8, 11, 12]			
400	31.2%	[0, 1, 8, 4, 12]	[0, 4, 1,
8, 12]			
3098	31.1%	[0, 2, 5, 4, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 2, 5, 6]			
2996	31.1%	[0, 4, 5, 2, 3, 8, 10, 9]	[0, 10,
4, 8, 3, 2, 5, 9]			
1946	31.0%	[0, 5, 4, 1, 8, 10, 9]	[0, 10,
4, 1, 8, 5, 9]			
2671	30.9%	[0, 2, 8, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 8, 7, 2, 6]			
2660	30.9%	[0, 1, 4, 5, 2, 8, 10, 9]	[0, 10,
4, 1, 8, 2, 5, 9]			
1213	30.7%	[0, 8, 7, 4, 5, 2]	[0, 4, 8,
7, 2, 5]			
3428	30.5%	[0, 2, 5, 4, 1, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 2, 5, 6]			
3326	30.5%	[0, 1, 4, 5, 2, 3, 8, 10, 9]	[0, 10,
4, 1, 8, 3, 2, 5, 9]			
2435	30.5%	[0, 4, 5, 8, 10, 9, 6]	[0, 10,
4, 8, 5, 6, 9]			
3107	30.4%	[0, 4, 5, 2, 8, 10, 9, 6]	[0, 10,
4, 8, 2, 5, 6, 9]			
3651	30.3%	[0, 4, 5, 2, 3, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 3, 2, 5, 9]			
1012	30.1%	[0, 1, 5, 4, 10, 9]	[0, 10,

4, 1, 5, 9]		
2228	30.0%	[0, 2, 8, 7, 4, 10, 9]
4, 8, 7, 2, 9]		[0, 10,
3641	29.9%	[0, 4, 5, 2, 3, 8, 10, 9, 6]
4, 8, 3, 2, 5, 6, 9]		[0, 10,
2897	29.8%	[0, 5, 4, 1, 8, 10, 9, 6]
4, 1, 8, 5, 6, 9]		[0, 10,
3132	29.8%	[0, 2, 8, 7, 4, 10, 9, 6]
4, 8, 7, 2, 9, 6]		[0, 10,
3437	29.7%	[0, 1, 4, 5, 2, 8, 10, 9, 6]
4, 1, 8, 2, 5, 6, 9]		[0, 10,
3816	29.7%	[0, 1, 4, 5, 2, 3, 7, 8, 10, 9]
4, 1, 8, 7, 3, 2, 5, 9]		[0, 10,
2324	29.7%	[0, 4, 5, 3, 8, 10, 9]
4, 8, 3, 5, 9]		[0, 10,
1474	29.6%	[0, 4, 5, 8, 7, 9]
7, 5, 9]		[0, 4, 8,
674	29.6%	[0, 5, 4, 7, 9]
5, 9]		[0, 4, 7,
2524	29.5%	[0, 1, 3, 2, 5, 4, 10, 9]
4, 1, 3, 2, 5, 9]		[0, 10,
1684	29.5%	[0, 1, 2, 5, 4, 10, 9]
4, 1, 2, 5, 9]		[0, 10,
2690	29.4%	[0, 2, 8, 7, 1, 4, 10, 9]
4, 1, 8, 7, 2, 9]		[0, 10,
3806	29.3%	[0, 1, 4, 5, 2, 3, 8, 10, 9, 6]
4, 1, 8, 3, 2, 5, 6, 9]		[0, 10,
3462	29.2%	[0, 2, 8, 7, 1, 4, 10, 9, 6]
4, 1, 8, 7, 2, 9, 6]		[0, 10,
2654	29.2%	[0, 2, 5, 4, 7, 1, 10, 9]
4, 1, 7, 2, 5, 9]		[0, 10,
3961	29.1%	[0, 4, 5, 2, 3, 7, 8, 10, 9, 6]
4, 8, 7, 3, 2, 5, 6, 9]		[0, 10,
2786	29.1%	[0, 1, 4, 5, 3, 8, 10, 9]
4, 1, 8, 3, 5, 9]		[0, 10,
3201	29.0%	[0, 4, 5, 3, 7, 8, 10, 9]
4, 8, 7, 3, 5, 9]		[0, 10,
2536	29.0%	[0, 4, 1, 3, 2, 8, 10, 6]
4, 1, 8, 3, 2, 6]		[0, 10,
1004	28.9%	[0, 5, 4, 1, 7, 9]
7, 5, 9]		[0, 4, 1,
1936	28.9%	[0, 1, 4, 5, 8, 7, 9]
8, 7, 5, 9]		[0, 4, 1,
1210	28.9%	[0, 2, 5, 4, 10, 6]
4, 5, 2, 6]		[0, 10,
1178	28.9%	[0, 3, 2, 8, 10, 6]
8, 3, 2, 6]		[0, 10,
1930	28.8%	[0, 1, 5, 4, 10, 9, 6]
4, 1, 5, 6, 9]		[0, 10,
1465	28.8%	[0, 4, 5, 8, 10, 6]
4, 8, 5, 6]		[0, 10,
830	28.8%	[0, 1, 7, 4, 5, 2]
7, 2, 5]		[0, 4, 1,
1675	28.8%	[0, 1, 7, 8, 4, 5, 2]
8, 7, 2, 5]		[0, 4, 1,
2179	28.7%	[0, 4, 5, 2, 8, 10, 6]
4, 8, 2, 5, 6]		[0, 10,

1692	28.7%	[0, 2, 1, 7, 4, 10, 6]	[0, 10,
4, 1, 7, 2, 6]			
713	28.7%	[0, 4, 8, 10, 9]	[0, 10,
4, 8, 9]			
4016	28.5%	[0, 1, 4, 5, 2, 3, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 6, 9]			
3191	28.5%	[0, 4, 5, 3, 8, 10, 9, 6]	[0, 10,
4, 8, 3, 5, 6, 9]			
884	28.5%	[0, 1, 2, 8, 10, 6]	[0, 10,
8, 1, 2, 6]			
1640	28.5%	[0, 1, 3, 2, 8, 10, 6]	[0, 10,
8, 1, 3, 2, 6]			
3531	28.4%	[0, 1, 4, 5, 3, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 5, 9]			
1504	28.4%	[0, 4, 8, 10, 9, 6]	[0, 10,
4, 8, 9, 6]			
2074	28.4%	[0, 3, 2, 8, 4, 10, 6]	[0, 10,
4, 8, 3, 2, 6]			
2425	28.3%	[0, 4, 5, 8, 7, 9, 6]	[0, 4, 8,
7, 5, 6, 9]			
1460	28.3%	[0, 5, 4, 7, 9, 6]	[0, 4, 7,
5, 6, 9]			
2977	28.3%	[0, 4, 5, 2, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 2, 5, 6]			
2644	28.3%	[0, 1, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 2, 5, 6, 9]			
3310	28.3%	[0, 1, 3, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 2, 5, 6, 9]			
1927	28.2%	[0, 5, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 5, 6]			
1133	28.2%	[0, 3, 2, 4, 10, 6]	[0, 10,
4, 3, 2, 6]			
1234	28.2%	[0, 4, 2, 8, 10, 6]	[0, 10,
4, 8, 2, 6]			
554	28.2%	[0, 2, 8, 10, 6]	[0, 10,
8, 2, 6]			
1810	28.2%	[0, 1, 3, 5, 4, 10, 9]	[0, 10,
4, 1, 3, 5, 9]			
2641	28.1%	[0, 1, 4, 5, 2, 8, 10, 6]	[0, 10,
4, 1, 8, 2, 5, 6]			
3320	28.1%	[0, 1, 7, 3, 2, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 2, 5, 9]			
3431	28.1%	[0, 2, 5, 4, 7, 1, 10, 9, 6]	[0, 10,
4, 1, 7, 2, 5, 6, 9]			
694	28.0%	[0, 4, 8, 10, 6]	[0, 10,
4, 8, 6]			
3521	28.0%	[0, 1, 4, 5, 3, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 3, 5, 6, 9]			
1696	27.9%	[0, 4, 1, 2, 8, 10, 6]	[0, 10,
4, 1, 8, 2, 6]			
1043	27.9%	[0, 1, 4, 8, 10, 9]	[0, 10,
4, 1, 8, 9]			
509	27.9%	[0, 2, 4, 10, 6]	[0, 10,
4, 2, 6]			
3751	27.8%	[0, 4, 5, 3, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 5, 6, 9]			
1922	27.7%	[0, 5, 4, 1, 7, 9, 6]	[0, 4, 1,

7, 5, 6, 9]		
2887	27.7%	[0, 1, 4, 5, 8, 7, 9, 6]
8, 7, 5, 6, 9]		[0, 4, 1,
3307	27.7%	[0, 1, 4, 5, 2, 3, 8, 10, 6]
4, 1, 8, 3, 2, 5, 6]		[0, 10,
1966	27.7%	[0, 1, 4, 8, 10, 9, 6]
4, 1, 8, 9, 6]		[0, 10,
716	27.6%	[0, 10, 8, 4, 11]
4, 8, 11]		[0, 10,
682	27.6%	[0, 5, 4, 10, 9]
4, 5, 9]		[0, 10,
3632	27.6%	[0, 4, 5, 2, 3, 7, 8, 10, 6]
4, 8, 7, 3, 2, 5, 6]		[0, 10,
3007	27.5%	[0, 3, 2, 8, 7, 4, 10, 6]
4, 8, 7, 3, 2, 6]		[0, 10,
401	27.4%	[0, 1, 4, 10, 9]
4, 1, 9]		[0, 10,
839	27.4%	[0, 2, 1, 4, 10, 6]
4, 1, 2, 6]		[0, 10,
1595	27.4%	[0, 2, 3, 1, 4, 10, 6]
4, 1, 3, 2, 6]		[0, 10,
3916	27.3%	[0, 1, 4, 5, 3, 7, 8, 10, 9, 6]
4, 1, 8, 7, 3, 5, 6, 9]		[0, 10,
3793	27.3%	[0, 4, 5, 11, 12, 7, 8, 10, 9]
4, 8, 7, 11, 12, 5, 9]		[0, 10,
1024	27.3%	[0, 1, 4, 8, 10, 6]
4, 1, 8, 6]		[0, 10,
717	27.2%	[0, 10, 8, 4, 12]
4, 8, 12]		[0, 10,
1527	27.2%	[0, 10, 8, 4, 11, 12]
4, 8, 11, 12]		[0, 10,
1000	27.2%	[0, 1, 5, 4, 10, 6]
4, 1, 5, 6]		[0, 10,
2555	27.2%	[0, 4, 1, 3, 2, 8, 10, 9]
4, 1, 8, 3, 2, 9]		[0, 10,
1027	27.2%	[0, 1, 4, 10, 9, 6]
4, 1, 9, 6]		[0, 10,
1709	27.1%	[0, 2, 1, 7, 4, 10, 9]
4, 1, 7, 2, 9]		[0, 10,
2139	27.1%	[0, 2, 3, 7, 8, 10, 6]
8, 7, 3, 2, 6]		[0, 10,
3346	27.0%	[0, 4, 1, 3, 2, 8, 10, 9, 6]
4, 1, 8, 3, 2, 9, 6]		[0, 10,
288	27.0%	[0, 8, 10, 9]
8, 9]		[0, 10,
1222	27.0%	[0, 2, 5, 4, 10, 9]
4, 5, 2, 9]		[0, 10,
3797	27.0%	[0, 1, 4, 5, 2, 3, 7, 8, 10, 6]
4, 1, 8, 7, 3, 2, 5, 6]		[0, 10,
1197	27.0%	[0, 3, 2, 8, 10, 9]
8, 3, 2, 9]		[0, 10,
3337	27.0%	[0, 3, 2, 8, 7, 1, 4, 10, 6]
4, 1, 8, 7, 3, 2, 6]		[0, 10,
2305	27.0%	[0, 4, 5, 3, 8, 10, 6]
4, 8, 3, 5, 6]		[0, 10,
224	27.0%	[0, 4, 10, 6]
4, 6]		[0, 10,

2770	27.0%	[0, 1, 3, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 5, 6, 9]			
2674	26.9%	[0, 2, 1, 7, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 2, 9, 6]			
3800	26.9%	[0, 1, 7, 3, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 2, 5, 6, 9]			
2780	26.9%	[0, 1, 7, 3, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 5, 9]			
2148	26.8%	[0, 3, 2, 8, 10, 9, 6]	[0, 10,
8, 3, 2, 9, 6]			
3958	26.8%	[0, 1, 4, 5, 11, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 11, 12, 5, 9]			
2182	26.8%	[0, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 5, 2, 9, 6]			
453	26.8%	[0, 1, 8, 10, 9]	[0, 10,
8, 1, 9]			
768	26.8%	[0, 8, 10, 9, 6]	[0, 10,
8, 9, 6]			
1046	26.7%	[0, 10, 8, 1, 4, 11]	[0, 10,
4, 1, 8, 11]			
811	26.7%	[0, 2, 3, 1, 10, 6]	[0, 10,
1, 3, 2, 6]			
325	26.7%	[0, 2, 1, 10, 6]	[0, 10,
1, 2, 6]			
1672	26.7%	[0, 1, 2, 5, 4, 10, 6]	[0, 10,
4, 1, 2, 5, 6]			
2512	26.7%	[0, 1, 3, 2, 5, 4, 10, 6]	[0, 10,
4, 1, 3, 2, 5, 6]			
1659	26.7%	[0, 1, 3, 2, 8, 10, 9]	[0, 10,
8, 1, 3, 2, 9]			
903	26.7%	[0, 1, 2, 8, 10, 9]	[0, 10,
8, 1, 2, 9]			
2070	26.6%	[0, 2, 3, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 6]			
2637	26.6%	[0, 2, 5, 4, 7, 1, 10, 6]	[0, 10,
4, 1, 7, 2, 5, 6]			
1098	26.6%	[0, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 9, 6]			
2093	26.6%	[0, 3, 2, 8, 4, 10, 9]	[0, 10,
4, 8, 3, 2, 9]			
127	26.5%	[0, 1, 10, 9]	[0, 10,
1, 9]			
2610	26.5%	[0, 1, 3, 2, 8, 10, 9, 6]	[0, 10,
8, 1, 3, 2, 9, 6]			
1770	26.5%	[0, 1, 2, 8, 10, 9, 6]	[0, 10,
8, 1, 2, 9, 6]			
2601	26.5%	[0, 1, 2, 3, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 2, 6]			
2767	26.5%	[0, 1, 4, 5, 3, 8, 10, 6]	[0, 10,
4, 1, 8, 3, 5, 6]			
269	26.4%	[0, 8, 10, 6]	[0, 10,
8, 6]			
3016	26.4%	[0, 3, 2, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 3, 2, 9, 6]			
3182	26.3%	[0, 4, 5, 3, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 3, 5, 6]			
1145	26.3%	[0, 3, 2, 4, 10, 9]	[0, 10,

4, 3, 2, 9]		
1047	26.3%	[0, 10, 8, 1, 4, 12]
4, 1, 8, 12]		
1989	26.3%	[0, 10, 8, 1, 4, 11, 12]
4, 1, 8, 11, 12]		
1253	26.3%	[0, 4, 2, 8, 10, 9]
4, 8, 2, 9]		
4015	26.3%	[0, 4, 5, 11, 12, 7, 8, 10, 9, 6]
4, 8, 7, 11, 12, 5, 6, 9]		
437	26.3%	[0, 1, 10, 9, 6]
1, 9, 6]		
573	26.3%	[0, 2, 8, 10, 9]
8, 2, 9]		
1761	26.3%	[0, 2, 1, 7, 8, 10, 6]
8, 7, 1, 2, 6]		
2473	26.2%	[0, 11, 12, 4, 8, 10, 6]
4, 8, 11, 12, 6]		
1468	26.2%	[0, 5, 4, 10, 9, 6]
4, 5, 6, 9]		
1005	26.2%	[0, 10, 1, 7, 4, 5]
4, 1, 7, 5]		
2077	26.2%	[0, 3, 2, 4, 10, 9, 6]
4, 3, 2, 9, 6]		
1750	26.2%	[0, 1, 5, 2, 8, 10, 9]
8, 1, 2, 5, 9]		
2218	26.1%	[0, 4, 2, 8, 10, 9, 6]
4, 8, 2, 9, 6]		
2532	26.1%	[0, 2, 3, 7, 1, 4, 10, 6]
4, 1, 7, 3, 2, 6]		
1308	26.1%	[0, 2, 8, 10, 9, 6]
8, 2, 9, 6]		
1715	26.1%	[0, 4, 1, 2, 8, 10, 9]
4, 1, 8, 2, 9]		
521	26.0%	[0, 2, 4, 10, 9]
4, 2, 9]		
2680	25.9%	[0, 4, 1, 2, 8, 10, 9, 6]
4, 1, 8, 2, 9, 6]		
1108	25.9%	[0, 1, 7, 8, 10, 9]
8, 7, 1, 9]		
4070	25.9%	[0, 1, 4, 5, 11, 12, 7, 8, 10, 9, 6]
4, 1, 8, 7, 11, 12, 5, 6, 9]		
3512	25.8%	[0, 1, 4, 5, 3, 7, 8, 10, 6]
4, 1, 8, 7, 3, 5, 6]		
748	25.8%	[0, 5, 8, 10, 9]
8, 5, 9]		
2935	25.8%	[0, 11, 12, 4, 1, 8, 10, 6]
4, 1, 8, 11, 12, 6]		
1237	25.8%	[0, 2, 4, 10, 9, 6]
4, 2, 9, 6]		
3280	25.8%	[0, 4, 5, 11, 7, 8, 10, 9]
4, 8, 7, 11, 5, 9]		
389	25.8%	[0, 1, 4, 10, 6]
4, 1, 6]		
3515	25.8%	[0, 1, 7, 3, 5, 4, 10, 9, 6]
4, 1, 7, 3, 5, 6, 9]		
1288	25.7%	[0, 5, 2, 8, 10, 9]
8, 2, 5, 9]		

3026	25.7%	[0, 3, 2, 8, 7, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 2, 9]			
1299	25.7%	[0, 2, 7, 8, 10, 6]	[0, 10,
8, 7, 2, 6]			
3730	25.7%	[0, 4, 5, 2, 11, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 11, 2, 5, 9]			
2026	25.7%	[0, 1, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 9, 6]			
1478	25.6%	[0, 5, 4, 7, 10, 9]	[0, 10,
4, 7, 5, 9]			
3666	25.6%	[0, 3, 2, 8, 7, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 2, 9, 6]			
3614	25.5%	[0, 1, 7, 12, 11, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 11, 12, 5, 9]			
1636	25.5%	[0, 2, 3, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 2, 6]			
1607	25.5%	[0, 2, 3, 1, 4, 10, 9]	[0, 10,
4, 1, 3, 2, 9]			
851	25.5%	[0, 2, 1, 4, 10, 9]	[0, 10,
4, 1, 2, 9]			
1798	25.4%	[0, 1, 3, 5, 4, 10, 6]	[0, 10,
4, 1, 3, 5, 6]			
1841	25.4%	[0, 4, 1, 3, 8, 10, 9]	[0, 10,
4, 1, 8, 3, 9]			
3303	25.4%	[0, 1, 7, 3, 2, 5, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 2, 5, 6]			
2128	25.3%	[0, 5, 2, 3, 8, 10, 9]	[0, 10,
8, 3, 2, 5, 9]			
3610	25.3%	[0, 1, 4, 5, 11, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 11, 5, 9]			
2539	25.3%	[0, 2, 3, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 2, 9, 6]			
1699	25.3%	[0, 2, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 2, 9, 6]			
2188	25.3%	[0, 4, 5, 2, 8, 7, 9]	[0, 4, 8,
7, 2, 5, 9]			
1230	25.3%	[0, 2, 7, 4, 10, 6]	[0, 10,
4, 7, 2, 6]			
3731	25.3%	[0, 4, 5, 2, 12, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 12, 2, 5, 9]			
4003	25.3%	[0, 4, 5, 2, 11, 12, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 11, 12, 2, 5, 9]			
3895	25.3%	[0, 1, 4, 5, 2, 11, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 11, 2, 5, 9]			
2806	25.2%	[0, 4, 1, 3, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 3, 9, 6]			
2062	25.2%	[0, 3, 2, 5, 4, 10, 9]	[0, 10,
4, 5, 2, 3, 9]			
434	25.2%	[0, 1, 8, 10, 6]	[0, 10,
8, 1, 6]			
3356	25.2%	[0, 3, 2, 8, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 2, 9]			
2158	25.2%	[0, 2, 3, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 9]			
657	25.1%	[0, 3, 8, 10, 9]	[0, 10,
8, 3, 9]			
1822	25.1%	[0, 4, 1, 3, 8, 10, 6]	[0, 10,

4, 1, 8, 3, 6]		
1524	25.1%	[0, 11, 4, 8, 10, 9]
4, 8, 11, 9]		[0, 10,
2990	25.1%	[0, 7, 3, 2, 5, 4, 10, 9]
4, 7, 3, 2, 5, 9]		[0, 10,
1078	25.1%	[0, 1, 5, 8, 10, 9]
8, 1, 5, 9]		[0, 10,
2980	25.0%	[0, 3, 2, 5, 4, 10, 9, 6]
4, 5, 2, 3, 9, 6]		[0, 10,
3831	25.0%	[0, 3, 2, 8, 7, 1, 4, 10, 9, 6]
4, 1, 8, 7, 3, 2, 9, 6]		[0, 10,
3076	25.0%	[0, 2, 3, 7, 8, 10, 9, 6]
8, 7, 3, 2, 9, 6]		[0, 10,
3790	25.0%	[0, 4, 5, 11, 12, 7, 8, 10, 6]
4, 8, 7, 11, 12, 5, 6]		[0, 10,
738	25.0%	[0, 5, 8, 7, 9]
5, 9]		[0, 8, 7,
1434	25.0%	[0, 3, 8, 10, 9, 6]
8, 3, 9, 6]		[0, 10,
605	25.0%	[0, 3, 4, 10, 9]
4, 3, 9]		[0, 10,
2470	25.0%	[0, 11, 4, 8, 10, 9, 6]
4, 8, 11, 9, 6]		[0, 10,
2715	24.9%	[0, 1, 5, 2, 8, 10, 9, 6]
8, 1, 2, 5, 6, 9]		[0, 10,
2050	24.9%	[0, 3, 2, 5, 4, 10, 6]
4, 5, 2, 3, 6]		[0, 10,
115	24.9%	[0, 1, 10, 6]
1, 6]		[0, 10,
97	24.9%	[0, 1, 4, 5]
5]		[0, 4, 1,
4058	24.9%	[0, 1, 4, 5, 2, 12, 11, 7, 8, 10, 9]
4, 1, 8, 7, 11, 12, 2, 5, 9]		[0, 10,
3896	24.9%	[0, 1, 4, 5, 2, 12, 7, 8, 10, 9]
4, 1, 8, 7, 12, 2, 5, 9]		[0, 10,
638	24.8%	[0, 3, 8, 10, 6]
8, 3, 6]		[0, 10,
823	24.8%	[0, 2, 3, 1, 10, 9]
1, 3, 2, 9]		[0, 10,
422	24.8%	[0, 5, 1, 10, 9]
1, 5, 9]		[0, 10,
337	24.8%	[0, 2, 1, 10, 9]
1, 2, 9]		[0, 10,
987	24.8%	[0, 1, 3, 8, 10, 9]
8, 1, 3, 9]		[0, 10,
1363	24.8%	[0, 3, 4, 10, 9, 6]
4, 3, 9, 6]		[0, 10,
2650	24.8%	[0, 1, 4, 5, 2, 8, 7, 9]
8, 7, 2, 5, 9]		[0, 4, 1,
2087	24.8%	[0, 2, 3, 7, 4, 10, 9]
4, 7, 3, 2, 9]		[0, 10,
935	24.8%	[0, 3, 1, 4, 10, 9]
4, 1, 3, 9]		[0, 10,
3787	24.7%	[0, 4, 5, 11, 7, 8, 10, 9, 6]
4, 8, 7, 11, 5, 6, 9]		[0, 10,
2816	24.7%	[0, 4, 1, 3, 7, 8, 10, 9]
4, 1, 8, 7, 3, 9]		[0, 10,

3281	24.7%	[0, 4, 5, 12, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 12, 5, 9]			
1507	24.7%	[0, 11, 4, 8, 10, 6]	[0, 10,
4, 8, 11, 6]			
3061	24.7%	[0, 5, 2, 3, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 5, 9]			
2480	24.7%	[0, 11, 12, 4, 8, 10, 9]	[0, 10,
4, 8, 11, 12, 9]			
1643	24.7%	[0, 2, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 2, 9, 6]			
887	24.7%	[0, 2, 1, 10, 9, 6]	[0, 10,
1, 2, 9, 6]			
593	24.7%	[0, 3, 4, 10, 6]	[0, 10,
4, 3, 6]			
1379	24.7%	[0, 3, 8, 4, 10, 9]	[0, 10,
4, 8, 3, 9]			
3997	24.7%	[0, 4, 5, 2, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 11, 2, 5, 6, 9]			
2590	24.7%	[0, 1, 5, 2, 3, 8, 10, 9]	[0, 10,
8, 1, 3, 2, 5, 9]			
1896	24.7%	[0, 1, 3, 8, 10, 9, 6]	[0, 10,
8, 1, 3, 9, 6]			
1986	24.7%	[0, 11, 4, 1, 8, 10, 9]	[0, 10,
4, 1, 8, 11, 9]			
2620	24.6%	[0, 1, 2, 3, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 9]			
3010	24.6%	[0, 2, 3, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 2, 9, 6]			
3955	24.6%	[0, 1, 4, 5, 11, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 11, 12, 5, 6]			
1825	24.6%	[0, 3, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 9, 6]			
3546	24.6%	[0, 4, 1, 3, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 9, 6]			
968	24.6%	[0, 1, 3, 8, 10, 6]	[0, 10,
8, 1, 3, 6]			
3291	24.6%	[0, 11, 12, 4, 8, 10, 9, 6]	[0, 10,
4, 8, 11, 12, 9, 6]			
3956	24.5%	[0, 1, 7, 12, 11, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 11, 12, 5, 6, 9]			
1539	24.5%	[0, 5, 8, 10, 9, 6]	[0, 10,
8, 5, 6, 9]			
2932	24.5%	[0, 11, 4, 1, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 11, 9, 6]			
2429	24.5%	[0, 5, 4, 7, 10, 9, 6]	[0, 10,
4, 7, 5, 6, 9]			
2344	24.5%	[0, 3, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 3, 9, 6]			
923	24.5%	[0, 3, 1, 4, 10, 6]	[0, 10,
4, 1, 3, 6]			
2797	24.5%	[0, 4, 1, 3, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 6]			
3406	24.5%	[0, 1, 2, 3, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 9, 6]			
2253	24.5%	[0, 5, 2, 8, 10, 9, 6]	[0, 10,
8, 2, 5, 6, 9]			
1444	24.4%	[0, 3, 7, 8, 10, 9]	[0, 10,

8, 7, 3, 9]			
670	24.4%	[0, 5, 4, 10, 6]	[0, 10,
4, 5, 6]			
1360	24.4%	[0, 3, 8, 4, 10, 6]	[0, 10,
4, 8, 3, 6]			
2011	24.4%	[0, 5, 1, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 5, 9]			
1780	24.4%	[0, 2, 1, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 2, 9]			
872	24.4%	[0, 2, 5, 1, 10, 9]	[0, 10,
1, 2, 5, 9]			
1628	24.4%	[0, 5, 2, 3, 1, 10, 9]	[0, 10,
1, 3, 2, 5, 9]			
1089	24.3%	[0, 1, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 6]			
3952	24.3%	[0, 1, 4, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 11, 5, 6, 9]			
3611	24.3%	[0, 1, 4, 5, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 12, 5, 9]			
1969	24.3%	[0, 11, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 11, 6]			
1906	24.3%	[0, 1, 3, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 9]			
880	24.3%	[0, 2, 7, 1, 10, 6]	[0, 10,
1, 7, 2, 6]			
3998	24.3%	[0, 4, 5, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 12, 2, 5, 6, 9]			
4080	24.3%	[0, 4, 5, 2, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 11, 12, 2, 5, 6, 9]			
2763	24.3%	[0, 1, 7, 3, 5, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 5, 6]			
2404	24.3%	[0, 3, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 9, 6]			
2942	24.3%	[0, 11, 12, 4, 1, 8, 10, 9]	[0, 10,
4, 1, 8, 11, 12, 9]			
2549	24.3%	[0, 2, 3, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 2, 9]			
4052	24.2%	[0, 1, 4, 5, 2, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 11, 2, 5, 6, 9]			
2740	24.2%	[0, 2, 1, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 2, 9, 6]			
2189	24.2%	[0, 10, 8, 7, 4, 5, 2]	[0, 10,
4, 8, 7, 2, 5]			
1414	24.2%	[0, 5, 3, 8, 10, 9]	[0, 10,
8, 3, 5, 9]			
1425	24.2%	[0, 3, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 6]			
202	24.2%	[0, 3, 7, 11]	[0, 7, 3,
11]			
3391	24.2%	[0, 1, 5, 2, 3, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 5, 9]			
3621	24.1%	[0, 11, 12, 4, 1, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 11, 12, 9, 6]			
2866	24.1%	[0, 1, 3, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 9, 6]			
1495	24.1%	[0, 4, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 6]			

3340	24.1%	[0, 2, 3, 7, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 2, 9, 6]			
373	24.1%	[0, 3, 1, 10, 9]	[0, 10,
1, 3, 9]			
3051	24.1%	[0, 5, 2, 3, 8, 10, 9, 6]	[0, 10,
8, 3, 2, 5, 6, 9]			
1887	24.0%	[0, 1, 3, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 6]			
1373	24.0%	[0, 3, 7, 4, 10, 9]	[0, 10,
4, 7, 3, 9]			
2354	24.0%	[0, 3, 7, 8, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 9]			
3097	24.0%	[0, 4, 5, 2, 8, 7, 9, 6]	[0, 4, 8,
7, 2, 5, 6, 9]			
2318	24.0%	[0, 7, 3, 5, 4, 10, 9]	[0, 10,
4, 7, 3, 5, 9]			
2913	24.0%	[0, 1, 7, 11, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 11, 5, 9]			
1348	24.0%	[0, 3, 5, 4, 10, 9]	[0, 10,
4, 5, 3, 9]			
2725	23.9%	[0, 2, 5, 1, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 2, 5, 9]			
971	23.9%	[0, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 9, 6]			
3453	23.9%	[0, 1, 7, 11, 2, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 11, 2, 5, 9]			
4053	23.9%	[0, 1, 4, 5, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 12, 2, 5, 6, 9]			
4091	23.9%	[0, 1, 4, 5, 2, 12, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 11, 12, 2, 5, 6, 9]			
3635	23.9%	[0, 7, 3, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 2, 5, 6, 9]			
1318	23.8%	[0, 2, 7, 8, 10, 9]	[0, 10,
8, 7, 2, 9]			
2338	23.8%	[0, 3, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 9, 6]			
3216	23.8%	[0, 3, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 9, 6]			
361	23.8%	[0, 3, 1, 10, 6]	[0, 10,
1, 3, 6]			
2308	23.8%	[0, 3, 5, 4, 10, 9, 6]	[0, 10,
4, 5, 3, 9, 6]			
2001	23.8%	[0, 1, 5, 8, 10, 9, 6]	[0, 10,
8, 1, 5, 6, 9]			
2192	23.8%	[0, 7, 2, 5, 4, 10, 9]	[0, 10,
4, 7, 2, 5, 9]			
1356	23.8%	[0, 3, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 6]			
2335	23.8%	[0, 3, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 6]			
3788	23.7%	[0, 4, 5, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 12, 5, 6, 9]			
203	23.7%	[0, 3, 7, 12]	[0, 7, 3,
12]			
656	23.7%	[0, 3, 7, 11, 12]	[0, 7, 3,
11, 12]			
1336	23.7%	[0, 3, 5, 4, 10, 6]	[0, 10,

4, 5, 3, 6]		
1508	23.7%	[0, 12, 4, 8, 10, 6]
4, 8, 12, 6]		[0, 10,
641	23.7%	[0, 3, 10, 9, 6]
9, 6, 3]		[0, 10,
2278	23.7%	[0, 2, 7, 8, 10, 9, 6]
8, 7, 2, 9, 6]		[0, 10,
1529	23.7%	[0, 5, 8, 7, 9, 6]
5, 6, 9]		[0, 8, 7,
1653	23.7%	[0, 2, 3, 7, 1, 10, 9]
1, 7, 3, 2, 9]		[0, 10,
2389	23.6%	[0, 5, 3, 7, 8, 10, 9]
8, 7, 3, 5, 9]		[0, 10,
1214	23.6%	[0, 2, 5, 4, 7, 9]
2, 5, 9]		[0, 4, 7,
2967	23.6%	[0, 11, 12, 7, 1, 8, 10, 6]
8, 7, 1, 11, 12, 6]		[0, 10,
1062	23.6%	[0, 5, 1, 10, 9, 6]
1, 5, 6, 9]		[0, 10,
1068	23.6%	[0, 1, 5, 8, 7, 9]
7, 5, 9]		[0, 1, 8,
414	23.6%	[0, 5, 1, 7, 9]
5, 9]		[0, 1, 7,
1876	23.6%	[0, 1, 5, 3, 8, 10, 9]
8, 1, 3, 5, 9]		[0, 10,
3899	23.5%	[0, 1, 7, 11, 12, 2, 5, 4, 10, 9]
4, 1, 7, 11, 12, 2, 5, 9]		[0, 10,
3454	23.5%	[0, 1, 7, 12, 2, 5, 4, 10, 9]
4, 1, 7, 12, 2, 5, 9]		[0, 10,
2604	23.5%	[0, 2, 3, 7, 1, 10, 9, 6]
1, 7, 3, 2, 9, 6]		[0, 10,
1835	23.5%	[0, 3, 7, 1, 4, 10, 9]
4, 1, 7, 3, 9]		[0, 10,
1957	23.5%	[0, 1, 4, 7, 8, 10, 6]
4, 1, 8, 7, 6]		[0, 10,
1247	23.5%	[0, 2, 7, 4, 10, 9]
4, 7, 2, 9]		[0, 10,
3687	23.5%	[0, 5, 2, 3, 7, 8, 10, 9, 6]
8, 7, 3, 2, 5, 6, 9]		[0, 10,
3427	23.4%	[0, 1, 4, 5, 2, 8, 7, 9, 6]
8, 7, 2, 5, 6, 9]		[0, 4, 1,
3381	23.4%	[0, 1, 5, 2, 3, 8, 10, 9, 6]
8, 1, 3, 2, 5, 6, 9]		[0, 10,
196	23.4%	[0, 3, 10, 6]
6, 3]		[0, 10,
2263	23.4%	[0, 5, 2, 7, 8, 10, 9]
8, 7, 2, 5, 9]		[0, 10,
3268	23.4%	[0, 4, 5, 11, 7, 8, 10, 6]
4, 8, 7, 11, 5, 6]		[0, 10,
248	23.4%	[0, 7, 8, 5]
5]		[0, 8, 7,
3953	23.3%	[0, 1, 4, 5, 12, 7, 8, 10, 9, 6]
4, 1, 8, 7, 12, 5, 6, 9]		[0, 10,
3487	23.3%	[0, 1, 5, 2, 12, 7, 8, 10, 6]
8, 7, 1, 2, 5, 12, 6]		[0, 10,
2800	23.3%	[0, 3, 7, 1, 4, 10, 9, 6]
4, 1, 7, 3, 9, 6]		[0, 10,

1731	23.3%	[0, 1, 5, 2, 8, 10, 6]	[0, 10,
8, 1, 2, 5, 6]			
1970	23.3%	[0, 12, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 12, 6]			
2212	23.3%	[0, 2, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 2, 9, 6]			
3718	23.3%	[0, 4, 5, 2, 11, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 11, 2, 5, 6]			
956	23.3%	[0, 5, 3, 1, 10, 9]	[0, 10,
1, 3, 5, 9]			
3604	23.3%	[0, 1, 7, 12, 11, 5, 4, 10, 6]	[0, 10,
4, 1, 7, 11, 12, 5, 6]			
1818	23.3%	[0, 3, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 6]			
2584	23.2%	[0, 5, 2, 3, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 2, 5, 9]			
2651	23.2%	[0, 10, 8, 7, 1, 4, 5, 2]	[0, 10,
4, 1, 8, 7, 2, 5]			
2943	23.2%	[0, 5, 1, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 5, 6, 9]			
2574	23.1%	[0, 5, 2, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 2, 5, 6, 9]			
1734	23.1%	[0, 2, 5, 1, 10, 9, 6]	[0, 10,
1, 2, 5, 6, 9]			
2851	23.1%	[0, 1, 5, 3, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 5, 9]			
1461	23.1%	[0, 5, 4, 7, 10, 6]	[0, 10,
4, 7, 5, 6]			
1676	23.1%	[0, 2, 5, 4, 1, 7, 9]	[0, 4, 1,
7, 2, 5, 9]			
3135	23.1%	[0, 4, 2, 11, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 11, 2, 6]			
2914	23.0%	[0, 1, 7, 12, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 12, 5, 9]			
3284	23.0%	[0, 7, 12, 11, 5, 4, 10, 9]	[0, 10,
4, 7, 11, 12, 5, 9]			
3598	23.0%	[0, 1, 4, 5, 11, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 11, 5, 6]			
512	23.0%	[0, 4, 7, 8, 2]	[0, 4, 8,
7, 2]			
2281	23.0%	[0, 2, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 11, 2, 6]			
3852	23.0%	[0, 1, 5, 2, 3, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 5, 6, 9]			
2379	23.0%	[0, 5, 3, 8, 10, 9, 6]	[0, 10,
8, 3, 5, 6, 9]			
3719	23.0%	[0, 4, 5, 2, 12, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 12, 2, 5, 6]			
4000	23.0%	[0, 4, 5, 2, 11, 12, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 11, 12, 2, 5, 6]			
3601	22.9%	[0, 1, 7, 11, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 11, 5, 6, 9]			
3465	22.9%	[0, 4, 1, 2, 11, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 11, 2, 6]			
3883	22.9%	[0, 1, 4, 5, 2, 11, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 11, 2, 5, 6]			
981	22.9%	[0, 3, 7, 1, 10, 9]	[0, 10,

1, 7, 3, 9]		
3886	22.9%	[0, 1, 7, 11, 2, 5, 4, 10, 9, 6]
4, 1, 7, 11, 2, 5, 6, 9]		[0, 10,
307	22.9%	[0, 1, 4, 5, 2]
2, 5]		[0, 4, 1,
729	22.8%	[0, 5, 8, 10, 6]
8, 5, 6]		[0, 10,
3185	22.8%	[0, 7, 3, 5, 4, 10, 9, 6]
4, 7, 3, 5, 6, 9]		[0, 10,
1269	22.8%	[0, 5, 2, 8, 10, 6]
8, 2, 5, 6]		[0, 10,
1890	22.7%	[0, 3, 7, 1, 10, 9, 6]
1, 7, 3, 9, 6]		[0, 10,
3483	22.7%	[0, 2, 5, 1, 7, 8, 10, 9, 6]
8, 7, 1, 2, 5, 6, 9]		[0, 10,
3739	22.7%	[0, 4, 2, 11, 12, 7, 8, 10, 6]
4, 8, 7, 11, 12, 2, 6]		[0, 10,
3136	22.7%	[0, 4, 2, 12, 7, 8, 10, 6]
4, 8, 7, 12, 2, 6]		[0, 10,
964	22.7%	[0, 3, 7, 1, 10, 6]
1, 7, 3, 6]		[0, 10,
2215	22.7%	[0, 2, 11, 7, 4, 10, 6]
4, 7, 11, 2, 6]		[0, 10,
3299	22.7%	[0, 5, 11, 12, 7, 8, 10, 9]
8, 7, 11, 12, 5, 9]		[0, 10,
3177	22.6%	[0, 2, 11, 12, 7, 8, 10, 6]
8, 7, 11, 12, 2, 6]		[0, 10,
2282	22.6%	[0, 2, 12, 7, 8, 10, 6]
8, 7, 12, 2, 6]		[0, 10,
3101	22.6%	[0, 7, 2, 5, 4, 10, 9, 6]
4, 7, 2, 5, 6, 9]		[0, 10,
667	22.6%	[0, 5, 4, 7, 6]
5, 6]		[0, 4, 7,
1459	22.6%	[0, 4, 5, 8, 7, 6]
7, 5, 6]		[0, 4, 8,
3466	22.6%	[0, 4, 1, 2, 12, 7, 8, 10, 6]
4, 1, 8, 7, 12, 2, 6]		[0, 10,
3904	22.6%	[0, 4, 1, 2, 11, 12, 7, 8, 10, 6]
4, 1, 8, 7, 11, 12, 2, 6]		[0, 10,
3884	22.6%	[0, 1, 4, 5, 2, 12, 7, 8, 10, 6]
4, 1, 8, 7, 12, 2, 5, 6]		[0, 10,
4055	22.6%	[0, 1, 4, 5, 2, 12, 11, 7, 8, 10, 6]
4, 1, 8, 7, 11, 12, 2, 5, 6]		[0, 10,
4056	22.5%	[0, 1, 7, 11, 12, 2, 5, 4, 10, 9, 6]
4, 1, 7, 11, 12, 2, 5, 6, 9]		[0, 10,
3887	22.5%	[0, 1, 7, 12, 2, 5, 4, 10, 9, 6]
4, 1, 7, 12, 2, 5, 6, 9]		[0, 10,
897	22.5%	[0, 2, 7, 1, 10, 9]
1, 7, 2, 9]		[0, 10,
3269	22.4%	[0, 4, 5, 12, 7, 8, 10, 6]
4, 8, 7, 12, 5, 6]		[0, 10,
2109	22.4%	[0, 5, 2, 3, 8, 10, 6]
8, 3, 2, 5, 6]		[0, 10,
3237	22.4%	[0, 5, 3, 7, 8, 10, 9, 6]
8, 7, 3, 5, 6, 9]		[0, 10,
2841	22.4%	[0, 1, 5, 3, 8, 10, 9, 6]
8, 1, 3, 5, 6, 9]		[0, 10,

1764	22.4%	[0, 2, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 2, 9, 6]			
1549	22.3%	[0, 5, 7, 8, 10, 9]	[0, 10,
8, 7, 5, 9]			
3141	22.3%	[0, 2, 11, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 11, 12, 2, 6]			
2216	22.3%	[0, 2, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 12, 2, 6]			
1054	22.3%	[0, 5, 1, 7, 9, 6]	[0, 1, 7,
5, 6, 9]			
1991	22.3%	[0, 1, 5, 8, 7, 9, 6]	[0, 1, 8,
7, 5, 6, 9]			
2677	22.3%	[0, 2, 11, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 11, 2, 6]			
2973	22.3%	[0, 7, 3, 2, 5, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 5, 6]			
1870	22.3%	[0, 5, 3, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 5, 9]			
2174	22.2%	[0, 2, 5, 4, 7, 9, 6]	[0, 4, 7,
2, 5, 6, 9]			
3153	22.2%	[0, 5, 2, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 2, 5, 6, 9]			
1072	22.2%	[0, 5, 1, 7, 10, 9]	[0, 10,
1, 7, 5, 9]			
2041	22.2%	[0, 11, 7, 1, 8, 10, 9]	[0, 10,
8, 7, 1, 11, 9]			
208	22.2%	[0, 3, 10, 9]	[0, 10,
9, 3]			
1059	22.2%	[0, 1, 5, 8, 10, 6]	[0, 10,
8, 1, 5, 6]			
1921	22.1%	[0, 1, 4, 5, 8, 7, 6]	[0, 4, 1,
8, 7, 5, 6]			
997	22.1%	[0, 5, 4, 1, 7, 6]	[0, 4, 1,
7, 5, 6]			
1860	22.1%	[0, 5, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 5, 6, 9]			
1744	22.1%	[0, 5, 2, 7, 1, 10, 9]	[0, 10,
1, 7, 2, 5, 9]			
2964	22.1%	[0, 11, 7, 1, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 11, 9, 6]			
3599	22.1%	[0, 1, 4, 5, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 12, 5, 6]			
3375	22.1%	[0, 5, 2, 3, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 2, 5, 6, 9]			
1525	22.1%	[0, 12, 4, 8, 10, 9]	[0, 10,
4, 8, 12, 9]			
3602	22.0%	[0, 1, 7, 12, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 12, 5, 6, 9]			
1111	22.0%	[0, 10, 8, 1, 7, 11]	[0, 10,
8, 7, 1, 11]			
3791	22.0%	[0, 7, 12, 11, 5, 4, 10, 9, 6]	[0, 10,
4, 7, 11, 12, 5, 6, 9]			
3471	22.0%	[0, 2, 11, 12, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 11, 12, 2, 6]			
2678	22.0%	[0, 2, 12, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 12, 2, 6]			
410	22.0%	[0, 5, 1, 10, 6]	[0, 10,

1, 5, 6]		
3567	22.0%	[0, 1, 5, 3, 7, 8, 10, 9, 6]
8, 7, 1, 3, 5, 6, 9]		[0, 10,
2471	21.9%	[0, 12, 4, 8, 10, 9, 6]
4, 8, 12, 9, 6]		[0, 10,
3965	21.9%	[0, 4, 5, 2, 3, 12, 7, 8, 10, 6]
4, 8, 7, 3, 2, 5, 12, 6]		[0, 10,
2029	21.9%	[0, 11, 7, 1, 8, 10, 6]
8, 7, 1, 11, 6]		[0, 10,
1767	21.9%	[0, 2, 11, 7, 1, 10, 6]
1, 7, 11, 2, 6]		[0, 10,
2970	21.8%	[0, 11, 12, 7, 1, 8, 10, 9]
8, 7, 1, 11, 12, 9]		[0, 10,
3042	21.8%	[0, 5, 2, 3, 7, 8, 10, 6]
8, 7, 3, 2, 5, 6]		[0, 10,
2571	21.8%	[0, 1, 5, 2, 3, 8, 10, 6]
8, 1, 3, 2, 5, 6]		[0, 10,
2636	21.7%	[0, 2, 5, 4, 1, 7, 9, 6]
7, 2, 5, 6, 9]		[0, 4, 1,
3499	21.7%	[0, 1, 5, 2, 12, 7, 8, 10, 9]
8, 7, 1, 2, 5, 12, 9]		[0, 10,
3630	21.7%	[0, 11, 12, 7, 1, 8, 10, 9, 6]
8, 7, 1, 11, 12, 9, 6]		[0, 10,
1987	21.7%	[0, 12, 4, 1, 8, 10, 9]
4, 1, 8, 12, 9]		[0, 10,
3795	21.7%	[0, 5, 11, 12, 7, 8, 10, 9, 6]
8, 7, 11, 12, 5, 6, 9]		[0, 10,
1181	21.6%	[0, 2, 3, 10, 9, 6]
9, 6, 3, 2]		[0, 10,
1112	21.6%	[0, 10, 8, 1, 7, 12]
8, 7, 1, 12]		[0, 10,
2044	21.6%	[0, 10, 8, 1, 7, 11, 12]
8, 7, 1, 11, 12]		[0, 10,
3909	21.6%	[0, 1, 5, 2, 12, 7, 8, 10, 9, 6]
8, 7, 1, 2, 5, 12, 9, 6]		[0, 10,
2894	21.6%	[0, 1, 7, 11, 5, 4, 10, 6]
4, 1, 7, 11, 5, 6]		[0, 10,
2962	21.6%	[0, 5, 11, 12, 7, 1, 10, 9]
1, 7, 11, 12, 5, 9]		[0, 10,
2933	21.6%	[0, 12, 4, 1, 8, 10, 9, 6]
4, 1, 8, 12, 9, 6]		[0, 10,
1992	21.6%	[0, 5, 1, 7, 8, 10, 6]
8, 7, 1, 5, 6]		[0, 10,
4020	21.5%	[0, 1, 4, 5, 2, 3, 12, 7, 8, 10, 6]
4, 1, 8, 7, 3, 2, 5, 12, 6]		[0, 10,
860	21.5%	[0, 2, 5, 1, 10, 6]
1, 2, 5, 6]		[0, 10,
1616	21.5%	[0, 5, 2, 3, 1, 10, 6]
1, 3, 2, 5, 6]		[0, 10,
3434	21.5%	[0, 1, 7, 11, 2, 5, 4, 10, 6]
4, 1, 7, 11, 2, 5, 6]		[0, 10,
2030	21.5%	[0, 1, 12, 7, 8, 10, 6]
8, 7, 1, 12, 6]		[0, 10,
1768	21.5%	[0, 2, 12, 7, 1, 10, 6]
1, 7, 12, 2, 6]		[0, 10,
2749	21.5%	[0, 2, 11, 12, 7, 1, 10, 6]
1, 7, 11, 12, 2, 6]		[0, 10,

1483	21.5%	[0, 5, 4, 7, 11, 12]	[0, 4, 7,
11, 12, 5]			
1477	21.5%	[0, 4, 5, 8, 7, 12]	[0, 4, 8,
7, 12, 5]			
2450	21.5%	[0, 4, 5, 8, 7, 11, 12]	[0, 4, 8,
7, 11, 12, 5]			
677	21.5%	[0, 5, 4, 7, 12]	[0, 4, 7,
12, 5]			
328	21.5%	[0, 1, 7, 8, 2]	[0, 1, 8,
7, 2]			
842	21.5%	[0, 1, 4, 7, 8, 2]	[0, 4, 1,
8, 7, 2]			
3911	21.4%	[0, 1, 5, 2, 11, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 2, 5, 11, 12, 6]			
481	21.4%	[0, 2, 3, 10, 6]	[0, 10,
6, 3, 2]			
3372	21.4%	[0, 1, 5, 2, 3, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 2, 5, 6]			
1395	21.4%	[0, 5, 3, 8, 10, 6]	[0, 10,
8, 3, 5, 6]			
1020	21.3%	[0, 1, 7, 4, 10, 6]	[0, 10,
4, 1, 7, 6]			
3147	21.3%	[0, 4, 2, 11, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 11, 2, 9]			
2451	21.3%	[0, 7, 11, 5, 4, 10, 9]	[0, 10,
4, 7, 11, 5, 9]			
2301	21.3%	[0, 7, 3, 5, 4, 10, 6]	[0, 10,
4, 7, 3, 5, 6]			
3123	21.3%	[0, 7, 11, 2, 5, 4, 10, 9]	[0, 10,
4, 7, 11, 2, 5, 9]			
3477	21.2%	[0, 4, 1, 2, 11, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 11, 2, 9]			
2293	21.2%	[0, 2, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 11, 2, 9]			
2112	21.2%	[0, 5, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 2, 5]			
3736	21.2%	[0, 4, 2, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 11, 2, 9, 6]			
3435	21.2%	[0, 1, 7, 12, 2, 5, 4, 10, 6]	[0, 10,
4, 1, 7, 12, 2, 5, 6]			
3889	21.2%	[0, 1, 7, 11, 12, 2, 5, 4, 10, 6]	[0, 10,
4, 1, 7, 11, 12, 2, 5, 6]			
2481	21.2%	[0, 5, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 5, 6, 9]			
4040	21.2%	[0, 4, 1, 3, 2, 12, 11, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 11, 12, 6]			
3835	21.2%	[0, 4, 1, 3, 2, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 12, 6]			
2706	21.2%	[0, 2, 5, 1, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 2, 5, 6]			
1995	21.1%	[0, 5, 1, 7, 10, 9, 6]	[0, 10,
1, 7, 5, 6, 9]			
835	21.1%	[0, 1, 4, 5, 2, 12]	[0, 4, 1,
2, 5, 12]			
3755	21.1%	[0, 4, 5, 3, 12, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 3, 5, 12, 6]			
2835	21.1%	[0, 5, 3, 7, 1, 10, 9, 6]	[0, 10,

1, 7, 3, 5, 6, 9]		
3901	21.1%	[0, 4, 1, 2, 11, 7, 8, 10, 9, 6]
4, 1, 8, 7, 11, 2, 9, 6]		[0, 10,
3174	21.1%	[0, 2, 11, 7, 8, 10, 9, 6]
8, 7, 11, 2, 9, 6]		[0, 10,
2175	21.1%	[0, 7, 2, 5, 4, 10, 6]
4, 7, 2, 5, 6]		[0, 10,
3742	21.0%	[0, 4, 2, 11, 12, 7, 8, 10, 9]
4, 8, 7, 11, 12, 2, 9]		[0, 10,
3148	21.0%	[0, 4, 2, 12, 7, 8, 10, 9]
4, 8, 7, 12, 2, 9]		[0, 10,
1154	21.0%	[0, 5, 2, 3, 10, 6]
6, 3, 2, 5]		[0, 10,
2709	21.0%	[0, 5, 2, 7, 1, 10, 9, 6]
1, 7, 2, 5, 6, 9]		[0, 10,
2496	21.0%	[0, 5, 11, 7, 8, 10, 9]
8, 7, 11, 5, 9]		[0, 10,
236	20.9%	[0, 4, 10, 9]
4, 9]		[0, 10,
2234	20.9%	[0, 2, 11, 7, 4, 10, 9]
4, 7, 11, 2, 9]		[0, 10,
3124	20.9%	[0, 7, 12, 2, 5, 4, 10, 9]
4, 7, 12, 2, 5, 9]		[0, 10,
3734	20.9%	[0, 7, 11, 12, 2, 5, 4, 10, 9]
4, 7, 11, 12, 2, 5, 9]		[0, 10,
563	20.9%	[0, 2, 8, 7, 9]
2, 9]		[0, 8, 7,
3907	20.9%	[0, 4, 1, 2, 11, 12, 7, 8, 10, 9]
4, 1, 8, 7, 11, 12, 2, 9]		[0, 10,
3478	20.9%	[0, 4, 1, 2, 12, 7, 8, 10, 9]
4, 1, 8, 7, 12, 2, 9]		[0, 10,
3168	20.9%	[0, 5, 2, 11, 7, 8, 10, 9]
8, 7, 11, 2, 5, 9]		[0, 10,
3180	20.9%	[0, 2, 11, 12, 7, 8, 10, 9]
8, 7, 11, 12, 2, 9]		[0, 10,
2294	20.9%	[0, 2, 12, 7, 8, 10, 9]
8, 7, 12, 2, 9]		[0, 10,
4004	20.9%	[0, 4, 2, 11, 12, 7, 8, 10, 9, 6]
4, 8, 7, 11, 12, 2, 9, 6]		[0, 10,
3737	20.9%	[0, 4, 2, 12, 7, 8, 10, 9, 6]
4, 8, 7, 12, 2, 9, 6]		[0, 10,
2370	20.8%	[0, 5, 3, 7, 8, 10, 6]
8, 7, 3, 5, 6]		[0, 10,
3080	20.8%	[0, 3, 2, 12, 7, 8, 10, 6]
8, 7, 3, 2, 12, 6]		[0, 10,
3711	20.8%	[0, 3, 2, 11, 12, 7, 8, 10, 6]
8, 7, 3, 2, 11, 12, 6]		[0, 10,
1857	20.8%	[0, 1, 5, 3, 8, 10, 6]
8, 1, 3, 5, 6]		[0, 10,
3138	20.8%	[0, 2, 11, 7, 4, 10, 9, 6]
4, 7, 11, 2, 9, 6]		[0, 10,
3507	20.8%	[0, 1, 2, 11, 12, 7, 8, 10, 6]
8, 7, 1, 2, 11, 12, 6]		[0, 10,
3876	20.8%	[0, 1, 3, 2, 11, 12, 7, 8, 10, 6]
8, 7, 1, 3, 2, 11, 12, 6]		[0, 10,
2744	20.8%	[0, 1, 2, 12, 7, 8, 10, 6]
8, 7, 1, 2, 12, 6]		[0, 10,

3410	20.8%	[0, 1, 3, 2, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 2, 12, 6]			
3920	20.8%	[0, 1, 4, 5, 3, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 5, 12, 6]			
4059	20.8%	[0, 4, 1, 2, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 11, 12, 2, 9, 6]			
3902	20.8%	[0, 4, 1, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 12, 2, 9, 6]			
3175	20.8%	[0, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 12, 2, 9, 6]			
3750	20.8%	[0, 2, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 11, 12, 2, 9, 6]			
1298	20.8%	[0, 2, 8, 7, 9, 6]	[0, 8, 7,
2, 9, 6]			
2895	20.7%	[0, 1, 7, 12, 5, 4, 10, 6]	[0, 10,
4, 1, 7, 12, 5, 6]			
697	20.7%	[0, 4, 10, 9, 6]	[0, 10,
4, 9, 6]			
3274	20.7%	[0, 7, 12, 11, 5, 4, 10, 6]	[0, 10,
4, 7, 11, 12, 5, 6]			
2244	20.7%	[0, 5, 2, 7, 8, 10, 6]	[0, 10,
8, 7, 2, 5, 6]			
1945	20.7%	[0, 5, 4, 1, 7, 11, 12]	[0, 4, 1,
7, 11, 12, 5]			
1007	20.7%	[0, 5, 4, 1, 7, 12]	[0, 4, 1,
7, 12, 5]			
2912	20.7%	[0, 5, 4, 1, 8, 7, 11, 12]	[0, 4, 1,
8, 7, 11, 12, 5]			
1939	20.7%	[0, 5, 4, 1, 8, 7, 12]	[0, 4, 1,
8, 7, 12, 5]			
3151	20.6%	[0, 2, 11, 12, 7, 4, 10, 9]	[0, 10,
4, 7, 11, 12, 2, 9]			
2235	20.6%	[0, 2, 12, 7, 4, 10, 9]	[0, 10,
4, 7, 12, 2, 9]			
4085	20.6%	[0, 4, 1, 3, 2, 5, 11, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11, 12, 6]			
3627	20.6%	[0, 5, 11, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 11, 12, 5, 6, 9]			
944	20.6%	[0, 5, 3, 1, 10, 6]	[0, 10,
1, 3, 5, 6]			
2696	20.6%	[0, 2, 11, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 11, 2, 9]			
3626	20.6%	[0, 1, 5, 11, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 5, 11, 12, 6]			
3749	20.6%	[0, 5, 2, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 11, 12, 2, 5, 9]			
3169	20.6%	[0, 5, 2, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 12, 2, 5, 9]			
3985	20.5%	[0, 3, 2, 11, 12, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 2, 11, 12, 6]			
3675	20.5%	[0, 3, 2, 11, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 11, 12, 6]			
3670	20.5%	[0, 3, 2, 12, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 2, 12, 6]			
3014	20.5%	[0, 3, 2, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 12, 6]			
2567	20.5%	[0, 5, 2, 3, 7, 1, 10, 6]	[0, 10,

1, 7, 3, 2, 5, 6]		
1514	20.5%	[0, 4, 7, 8, 10, 9]
4, 8, 7, 9]		[0, 10,
3139	20.5%	[0, 2, 12, 7, 4, 10, 9, 6]
4, 7, 12, 2, 9, 6]		[0, 10,
3740	20.5%	[0, 2, 11, 12, 7, 4, 10, 9, 6]
4, 7, 11, 12, 2, 9, 6]		[0, 10,
1278	20.5%	[0, 5, 2, 8, 7, 9]
2, 5, 9]		[0, 8, 7,
3468	20.5%	[0, 2, 11, 7, 1, 4, 10, 9, 6]
4, 1, 7, 11, 2, 9, 6]		[0, 10,
2452	20.5%	[0, 7, 12, 5, 4, 10, 9]
4, 7, 12, 5, 9]		[0, 10,
3550	20.5%	[0, 4, 1, 3, 12, 7, 8, 10, 6]
4, 1, 8, 7, 3, 12, 6]		[0, 10,
3940	20.5%	[0, 4, 1, 3, 11, 12, 7, 8, 10, 6]
4, 1, 8, 7, 3, 11, 12, 6]		[0, 10,
2832	20.4%	[0, 1, 5, 3, 7, 8, 10, 6]
8, 7, 1, 3, 5, 6]		[0, 10,
216	20.4%	[0, 8, 4, 5]
5]		[0, 4, 8,
2460	20.3%	[0, 4, 7, 8, 10, 9, 6]
4, 8, 7, 9, 6]		[0, 10,
3296	20.3%	[0, 5, 11, 12, 7, 8, 10, 6]
8, 7, 11, 12, 5, 6]		[0, 10,
863	20.3%	[0, 1, 7, 8, 2, 5]
7, 2, 5]		[0, 1, 8,
3804	20.3%	[0, 1, 7, 12, 3, 2, 5, 4, 10, 6]
4, 1, 7, 3, 2, 5, 12, 6]		[0, 10,
3271	20.3%	[0, 7, 11, 5, 4, 10, 9, 6]
4, 7, 11, 5, 6, 9]		[0, 10,
3992	20.3%	[0, 3, 2, 5, 11, 12, 7, 8, 10, 6]
8, 7, 3, 2, 5, 11, 12, 6]		[0, 10,
1398	20.2%	[0, 5, 3, 10, 9, 6]
9, 6, 3, 5]		[0, 10,
4047	20.2%	[0, 1, 3, 2, 5, 11, 12, 7, 8, 10, 6]
8, 7, 1, 3, 2, 5, 11, 12, 6]		[0, 10,
2697	20.2%	[0, 2, 12, 7, 1, 4, 10, 9]
4, 1, 7, 12, 2, 9]		[0, 10,
3481	20.2%	[0, 2, 11, 12, 7, 1, 4, 10, 9]
4, 1, 7, 11, 12, 2, 9]		[0, 10,
3977	20.2%	[0, 4, 5, 2, 3, 12, 7, 8, 10, 9]
4, 8, 7, 3, 2, 5, 12, 9]		[0, 10,
3840	20.2%	[0, 3, 2, 11, 12, 7, 1, 4, 10, 6]
4, 1, 7, 3, 2, 11, 12, 6]		[0, 10,
3344	20.2%	[0, 3, 2, 12, 7, 1, 4, 10, 6]
4, 1, 7, 3, 2, 12, 6]		[0, 10,
3721	20.2%	[0, 7, 11, 2, 5, 4, 10, 9, 6]
4, 7, 11, 2, 5, 6, 9]		[0, 10,
3905	20.1%	[0, 2, 11, 12, 7, 1, 4, 10, 9, 6]
4, 1, 7, 11, 12, 2, 9, 6]		[0, 10,
1786	20.1%	[0, 2, 11, 7, 1, 10, 9]
1, 7, 11, 2, 9]		[0, 10,
3469	20.1%	[0, 2, 12, 7, 1, 4, 10, 9, 6]
4, 1, 7, 12, 2, 9, 6]		[0, 10,
493	20.1%	[0, 2, 3, 10, 9]
9, 3, 2]		[0, 10,

3261	20.1%	[0, 3, 11, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 11, 12, 6]			
2408	20.1%	[0, 3, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 12, 6]			
2870	20.1%	[0, 1, 3, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 12, 6]			
3591	20.1%	[0, 1, 3, 11, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 11, 12, 6]			
4072	20.1%	[0, 4, 5, 2, 3, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 2, 5, 12, 9, 6]			
2497	20.1%	[0, 5, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 12, 5, 9]			
2947	20.0%	[0, 1, 5, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 5, 12, 6]			
2746	20.0%	[0, 2, 11, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 11, 2, 9, 6]			
614	20.0%	[0, 5, 3, 10, 6]	[0, 10,
6, 3, 5]			
3498	20.0%	[0, 1, 5, 2, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 2, 5, 11, 9]			
3970	20.0%	[0, 3, 2, 5, 11, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 5, 11, 12, 6]			
4074	20.0%	[0, 3, 2, 5, 11, 12, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 2, 5, 11, 12, 6]			
1243	19.9%	[0, 2, 8, 7, 4, 9]	[0, 4, 8,
7, 2, 9]			
2057	19.9%	[0, 4, 5, 2, 3, 7, 12]	[0, 4, 7,
3, 2, 5, 12]			
1976	19.9%	[0, 1, 4, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 9]			
2342	19.9%	[0, 3, 7, 12, 4, 10, 6]	[0, 10,
4, 7, 3, 12, 6]			
3225	19.9%	[0, 3, 7, 11, 12, 4, 10, 6]	[0, 10,
4, 7, 3, 11, 12, 6]			
3908	19.9%	[0, 1, 5, 2, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 2, 5, 11, 9, 6]			
2017	19.9%	[0, 5, 11, 7, 1, 10, 9]	[0, 10,
1, 7, 11, 5, 9]			
4001	19.9%	[0, 7, 11, 12, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 7, 11, 12, 2, 5, 6, 9]			
3722	19.9%	[0, 7, 12, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 7, 12, 2, 5, 6, 9]			
3293	19.9%	[0, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 11, 5, 6, 9]			
106	19.9%	[0, 7, 1, 5]	[0, 1, 7,
5]			
4032	19.9%	[0, 1, 4, 5, 2, 3, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 12, 9]			
4064	19.9%	[0, 4, 1, 3, 5, 11, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 5, 11, 12, 6]			
3220	19.8%	[0, 3, 12, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 12, 6]			
3775	19.8%	[0, 3, 11, 12, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 11, 12, 6]			
1787	19.8%	[0, 2, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 12, 2, 9]			
2759	19.8%	[0, 2, 11, 12, 7, 1, 10, 9]	[0, 10,

1, 7, 11, 12, 2, 9]		
2731	19.8%	[0, 5, 2, 11, 7, 1, 10, 9]
1, 7, 11, 2, 5, 9]		[0, 10,
3743	19.8%	[0, 5, 2, 11, 7, 8, 10, 9, 6]
8, 7, 11, 2, 5, 6, 9]		[0, 10,
2208	19.8%	[0, 2, 8, 7, 4, 9, 6]
7, 2, 9, 6]		[0, 4, 8,
3415	19.8%	[0, 3, 2, 11, 12, 7, 1, 10, 6]
1, 7, 3, 2, 11, 12, 6]		[0, 10,
2608	19.8%	[0, 3, 2, 12, 7, 1, 10, 6]
1, 7, 3, 2, 12, 6]		[0, 10,
4083	19.8%	[0, 1, 4, 5, 2, 3, 12, 7, 8, 10, 9, 6]
4, 1, 8, 7, 3, 2, 5, 12, 9, 6]		[0, 10,
2922	19.8%	[0, 1, 4, 7, 8, 10, 9, 6]
4, 1, 8, 7, 9, 6]		[0, 10,
3856	19.8%	[0, 1, 3, 2, 5, 12, 7, 8, 10, 6]
8, 7, 1, 3, 2, 5, 12, 6]		[0, 10,
1055	19.8%	[0, 5, 1, 7, 10, 6]
1, 7, 5, 6]		[0, 10,
3691	19.8%	[0, 3, 2, 5, 12, 7, 8, 10, 6]
8, 7, 3, 2, 5, 12, 6]		[0, 10,
2747	19.7%	[0, 2, 12, 7, 1, 10, 9, 6]
1, 7, 12, 2, 9, 6]		[0, 10,
3508	19.7%	[0, 2, 11, 12, 7, 1, 10, 9, 6]
1, 7, 11, 12, 2, 9, 6]		[0, 10,
3486	19.7%	[0, 1, 5, 2, 11, 7, 8, 10, 6]
8, 7, 1, 2, 5, 11, 6]		[0, 10,
1530	19.7%	[0, 5, 7, 8, 10, 6]
8, 7, 5, 6]		[0, 10,
1166	19.7%	[0, 5, 2, 3, 10, 9]
9, 3, 2, 5]		[0, 10,
3914	19.7%	[0, 1, 5, 2, 11, 12, 7, 8, 10, 9]
8, 7, 1, 2, 5, 11, 12, 9]		[0, 10,
2042	19.7%	[0, 1, 12, 7, 8, 10, 9]
8, 7, 1, 12, 9]		[0, 10,
3846	19.7%	[0, 4, 1, 3, 2, 11, 7, 8, 10, 9]
4, 1, 8, 7, 3, 2, 11, 9]		[0, 10,
4025	19.7%	[0, 3, 2, 5, 11, 12, 7, 1, 4, 10, 6]
4, 1, 7, 3, 2, 5, 11, 12, 6]		[0, 10,
1853	19.7%	[0, 5, 3, 7, 1, 10, 6]
1, 7, 3, 5, 6]		[0, 10,
2989	19.6%	[0, 4, 5, 2, 3, 8, 7, 12]
7, 3, 2, 5, 12]		[0, 4, 8,
4060	19.6%	[0, 1, 5, 2, 11, 12, 7, 8, 10, 9, 6]
8, 7, 1, 2, 5, 11, 12, 9, 6]		[0, 10,
2965	19.6%	[0, 1, 12, 7, 8, 10, 9, 6]
8, 7, 1, 12, 9, 6]		[0, 10,
4037	19.6%	[0, 4, 1, 3, 2, 11, 7, 8, 10, 9, 6]
4, 1, 8, 7, 3, 2, 11, 9, 6]		[0, 10,
3519	19.6%	[0, 1, 7, 12, 3, 5, 4, 10, 6]
4, 1, 7, 3, 5, 12, 6]		[0, 10,
3502	19.5%	[0, 5, 2, 11, 12, 7, 1, 10, 9]
1, 7, 11, 12, 2, 5, 9]		[0, 10,
2732	19.5%	[0, 5, 2, 12, 7, 1, 10, 9]
1, 7, 12, 2, 5, 9]		[0, 10,
2804	19.5%	[0, 3, 12, 7, 1, 4, 10, 6]
4, 1, 7, 3, 12, 6]		[0, 10,

3555	19.5%	[0, 3, 11, 12, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 11, 12, 6]			
3947	19.5%	[0, 1, 3, 5, 11, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 5, 11, 12, 6]			
3782	19.5%	[0, 3, 5, 11, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 5, 11, 12, 6]			
1727	19.5%	[0, 5, 2, 7, 1, 10, 6]	[0, 10,
1, 7, 2, 5, 6]			
1705	19.5%	[0, 2, 8, 7, 1, 4, 9]	[0, 4, 1,
8, 7, 2, 9]			
893	19.5%	[0, 1, 2, 8, 7, 9]	[0, 1, 8,
7, 2, 9]			
3639	19.5%	[0, 3, 2, 5, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 5, 12, 6]			
4005	19.5%	[0, 5, 2, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 11, 12, 2, 5, 6, 9]			
3744	19.5%	[0, 5, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 12, 2, 5, 6, 9]			
3767	19.5%	[0, 4, 5, 3, 12, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 3, 5, 12, 9]			
3272	19.4%	[0, 7, 12, 5, 4, 10, 9, 6]	[0, 10,
4, 7, 12, 5, 6, 9]			
3834	19.4%	[0, 4, 1, 3, 2, 11, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 11, 6]			
4043	19.4%	[0, 4, 1, 3, 2, 12, 11, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 2, 11, 12, 9]			
3847	19.4%	[0, 4, 1, 3, 2, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 2, 12, 9]			
4007	19.4%	[0, 4, 5, 3, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 5, 12, 9, 6]			
2670	19.4%	[0, 2, 8, 7, 1, 4, 9, 6]	[0, 4, 1,
8, 7, 2, 9, 6]			
1760	19.4%	[0, 1, 2, 8, 7, 9, 6]	[0, 1, 8,
7, 2, 9, 6]			
2952	19.3%	[0, 5, 11, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 11, 12, 5, 6]			
3421	19.3%	[0, 1, 3, 2, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 11, 9]			
2755	19.3%	[0, 1, 2, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 2, 11, 9]			
3091	19.3%	[0, 3, 2, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 11, 9]			
3861	19.3%	[0, 3, 2, 5, 11, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 2, 5, 11, 12, 6]			
4038	19.3%	[0, 4, 1, 3, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 12, 9, 6]			
4089	19.3%	[0, 4, 1, 3, 2, 12, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 11, 12, 9, 6]			
3760	19.3%	[0, 3, 5, 11, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 5, 11, 12, 6]			
4009	19.3%	[0, 3, 5, 11, 12, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 5, 11, 12, 6]			
3504	19.2%	[0, 1, 2, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 2, 11, 9, 6]			
3873	19.2%	[0, 1, 3, 2, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 11, 9, 6]			

3708	19.2%	[0, 3, 2, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 2, 11, 9, 6]			
3932	19.2%	[0, 1, 4, 5, 3, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 5, 12, 9]			
1894	19.2%	[0, 3, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 12, 6]			
2875	19.2%	[0, 3, 11, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 11, 12, 6]			
2519	19.1%	[0, 1, 4, 5, 2, 3, 7, 12]	[0, 4, 1,
7, 3, 2, 5, 12]			
4031	19.1%	[0, 4, 1, 3, 2, 5, 11, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11, 9]			
2018	19.1%	[0, 5, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 12, 5, 9]			
1740	19.1%	[0, 1, 5, 2, 8, 7, 9]	[0, 1, 8,
7, 2, 5, 9]			
500	19.1%	[0, 7, 4, 5, 2]	[0, 4, 7,
2, 5]			
2243	19.1%	[0, 5, 2, 8, 7, 9, 6]	[0, 8, 7,
2, 5, 6, 9]			
548	19.1%	[0, 2, 8, 7, 6]	[0, 8, 7,
2, 6]			
3571	19.1%	[0, 1, 3, 5, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 5, 12, 6]			
4062	19.1%	[0, 1, 4, 5, 3, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 5, 12, 9, 6]			
382	19.1%	[0, 1, 5, 4, 9]	[0, 4, 1,
5, 9]			
2958	19.1%	[0, 1, 5, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 5, 11, 9]			
3294	19.1%	[0, 5, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 12, 5, 6, 9]			
3241	19.1%	[0, 3, 5, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 5, 12, 6]			
4082	19.0%	[0, 4, 1, 3, 2, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11, 9, 6]			
2054	19.0%	[0, 4, 5, 2, 3, 7, 9]	[0, 4, 7,
3, 2, 5, 9]			
3409	19.0%	[0, 1, 3, 2, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 2, 11, 6]			
2743	19.0%	[0, 1, 2, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 2, 11, 6]			
3681	19.0%	[0, 3, 2, 11, 7, 8, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 2, 11, 9]			
3032	19.0%	[0, 3, 2, 11, 7, 4, 10, 9]	[0, 10,
4, 7, 3, 2, 11, 9]			
3879	19.0%	[0, 1, 3, 2, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 11, 12, 9]			
3510	19.0%	[0, 1, 2, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 2, 11, 12, 9]			
3422	19.0%	[0, 1, 3, 2, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 12, 9]			
2756	19.0%	[0, 1, 2, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 2, 12, 9]			
3079	19.0%	[0, 3, 2, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 2, 11, 6]			
3561	19.0%	[0, 4, 1, 3, 11, 7, 8, 10, 9]	[0, 10,

4, 1, 8, 7, 3, 11, 9]		
678	19.0% [0, 8, 5, 4, 9]	[0, 4, 8,
5, 9]		
3714	19.0% [0, 3, 2, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 11, 12, 9]		
3092	19.0% [0, 3, 2, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 12, 9]		
3925	19.0% [0, 3, 5, 11, 12, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 5, 11, 12, 6]		
3623	19.0% [0, 1, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 5, 11, 9, 6]		
3672	18.9% [0, 3, 2, 11, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 2, 11, 9, 6]		
3982	18.9% [0, 3, 2, 11, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 2, 11, 9, 6]		
1218	18.9% [0, 8, 2, 5, 4, 9]	[0, 4, 8,
2, 5, 9]		
3937	18.9% [0, 4, 1, 3, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 11, 9, 6]		
4051	18.9% [0, 1, 3, 2, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 11, 12, 9, 6]		
3915	18.9% [0, 1, 2, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 2, 11, 12, 9, 6]		
3505	18.9% [0, 1, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 2, 12, 9, 6]		
3874	18.9% [0, 1, 3, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 12, 9, 6]		
2432	18.9% [0, 7, 11, 5, 4, 10, 6]	[0, 10,
4, 7, 11, 5, 6]		
3996	18.9% [0, 3, 2, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 2, 11, 12, 9, 6]		
3709	18.9% [0, 3, 2, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 2, 12, 9, 6]		
2949	18.9% [0, 5, 11, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 11, 5, 6, 9]		
4019	18.9% [0, 4, 1, 3, 2, 5, 11, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11, 6]		
3319	18.8% [0, 1, 4, 5, 2, 3, 8, 7, 12]	[0, 4, 1,
8, 7, 3, 2, 5, 12]		
2986	18.8% [0, 4, 5, 2, 3, 8, 7, 9]	[0, 4, 8,
7, 3, 2, 5, 9]		
4088	18.8% [0, 4, 1, 3, 2, 5, 11, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11, 12, 9]		
3104	18.8% [0, 7, 11, 2, 5, 4, 10, 6]	[0, 10,
4, 7, 11, 2, 5, 6]		
3379	18.8% [0, 3, 2, 5, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 2, 5, 12, 6]		
3189	18.8% [0, 3, 5, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 5, 12, 6]		
3489	18.8% [0, 5, 2, 11, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 11, 2, 5, 6, 9]		
2946	18.8% [0, 1, 5, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 5, 11, 6]		
626	18.8% [0, 5, 3, 10, 9]	[0, 10,
9, 3, 5]		
3867	18.8% [0, 1, 3, 2, 5, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 5, 11, 9]		

3629	18.8%	[0, 1, 5, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 5, 11, 12, 9]			
4094	18.7%	[0, 4, 1, 3, 2, 5, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11, 12, 9, 6]			
3549	18.7%	[0, 4, 1, 3, 11, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 3, 11, 6]			
3669	18.7%	[0, 3, 2, 11, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 2, 11, 6]			
3702	18.7%	[0, 3, 2, 5, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 5, 11, 9]			
3013	18.7%	[0, 3, 2, 11, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 11, 6]			
3562	18.7%	[0, 4, 1, 3, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 12, 9]			
3943	18.7%	[0, 4, 1, 3, 11, 12, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 11, 12, 9]			
3685	18.7%	[0, 3, 2, 11, 12, 7, 4, 10, 9]	[0, 10,
4, 7, 3, 2, 11, 12, 9]			
3988	18.7%	[0, 3, 2, 11, 12, 7, 8, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 2, 11, 12, 9]			
3682	18.7%	[0, 3, 2, 12, 7, 8, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 2, 12, 9]			
3033	18.7%	[0, 3, 2, 12, 7, 4, 10, 9]	[0, 10,
4, 7, 3, 2, 12, 9]			
3362	18.7%	[0, 3, 2, 11, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 2, 11, 9]			
381	18.7%	[0, 1, 8, 4, 5]	[0, 4, 1,
8, 5]			
4044	18.7%	[0, 1, 3, 2, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 5, 11, 9, 6]			
3960	18.7%	[0, 1, 5, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 5, 11, 12, 9, 6]			
1588	18.6%	[0, 1, 3, 2, 5, 4, 9]	[0, 4, 1,
3, 2, 5, 9]			
832	18.6%	[0, 1, 2, 5, 4, 9]	[0, 4, 1,
2, 5, 9]			
3989	18.6%	[0, 3, 2, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 2, 5, 11, 9, 6]			
2881	18.6%	[0, 1, 3, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 11, 9]			
3576	18.6%	[0, 3, 5, 11, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 5, 11, 12, 6]			
3938	18.6%	[0, 4, 1, 3, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 12, 9, 6]			
4068	18.6%	[0, 4, 1, 3, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 11, 12, 9, 6]			
4078	18.6%	[0, 3, 2, 11, 12, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 2, 11, 12, 9, 6]			
3986	18.6%	[0, 3, 2, 11, 12, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 2, 11, 12, 9, 6]			
3983	18.6%	[0, 3, 2, 12, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 2, 12, 9, 6]			
3673	18.6%	[0, 3, 2, 12, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 2, 12, 9, 6]			
2419	18.6%	[0, 3, 11, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 11, 9]			
2516	18.6%	[0, 1, 4, 5, 2, 3, 7, 9]	[0, 4, 1,

7, 3, 2, 5, 9]		
3837	18.6% [0, 3, 2, 11, 7, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 2, 11, 9, 6]		
2058	18.6% [0, 8, 3, 2, 5, 4, 9]	[0, 4, 8,
3, 2, 5, 9]		
3823	18.6% [0, 1, 7, 12, 3, 2, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 2, 5, 12, 9]		
3724	18.5% [0, 7, 11, 12, 2, 5, 4, 10, 6]	[0, 10,
4, 7, 11, 12, 2, 5, 6]		
3105	18.5% [0, 7, 12, 2, 5, 4, 10, 6]	[0, 10,
4, 7, 12, 2, 5, 6]		
3588	18.5% [0, 1, 3, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 11, 9, 6]		
3912	18.5% [0, 5, 2, 11, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 11, 12, 2, 5, 6, 9]		
3490	18.5% [0, 5, 2, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 12, 2, 5, 6, 9]		
1008	18.5% [0, 1, 8, 5, 4, 9]	[0, 4, 1,
8, 5, 9]		
3855	18.5% [0, 1, 3, 2, 5, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 2, 5, 11, 6]		
3258	18.5% [0, 3, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 11, 9, 6]		
2484	18.5% [0, 5, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 11, 5, 6]		
4050	18.5% [0, 1, 3, 2, 5, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 5, 11, 12, 9]		
125	18.5% [0, 8, 1, 11]	[0, 1, 8,
11]		
3657	18.5% [0, 3, 2, 5, 11, 7, 4, 10, 9]	[0, 10,
4, 7, 3, 2, 5, 11, 9]		
3976	18.5% [0, 3, 2, 5, 11, 7, 8, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 2, 5, 11, 9]		
4023	18.5% [0, 1, 7, 12, 3, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 2, 5, 12, 9, 6]		
3690	18.5% [0, 3, 2, 5, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 2, 5, 11, 6]		
1680	18.4% [0, 1, 8, 2, 5, 4, 9]	[0, 4, 1,
8, 2, 5, 9]		
3995	18.4% [0, 3, 2, 5, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 5, 11, 12, 9]		
3156	18.4% [0, 5, 2, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 11, 2, 5, 6]		
3931	18.4% [0, 4, 1, 3, 5, 11, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 3, 5, 11, 9]		
3343	18.4% [0, 3, 2, 11, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 2, 11, 6]		
3316	18.4% [0, 1, 4, 5, 2, 3, 8, 7, 9]	[0, 4, 1,
8, 7, 3, 2, 5, 9]		
2360	18.4% [0, 3, 7, 11, 4, 10, 9]	[0, 10,
4, 7, 3, 11, 9]		
3850	18.4% [0, 3, 2, 11, 12, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 2, 11, 12, 9]		
3363	18.4% [0, 3, 2, 12, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 2, 12, 9]		
4090	18.4% [0, 1, 3, 2, 5, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 5, 11, 12, 9, 6]		

3967	18.4%	[0, 3, 2, 5, 11, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 2, 5, 11, 9, 6]			
4071	18.4%	[0, 3, 2, 5, 11, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 2, 5, 11, 9, 6]			
2869	18.4%	[0, 1, 3, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 11, 6]			
2882	18.3%	[0, 1, 3, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 12, 9]			
3594	18.3%	[0, 1, 3, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 11, 12, 9]			
3231	18.3%	[0, 3, 11, 7, 8, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 11, 9]			
4079	18.3%	[0, 3, 2, 5, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 2, 5, 11, 12, 9, 6]			
4061	18.3%	[0, 4, 1, 3, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 3, 5, 11, 9, 6]			
2407	18.3%	[0, 3, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 3, 11, 6]			
3222	18.3%	[0, 3, 7, 11, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 11, 9, 6]			
2420	18.3%	[0, 3, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 12, 9]			
3264	18.3%	[0, 3, 11, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 11, 12, 9]			
2626	18.3%	[0, 3, 2, 11, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 2, 11, 9]			
3838	18.3%	[0, 3, 2, 12, 7, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 2, 12, 9, 6]			
4041	18.3%	[0, 3, 2, 11, 12, 7, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 2, 11, 12, 9, 6]			
2959	18.3%	[0, 1, 5, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 5, 12, 9]			
3589	18.2%	[0, 1, 3, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 12, 9, 6]			
3951	18.2%	[0, 1, 3, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 11, 12, 9, 6]			
3772	18.2%	[0, 3, 11, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 11, 9, 6]			
1343	18.2%	[0, 4, 5, 3, 7, 12]	[0, 4, 7,
3, 5, 12]			
3964	18.2%	[0, 3, 2, 5, 11, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 2, 5, 11, 6]			
3638	18.2%	[0, 3, 2, 5, 11, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 2, 5, 11, 6]			
3259	18.2%	[0, 3, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 12, 9, 6]			
3786	18.2%	[0, 3, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 11, 12, 9, 6]			
3412	18.2%	[0, 3, 2, 11, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 2, 11, 9, 6]			
3624	18.2%	[0, 1, 5, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 5, 12, 9, 6]			
2839	18.2%	[0, 3, 5, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 5, 12, 6]			
3728	18.2%	[0, 11, 12, 2, 5, 4, 8, 10, 6]	[0, 10,
4, 8, 2, 5, 11, 12, 6]			
3980	18.2%	[0, 3, 2, 5, 11, 12, 7, 4, 10, 9]	[0, 10,

4, 7, 3, 2, 5, 11, 12, 9]		
4077	18.2%	[0, 3, 2, 5, 11, 12, 7, 8, 4, 10, 9]
4, 8, 7, 3, 2, 5, 11, 12, 9]		
3919	18.2%	[0, 4, 1, 3, 5, 11, 7, 8, 10, 6]
4, 1, 8, 7, 3, 5, 11, 6]		
3822	18.2%	[0, 3, 2, 5, 11, 7, 1, 4, 10, 9]
4, 1, 7, 3, 2, 5, 11, 9]		
4067	18.1%	[0, 4, 1, 3, 5, 11, 12, 7, 8, 10, 9]
4, 1, 8, 7, 3, 5, 11, 12, 9]		
2341	18.1%	[0, 3, 7, 11, 4, 10, 6]
4, 7, 3, 11, 6]		
3746	18.1%	[0, 5, 2, 11, 12, 7, 8, 10, 6]
8, 7, 11, 12, 2, 5, 6]		
3157	18.1%	[0, 5, 2, 12, 7, 8, 10, 6]
8, 7, 12, 2, 5, 6]		
2950	18.1%	[0, 5, 12, 7, 1, 10, 9, 6]
1, 7, 12, 5, 6, 9]		
2433	18.1%	[0, 7, 12, 5, 4, 10, 6]
4, 7, 12, 5, 6]		
2520	18.1%	[0, 1, 8, 3, 2, 5, 4, 9]
8, 3, 2, 5, 9]		
2361	18.1%	[0, 3, 7, 12, 4, 10, 9]
4, 7, 3, 12, 9]		
3235	18.1%	[0, 3, 7, 11, 12, 4, 10, 9]
4, 7, 3, 11, 12, 9]		
126	18.1%	[0, 8, 1, 12]
12]		
458	18.1%	[0, 8, 1, 11, 12]
11, 12]		
4075	18.1%	[0, 3, 2, 5, 11, 12, 7, 4, 10, 9, 6]
4, 7, 3, 2, 5, 11, 12, 9, 6]		
4093	18.1%	[0, 3, 2, 5, 11, 12, 7, 8, 4, 10, 9, 6]
4, 8, 7, 3, 2, 5, 11, 12, 9, 6]		
3219	18.1%	[0, 3, 11, 7, 8, 4, 10, 6]
4, 8, 7, 3, 11, 6]		
3582	18.1%	[0, 1, 3, 5, 11, 7, 8, 10, 9]
8, 7, 1, 3, 5, 11, 9]		
4092	18.1%	[0, 4, 1, 3, 5, 11, 12, 7, 8, 10, 9, 6]
4, 1, 8, 7, 3, 5, 11, 12, 9, 6]		
4022	18.1%	[0, 3, 2, 5, 11, 7, 1, 4, 10, 9, 6]
4, 1, 7, 3, 2, 5, 11, 9, 6]		
1340	18.0%	[0, 4, 5, 3, 7, 9]
3, 5, 9]		
3232	18.0%	[0, 3, 12, 7, 8, 4, 10, 9]
4, 8, 7, 3, 12, 9]		
3778	18.0%	[0, 3, 12, 11, 7, 8, 4, 10, 9]
4, 8, 7, 3, 11, 12, 9]		
2607	18.0%	[0, 3, 2, 11, 7, 1, 10, 6]
1, 7, 3, 2, 11, 6]		
2822	18.0%	[0, 3, 11, 7, 1, 4, 10, 9]
4, 1, 7, 3, 11, 9]		
3776	18.0%	[0, 3, 7, 11, 12, 4, 10, 9, 6]
4, 7, 3, 11, 12, 9, 6]		
3223	18.0%	[0, 3, 7, 12, 4, 10, 9, 6]
4, 7, 3, 12, 9, 6]		
3252	18.0%	[0, 3, 5, 11, 7, 8, 10, 9]
8, 7, 3, 5, 11, 9]		

3868	18.0%	[0, 1, 3, 2, 5, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 2, 5, 12, 9]			
2627	18.0%	[0, 3, 2, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 2, 12, 9]			
3425	18.0%	[0, 3, 2, 11, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 2, 11, 12, 9]			
3944	18.0%	[0, 1, 3, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 5, 11, 9, 6]			
723	18.0%	[0, 5, 8, 7, 6]	[0, 8, 7,
5, 6]			
3773	18.0%	[0, 3, 12, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 12, 9, 6]			
3703	18.0%	[0, 3, 2, 5, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 2, 5, 12, 9]			
4013	18.0%	[0, 3, 12, 11, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 11, 12, 9, 6]			
2317	17.9%	[0, 4, 5, 3, 8, 7, 12]	[0, 4, 8,
7, 3, 5, 12]			
2453	17.9%	[0, 4, 5, 11, 12, 7, 9]	[0, 4, 7,
11, 12, 5, 9]			
649	17.9%	[0, 3, 8, 7, 11]	[0, 8, 7,
3, 11]			
3552	17.9%	[0, 3, 11, 7, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 11, 9, 6]			
3779	17.9%	[0, 3, 5, 11, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 5, 11, 9, 6]			
4045	17.9%	[0, 1, 3, 2, 5, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 2, 5, 12, 9, 6]			
2173	17.9%	[0, 4, 5, 2, 8, 7, 6]	[0, 4, 8,
7, 2, 5, 6]			
3877	17.9%	[0, 3, 2, 11, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 2, 11, 12, 9, 6]			
3413	17.9%	[0, 3, 2, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 2, 12, 9, 6]			
3803	17.9%	[0, 3, 2, 5, 11, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 2, 5, 11, 6]			
3538	17.9%	[0, 1, 7, 12, 3, 5, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 5, 12, 9]			
3893	17.9%	[0, 11, 12, 2, 5, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 2, 5, 11, 12, 6]			
2314	17.9%	[0, 4, 5, 3, 8, 7, 9]	[0, 4, 8,
7, 3, 5, 9]			
4035	17.9%	[0, 3, 2, 5, 11, 12, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 2, 5, 11, 12, 9]			
3990	17.9%	[0, 3, 2, 5, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 2, 5, 12, 9, 6]			
103	17.9%	[0, 1, 4, 11]	[0, 4, 1,
11]			
513	17.8%	[0, 2, 4, 7, 9]	[0, 4, 7,
2, 9]			
1228	17.8%	[0, 4, 2, 8, 7, 6]	[0, 4, 8,
7, 2, 6]			
3570	17.8%	[0, 1, 3, 5, 11, 7, 8, 10, 6]	[0, 10,
8, 7, 1, 3, 5, 11, 6]			
3923	17.8%	[0, 1, 7, 12, 3, 5, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 5, 12, 9, 6]			
3950	17.8%	[0, 1, 3, 5, 11, 12, 7, 8, 10, 9]	[0, 10,

8, 7, 1, 3, 5, 11, 12, 9]		
3397	17.8%	[0, 3, 2, 5, 11, 7, 1, 10, 9]
1, 7, 3, 2, 5, 11, 9]		[0, 10,
4086	17.8%	[0, 3, 2, 5, 11, 12, 7, 1, 4, 10, 9, 6]
4, 1, 7, 3, 2, 5, 11, 12, 9, 6]		[0, 10,
843	17.8%	[0, 2, 1, 4, 7, 9]
7, 2, 9]		[0, 4, 1,
329	17.8%	[0, 2, 1, 7, 9]
2, 9]		[0, 1, 7,
1690	17.8%	[0, 4, 1, 2, 8, 7, 6]
8, 7, 2, 6]		[0, 4, 1,
878	17.8%	[0, 1, 2, 8, 7, 6]
7, 2, 6]		[0, 1, 8,
2803	17.8%	[0, 3, 11, 7, 1, 4, 10, 6]
4, 1, 7, 3, 11, 6]		[0, 10,
3766	17.8%	[0, 3, 5, 11, 7, 8, 4, 10, 9]
4, 8, 7, 3, 5, 11, 9]		[0, 10,
3207	17.8%	[0, 3, 5, 11, 7, 4, 10, 9]
4, 7, 3, 5, 11, 9]		[0, 10,
3240	17.8%	[0, 3, 5, 11, 7, 8, 10, 6]
8, 7, 3, 5, 11, 6]		[0, 10,
485	17.7%	[0, 2, 3, 7, 9]
2, 9]		[0, 7, 3,
2823	17.7%	[0, 3, 12, 7, 1, 4, 10, 9]
4, 1, 7, 3, 12, 9]		[0, 10,
3565	17.7%	[0, 3, 11, 12, 7, 1, 4, 10, 9]
4, 1, 7, 3, 11, 12, 9]		[0, 10,
3785	17.7%	[0, 3, 5, 11, 12, 7, 8, 10, 9]
8, 7, 3, 5, 11, 12, 9]		[0, 10,
2705	17.7%	[0, 1, 5, 2, 8, 7, 9, 6]
7, 2, 5, 6, 9]		[0, 1, 8,
3111	17.7%	[0, 12, 2, 5, 4, 8, 10, 6]
4, 8, 2, 5, 12, 6]		[0, 10,
2485	17.7%	[0, 5, 12, 7, 8, 10, 6]
8, 7, 12, 5, 6]		[0, 10,
3658	17.7%	[0, 3, 2, 5, 12, 7, 4, 10, 9]
4, 7, 3, 2, 5, 12, 9]		[0, 10,
1229	17.7%	[0, 2, 4, 7, 9, 6]
2, 9, 6]		[0, 4, 7,
4069	17.7%	[0, 1, 3, 5, 11, 12, 7, 8, 10, 9, 6]
8, 7, 1, 3, 5, 11, 12, 9, 6]		[0, 10,
3858	17.7%	[0, 3, 2, 5, 11, 7, 1, 10, 9, 6]
1, 7, 3, 2, 5, 11, 9, 6]		[0, 10,
3757	17.7%	[0, 3, 5, 11, 7, 4, 10, 9, 6]
4, 7, 3, 5, 11, 9, 6]		[0, 10,
4006	17.7%	[0, 3, 5, 11, 7, 8, 4, 10, 9, 6]
4, 8, 7, 3, 5, 11, 9, 6]		[0, 10,
3553	17.7%	[0, 3, 12, 7, 1, 4, 10, 9, 6]
4, 1, 7, 3, 12, 9, 6]		[0, 10,
3941	17.7%	[0, 3, 11, 12, 7, 1, 4, 10, 9, 6]
4, 1, 7, 3, 11, 12, 9, 6]		[0, 10,
1912	17.7%	[0, 3, 11, 7, 1, 10, 9]
1, 7, 3, 11, 9]		[0, 10,
1691	17.7%	[0, 2, 1, 4, 7, 9, 6]
7, 2, 9, 6]		[0, 4, 1,
879	17.7%	[0, 2, 1, 7, 9, 6]
2, 9, 6]		[0, 1, 7,

1802	17.6%	[0, 1, 4, 5, 3, 7, 9]	[0, 4, 1,
7, 3, 5, 9]			
3289	17.6%	[0, 4, 11, 12, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 11, 12, 6]			
2464	17.6%	[0, 4, 12, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 12, 6]			
4014	17.6%	[0, 3, 5, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 5, 11, 12, 9, 6]			
916	17.6%	[0, 1, 3, 5, 4, 9]	[0, 4, 1,
3, 5, 9]			
1037	17.6%	[0, 1, 7, 4, 10, 9]	[0, 10,
4, 1, 7, 9]			
3968	17.6%	[0, 3, 2, 5, 12, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 2, 5, 12, 9, 6]			
1173	17.6%	[0, 2, 3, 7, 9, 6]	[0, 7, 3,
2, 9, 6]			
2915	17.6%	[0, 1, 4, 5, 11, 12, 7, 9]	[0, 4, 1,
7, 11, 12, 5, 9]			
1449	17.6%	[0, 3, 8, 7, 11, 12]	[0, 8, 7,
3, 11, 12]			
650	17.6%	[0, 3, 8, 7, 12]	[0, 8, 7,
3, 12]			
1344	17.6%	[0, 8, 3, 5, 4, 9]	[0, 4, 8,
3, 5, 9]			
1805	17.6%	[0, 1, 4, 5, 3, 7, 12]	[0, 4, 1,
7, 3, 5, 12]			
2872	17.6%	[0, 3, 11, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 11, 9, 6]			
1998	17.5%	[0, 5, 11, 7, 1, 10, 6]	[0, 10,
1, 7, 11, 5, 6]			
2972	17.5%	[0, 4, 5, 2, 3, 7, 9, 6]	[0, 4, 7,
3, 2, 5, 6, 9]			
3378	17.5%	[0, 3, 2, 5, 11, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 2, 5, 11, 6]			
3754	17.5%	[0, 3, 5, 11, 7, 8, 4, 10, 6]	[0, 10,
4, 8, 7, 3, 5, 11, 6]			
3188	17.5%	[0, 3, 5, 11, 7, 4, 10, 6]	[0, 10,
4, 7, 3, 5, 11, 6]			
2635	17.5%	[0, 1, 4, 5, 2, 8, 7, 6]	[0, 4, 1,
8, 7, 2, 5, 6]			
3871	17.5%	[0, 3, 2, 5, 11, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 2, 5, 11, 12, 9]			
3770	17.5%	[0, 3, 5, 11, 12, 7, 4, 10, 9]	[0, 10,
4, 7, 3, 5, 11, 12, 9]			
4012	17.5%	[0, 3, 5, 11, 12, 7, 8, 4, 10, 9]	[0, 10,
4, 8, 7, 3, 5, 11, 12, 9]			
759	17.5%	[0, 7, 8, 10, 6]	[0, 10,
8, 7, 6]			
999	17.5%	[0, 1, 5, 4, 9, 6]	[0, 4, 1,
5, 6, 9]			
2712	17.5%	[0, 5, 2, 11, 7, 1, 10, 6]	[0, 10,
1, 7, 11, 2, 5, 6]			
2776	17.5%	[0, 1, 4, 5, 3, 8, 7, 9]	[0, 4, 1,
8, 7, 3, 5, 9]			
3537	17.5%	[0, 3, 5, 11, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 5, 11, 9]			
1960	17.5%	[0, 1, 7, 4, 10, 9, 6]	[0, 10,

4, 1, 7, 9, 6]		
3441	17.4% [0, 12, 2, 5, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 2, 5, 12, 6]		
4048	17.4% [0, 3, 2, 5, 11, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 2, 5, 11, 12, 9, 6]		
864	17.4% [0, 2, 5, 1, 7, 9]	[0, 1, 7,
2, 5, 9]		
1893	17.4% [0, 3, 11, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 11, 6]		
4081	17.4% [0, 3, 5, 11, 12, 7, 8, 4, 10, 9, 6]	[0, 10,
4, 8, 7, 3, 5, 11, 12, 9, 6]		
4010	17.4% [0, 3, 5, 11, 12, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 5, 11, 12, 9, 6]		
1464	17.4% [0, 8, 5, 4, 9, 6]	[0, 4, 8,
5, 6, 9]		
406	17.4% [0, 1, 4, 11, 12]	[0, 4, 1,
11, 12]		
104	17.4% [0, 1, 4, 12]	[0, 4, 1,
12]		
1913	17.4% [0, 3, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 12, 9]		
3922	17.4% [0, 3, 5, 11, 7, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 5, 11, 9, 6]		
2885	17.4% [0, 3, 11, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 11, 12, 9]		
1158	17.4% [0, 5, 2, 3, 7, 9]	[0, 7, 3,
2, 5, 9]		
3583	17.4% [0, 1, 3, 5, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 1, 3, 5, 12, 9]		
3631	17.3% [0, 4, 5, 2, 3, 8, 7, 9, 6]	[0, 4, 8,
7, 3, 2, 5, 6, 9]		
2178	17.3% [0, 8, 2, 5, 4, 9, 6]	[0, 4, 8,
2, 5, 6, 9]		
3619	17.3% [0, 1, 4, 11, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 11, 12, 6]		
2926	17.3% [0, 1, 4, 12, 7, 8, 10, 6]	[0, 10,
4, 1, 8, 7, 12, 6]		
2873	17.3% [0, 3, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 12, 9, 6]		
3592	17.3% [0, 3, 11, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 11, 12, 9, 6]		
2779	17.3% [0, 1, 4, 5, 3, 8, 7, 12]	[0, 4, 1,
8, 7, 3, 5, 12]		
3253	17.3% [0, 3, 5, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 3, 5, 12, 9]		
3945	17.3% [0, 1, 3, 5, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 1, 3, 5, 12, 9, 6]		
1975	17.3% [0, 11, 12, 4, 1, 10, 6]	[0, 10,
4, 1, 11, 12, 6]		
3518	17.2% [0, 3, 5, 11, 7, 1, 4, 10, 6]	[0, 10,
4, 1, 7, 3, 5, 11, 6]		
3492	17.2% [0, 5, 2, 11, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 11, 12, 2, 5, 6]		
2713	17.2% [0, 5, 2, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 12, 2, 5, 6]		
3935	17.2% [0, 3, 5, 11, 12, 7, 1, 4, 10, 9]	[0, 10,
4, 1, 7, 3, 5, 11, 12, 9]		

3780	17.2%	[0, 3, 5, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 3, 5, 12, 9, 6]			
1806	17.2%	[0, 1, 8, 3, 5, 4, 9]	[0, 4, 1,
8, 3, 5, 9]			
3282	17.1%	[0, 8, 7, 12, 11, 5, 4, 9]	[0, 4, 8,
7, 11, 12, 5, 9]			
2857	17.1%	[0, 3, 5, 11, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 5, 11, 9]			
4065	17.1%	[0, 3, 5, 11, 12, 7, 1, 4, 10, 9, 6]	[0, 10,
4, 1, 7, 3, 5, 11, 12, 9, 6]			
3302	17.1%	[0, 1, 4, 5, 2, 3, 7, 9, 6]	[0, 4, 1,
7, 3, 2, 5, 6, 9]			
1161	17.1%	[0, 5, 2, 3, 7, 12]	[0, 7, 3,
2, 5, 12]			
690	17.1%	[0, 7, 4, 10, 6]	[0, 10,
4, 7, 6]			
2511	17.1%	[0, 1, 3, 2, 5, 4, 9, 6]	[0, 4, 1,
3, 2, 5, 6, 9]			
1671	17.1%	[0, 1, 2, 5, 4, 9, 6]	[0, 4, 1,
2, 5, 6, 9]			
3398	17.1%	[0, 3, 2, 5, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 2, 5, 12, 9]			
3208	17.1%	[0, 3, 5, 12, 7, 4, 10, 9]	[0, 10,
4, 7, 3, 5, 12, 9]			
3573	17.0%	[0, 3, 5, 11, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 5, 11, 9, 6]			
2976	17.0%	[0, 8, 3, 2, 5, 4, 9, 6]	[0, 4, 8,
3, 2, 5, 6, 9]			
3859	17.0%	[0, 3, 2, 5, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 2, 5, 12, 9, 6]			
3758	17.0%	[0, 3, 5, 12, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 3, 5, 12, 9, 6]			
1926	17.0%	[0, 1, 8, 5, 4, 9, 6]	[0, 4, 1,
8, 5, 6, 9]			
3796	16.9%	[0, 1, 4, 5, 2, 3, 8, 7, 9, 6]	[0, 4, 1,
8, 7, 3, 2, 5, 6, 9]			
2648	16.9%	[0, 1, 5, 2, 12, 4, 10, 6]	[0, 10,
4, 1, 2, 5, 12, 6]			
2640	16.9%	[0, 1, 8, 2, 5, 4, 9, 6]	[0, 4, 1,
8, 2, 5, 6, 9]			
2838	16.9%	[0, 3, 5, 11, 7, 1, 10, 6]	[0, 10,
1, 7, 3, 5, 11, 6]			
3586	16.9%	[0, 3, 5, 11, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 5, 11, 12, 9]			
1999	16.8%	[0, 5, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 12, 5, 6]			
3612	16.8%	[0, 1, 8, 7, 12, 11, 5, 4, 9]	[0, 4, 1,
8, 7, 11, 12, 5, 9]			
3948	16.8%	[0, 3, 5, 11, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 5, 11, 12, 9, 6]			
3273	16.8%	[0, 4, 5, 11, 12, 7, 9, 6]	[0, 4, 7,
11, 12, 5, 6, 9]			
164	16.7%	[0, 2, 7, 9]	[0, 7, 2,
9]			
1053	16.7%	[0, 1, 5, 8, 7, 6]	[0, 1, 8,
7, 5, 6]			
407	16.7%	[0, 5, 1, 7, 6]	[0, 1, 7,

5, 6]			
1557	16.7%	[0, 5, 11, 12, 7, 9]	[0, 7, 1
1, 12, 5, 9]			
1509	16.6%	[0, 8, 4, 12, 11, 6]	[0, 4, 8,
11, 12, 6]			
2300	16.6%	[0, 4, 5, 3, 7, 9, 6]	[0, 4, 7,
3, 5, 6, 9]			
2455	16.6%	[0, 11, 5, 4, 8, 10, 9]	[0, 10,
4, 8, 5, 11, 9]			
3306	16.6%	[0, 1, 8, 3, 2, 5, 4, 9, 6]	[0, 4, 1,
8, 3, 2, 5, 6, 9]			
549	16.6%	[0, 2, 7, 9, 6]	[0, 7, 2,
9, 6]			
3446	16.6%	[0, 11, 12, 2, 5, 4, 1, 10, 6]	[0, 10,
4, 1, 2, 5, 11, 12, 6]			
929	16.5%	[0, 4, 1, 3, 7, 11]	[0, 4, 1,
7, 3, 11]			
367	16.5%	[0, 1, 3, 7, 11]	[0, 1, 7,
3, 11]			
679	16.5%	[0, 10, 8, 4, 5]	[0, 10,
4, 8, 5]			
3275	16.5%	[0, 11, 5, 4, 8, 10, 9, 6]	[0, 10,
4, 8, 5, 11, 9, 6]			
618	16.5%	[0, 5, 3, 7, 9]	[0, 7, 3,
5, 9]			
3127	16.5%	[0, 11, 2, 5, 4, 8, 10, 9]	[0, 10,
4, 8, 2, 5, 11, 9]			
2858	16.5%	[0, 3, 5, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 3, 5, 12, 9]			
1159	16.5%	[0, 10, 7, 3, 2, 5]	[0, 10,
3, 2, 5, 7]			
3181	16.4%	[0, 4, 5, 3, 8, 7, 9, 6]	[0, 4, 8,
7, 3, 5, 6, 9]			
3603	16.4%	[0, 1, 4, 5, 11, 12, 7, 9, 6]	[0, 4, 1,
7, 11, 12, 5, 6, 9]			
200	16.4%	[0, 3, 7, 9]	[0, 7, 3,
9]			
2449	16.4%	[0, 10, 4, 5, 8, 7, 12]	[0, 10,
4, 8, 7, 12, 5]			
3283	16.4%	[0, 10, 4, 5, 8, 7, 11, 12]	[0, 10,
4, 8, 7, 11, 12, 5]			
3725	16.4%	[0, 11, 2, 5, 4, 8, 10, 9, 6]	[0, 10,
4, 8, 2, 5, 11, 9, 6]			
3574	16.4%	[0, 3, 5, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 3, 5, 12, 9, 6]			
534	16.4%	[0, 5, 2, 7, 9]	[0, 7, 2,
5, 9]			
2438	16.4%	[0, 11, 5, 4, 8, 10, 6]	[0, 10,
4, 8, 5, 11, 6]			
1221	16.4%	[0, 8, 4, 5, 2, 12]	[0, 4, 8,
2, 5, 12]			
1971	16.3%	[0, 1, 8, 4, 12, 11, 6]	[0, 4, 1,
8, 11, 12, 6]			
2917	16.3%	[0, 11, 5, 4, 1, 8, 10, 9]	[0, 10,
4, 1, 8, 5, 11, 9]			
633	16.3%	[0, 3, 7, 9, 6]	[0, 7, 3,
9, 6]			

2762	16.3%	[0, 1, 4, 5, 3, 7, 9, 6]	[0, 4, 1,
7, 3, 5, 6, 9]			
3110	16.2%	[0, 11, 2, 5, 4, 8, 10, 6]	[0, 10,
4, 8, 2, 5, 11, 6]			
3605	16.2%	[0, 11, 5, 4, 1, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 5, 11, 9, 6]			
3735	16.2%	[0, 11, 12, 2, 5, 4, 8, 10, 9]	[0, 10,
4, 8, 2, 5, 11, 12, 9]			
368	16.2%	[0, 1, 3, 7, 12]	[0, 1, 7,
3, 12]			
1840	16.2%	[0, 4, 1, 3, 7, 11, 12]	[0, 4, 1,
7, 3, 11, 12]			
930	16.2%	[0, 4, 1, 3, 7, 12]	[0, 4, 1,
7, 3, 12]			
986	16.2%	[0, 1, 3, 7, 11, 12]	[0, 1, 7,
3, 11, 12]			
1833	16.2%	[0, 4, 1, 3, 8, 7, 11]	[0, 4, 1,
8, 7, 3, 11]			
979	16.2%	[0, 1, 3, 8, 7, 11]	[0, 1, 8,
7, 3, 11]			
3457	16.2%	[0, 11, 2, 5, 4, 1, 8, 10, 9]	[0, 10,
4, 1, 8, 2, 5, 11, 9]			
1797	16.2%	[0, 1, 3, 5, 4, 9, 6]	[0, 4, 1,
3, 5, 6, 9]			
1207	16.2%	[0, 2, 5, 4, 7, 6]	[0, 4, 7,
2, 5, 6]			
506	16.2%	[0, 2, 4, 7, 6]	[0, 4, 7,
2, 6]			
4002	16.1%	[0, 11, 12, 2, 5, 4, 8, 10, 9, 6]	[0, 10,
4, 8, 2, 5, 11, 12, 9, 6]			
836	16.1%	[0, 2, 1, 4, 7, 6]	[0, 4, 1,
7, 2, 6]			
322	16.1%	[0, 2, 1, 7, 6]	[0, 1, 7,
2, 6]			
3122	16.1%	[0, 4, 5, 2, 8, 7, 11, 12]	[0, 4, 8,
7, 11, 12, 2, 5]			
2191	16.1%	[0, 4, 5, 2, 8, 7, 12]	[0, 4, 8,
7, 12, 2, 5]			
430	16.1%	[0, 7, 1, 10, 6]	[0, 10,
1, 7, 6]			
3890	16.1%	[0, 11, 2, 5, 4, 1, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 2, 5, 11, 9, 6]			
2304	16.1%	[0, 8, 3, 5, 4, 9, 6]	[0, 4, 8,
3, 5, 6, 9]			
3511	16.1%	[0, 1, 4, 5, 3, 8, 7, 9, 6]	[0, 4, 1,
8, 7, 3, 5, 6, 9]			
2900	16.1%	[0, 11, 5, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 5, 11, 6]			
478	16.0%	[0, 2, 3, 7, 6]	[0, 7, 3,
2, 6]			
1726	16.0%	[0, 2, 5, 1, 7, 9, 6]	[0, 1, 7,
2, 5, 6, 9]			
3440	16.0%	[0, 11, 2, 5, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 2, 5, 11, 6]			
3789	15.9%	[0, 8, 7, 12, 11, 5, 4, 9, 6]	[0, 4, 8,
7, 11, 12, 5, 6, 9]			
3900	15.9%	[0, 11, 12, 2, 5, 4, 1, 8, 10, 9]	[0, 10,

4, 1, 8, 2, 5, 11, 12, 9]		
2104	15.9% [0, 5, 2, 3, 7, 9, 6]	[0, 7, 3,
2, 5, 6, 9]		
980	15.9% [0, 1, 3, 8, 7, 12]	[0, 1, 8,
7, 3, 12]		
2821	15.9% [0, 4, 1, 3, 8, 7, 11, 12]	[0, 4, 1,
8, 7, 3, 11, 12]		
1911	15.9% [0, 1, 3, 8, 7, 11, 12]	[0, 1, 8,
7, 3, 11, 12]		
1834	15.9% [0, 4, 1, 3, 8, 7, 12]	[0, 4, 1,
8, 7, 3, 12]		
4057	15.9% [0, 11, 12, 2, 5, 4, 1, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 2, 5, 11, 12, 9, 6]		
834	15.8% [0, 1, 4, 5, 2, 11]	[0, 4, 1,
2, 5, 11]		
3128	15.8% [0, 12, 2, 5, 4, 8, 10, 9]	[0, 10,
4, 8, 2, 5, 12, 9]		
1669	15.8% [0, 2, 5, 4, 1, 7, 6]	[0, 4, 1,
7, 2, 5, 6]		
1479	15.8% [0, 4, 5, 11, 7, 9]	[0, 4, 7,
11, 5, 9]		
2505	15.8% [0, 11, 12, 7, 8, 10, 6]	[0, 10,
8, 7, 11, 12, 6]		
621	15.7% [0, 5, 3, 7, 12]	[0, 7, 3,
5, 12]		
2766	15.7% [0, 1, 8, 3, 5, 4, 9, 6]	[0, 4, 1,
8, 3, 5, 6, 9]		
1964	15.7% [0, 1, 7, 12, 4, 10, 6]	[0, 10,
4, 1, 7, 12, 6]		
2931	15.7% [0, 1, 7, 11, 12, 4, 10, 6]	[0, 10,
4, 1, 7, 11, 12, 6]		
3726	15.7% [0, 12, 2, 5, 4, 8, 10, 9, 6]	[0, 10,
4, 8, 2, 5, 12, 9, 6]		
2193	15.7% [0, 4, 5, 2, 11, 7, 9]	[0, 4, 7,
11, 2, 5, 9]		
3278	15.7% [0, 11, 12, 5, 4, 8, 10, 6]	[0, 10,
4, 8, 5, 11, 12, 6]		
1683	15.7% [0, 1, 8, 4, 5, 2, 12]	[0, 4, 1,
8, 2, 5, 12]		
1009	15.7% [0, 10, 8, 1, 4, 5]	[0, 10,
4, 1, 8, 5]		
3954	15.6% [0, 1, 8, 7, 12, 11, 5, 4, 9, 6]	[0, 4, 1,
8, 7, 11, 12, 5, 6, 9]		
2475	15.6% [0, 4, 11, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 11, 9]		
2081	15.6% [0, 3, 2, 12, 4, 10, 6]	[0, 10,
4, 3, 2, 12, 6]		
3025	15.6% [0, 3, 2, 11, 12, 4, 10, 6]	[0, 10,
4, 3, 2, 11, 12, 6]		
249	15.5% [0, 5, 7, 9]	[0, 7, 5,
9]		
3458	15.5% [0, 12, 2, 5, 4, 1, 8, 10, 9]	[0, 10,
4, 1, 8, 2, 5, 12, 9]		
3286	15.5% [0, 4, 11, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 11, 9, 6]		
2469	15.5% [0, 11, 12, 7, 4, 10, 6]	[0, 10,
4, 7, 11, 12, 6]		

2489	15.5%	[0, 5, 11, 12, 7, 9, 6]	[0, 7, 1
1, 12, 5, 6, 9]			
2222	15.5%	[0, 4, 12, 2, 8, 10, 6]	[0, 10,
4, 8, 2, 12, 6]			
3145	15.5%	[0, 4, 11, 12, 2, 8, 10, 6]	[0, 10,
4, 8, 2, 11, 12, 6]			
1689	15.5%	[0, 1, 4, 5, 2, 11, 12]	[0, 4, 1,
2, 5, 11, 12]			
1941	15.5%	[0, 1, 4, 5, 11, 7, 9]	[0, 4, 1,
7, 11, 5, 9]			
3891	15.4%	[0, 12, 2, 5, 4, 1, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 2, 5, 12, 9, 6]			
2653	15.4%	[0, 1, 4, 5, 2, 8, 7, 12]	[0, 4, 1,
8, 7, 12, 2, 5]			
3452	15.4%	[0, 1, 4, 5, 2, 8, 7, 11, 12]	[0, 4, 1,
8, 7, 11, 12, 2, 5]			
3125	15.4%	[0, 4, 5, 2, 11, 12, 7, 9]	[0, 4, 7,
11, 12, 2, 5, 9]			
2194	15.4%	[0, 4, 5, 2, 12, 7, 9]	[0, 4, 7,
12, 2, 5, 9]			
1049	15.4%	[0, 11, 4, 1, 10, 9]	[0, 10,
4, 1, 11, 9]			
3608	15.4%	[0, 12, 11, 5, 4, 1, 8, 10, 6]	[0, 10,
4, 1, 8, 5, 11, 12, 6]			
2655	15.4%	[0, 1, 4, 5, 2, 11, 7, 9]	[0, 4, 1,
7, 11, 2, 5, 9]			
619	15.3%	[0, 10, 7, 3, 5]	[0, 10,
3, 5, 7]			
2463	15.3%	[0, 4, 11, 7, 8, 10, 6]	[0, 10,
4, 8, 7, 11, 6]			
1972	15.3%	[0, 11, 4, 1, 10, 9, 6]	[0, 10,
4, 1, 11, 9, 6]			
1187	15.3%	[0, 3, 2, 8, 7, 9]	[0, 8, 7,
3, 2, 9]			
2476	15.3%	[0, 4, 12, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 12, 9]			
3292	15.3%	[0, 4, 11, 12, 7, 8, 10, 9]	[0, 10,
4, 8, 7, 11, 12, 9]			
2937	15.3%	[0, 1, 4, 11, 7, 8, 10, 9]	[0, 10,
4, 1, 8, 7, 11, 9]			
2994	15.3%	[0, 10, 4, 5, 2, 3, 7, 12]	[0, 10,
4, 7, 3, 2, 5, 12]			
3679	15.3%	[0, 4, 11, 12, 2, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 2, 11, 12, 6]			
3020	15.3%	[0, 4, 12, 2, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 2, 12, 6]			
2439	15.3%	[0, 12, 5, 4, 8, 10, 6]	[0, 10,
4, 8, 5, 12, 6]			
3794	15.2%	[0, 4, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 11, 12, 9, 6]			
3287	15.2%	[0, 4, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 8, 7, 12, 9, 6]			
3475	15.2%	[0, 1, 4, 11, 12, 2, 8, 10, 6]	[0, 10,
4, 1, 8, 2, 11, 12, 6]			
2684	15.2%	[0, 1, 4, 12, 2, 8, 10, 6]	[0, 10,
4, 1, 8, 2, 12, 6]			
2138	15.2%	[0, 3, 2, 8, 7, 9, 6]	[0, 8, 7,

3, 2, 9, 6]		
3616	15.2%	[0, 1, 4, 11, 7, 8, 10, 9, 6]
4, 1, 8, 7, 11, 9, 6]		[0, 10,
1244	15.2%	[0, 10, 4, 7, 8, 2]
4, 8, 7, 2]		[0, 10,
1030	15.2%	[0, 11, 4, 1, 10, 6]
4, 1, 11, 6]		[0, 10,
1990	15.2%	[0, 11, 12, 4, 1, 10, 9]
4, 1, 11, 12, 9]		[0, 10,
2227	15.2%	[0, 2, 11, 12, 4, 10, 6]
4, 2, 11, 12, 6]		[0, 10,
1241	15.2%	[0, 2, 12, 4, 10, 6]
4, 2, 12, 6]		[0, 10,
157	15.1%	[0, 2, 7, 6]
6]		[0, 7, 2,
2656	15.1%	[0, 1, 4, 5, 2, 12, 7, 9]
7, 12, 2, 5, 9]		[0, 4, 1,
3455	15.1%	[0, 1, 4, 5, 2, 11, 12, 7, 9]
7, 11, 12, 2, 5, 9]		[0, 4, 1,
1390	15.1%	[0, 5, 3, 7, 9, 6]
5, 6, 9]		[0, 7, 3,
2936	15.1%	[0, 11, 12, 4, 1, 10, 9, 6]
4, 1, 11, 12, 9, 6]		[0, 10,
3650	15.1%	[0, 3, 2, 5, 11, 12, 4, 10, 6]
4, 5, 2, 3, 11, 12, 6]		[0, 10,
1513	15.1%	[0, 11, 12, 4, 10, 6]
4, 11, 12, 6]		[0, 10,
3655	15.0%	[0, 10, 4, 5, 2, 3, 8, 7, 12]
4, 8, 7, 3, 2, 5, 12]		[0, 10,
1480	15.0%	[0, 4, 5, 12, 7, 9]
12, 5, 9]		[0, 4, 7,
3844	15.0%	[0, 1, 4, 11, 12, 2, 3, 8, 10, 6]
4, 1, 8, 3, 2, 11, 12, 6]		[0, 10,
3350	15.0%	[0, 1, 4, 12, 2, 3, 8, 10, 6]
4, 1, 8, 3, 2, 12, 6]		[0, 10,
2901	15.0%	[0, 12, 5, 4, 1, 8, 10, 6]
4, 1, 8, 5, 12, 6]		[0, 10,
2925	15.0%	[0, 1, 4, 11, 7, 8, 10, 6]
4, 1, 8, 7, 11, 6]		[0, 10,
1367	15.0%	[0, 3, 12, 4, 10, 6]
4, 3, 12, 6]		[0, 10,
2353	15.0%	[0, 3, 12, 11, 4, 10, 6]
4, 3, 11, 12, 6]		[0, 10,
2202	15.0%	[0, 10, 8, 4, 5, 2, 12]
4, 8, 2, 5, 12]		[0, 10,
1264	15.0%	[0, 5, 2, 7, 9, 6]
5, 6, 9]		[0, 7, 2,
3622	15.0%	[0, 1, 4, 11, 12, 7, 8, 10, 9]
4, 1, 8, 7, 11, 12, 9]		[0, 10,
2938	15.0%	[0, 1, 4, 12, 7, 8, 10, 9]
4, 1, 8, 7, 12, 9]		[0, 10,
2667	15.0%	[0, 1, 5, 2, 12, 4, 10, 9]
4, 1, 2, 5, 12, 9]		[0, 10,
217	15.0%	[0, 5, 4, 9]
9]		[0, 4, 5,
2446	14.9%	[0, 8, 7, 11, 5, 4, 9]
7, 11, 5, 9]		[0, 4, 8,

1141	14.9%	[0, 3, 2, 8, 4, 9]	[0, 4, 8,
3, 2, 9]			
3617	14.9%	[0, 1, 4, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 12, 9, 6]			
3959	14.9%	[0, 1, 4, 11, 12, 7, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 7, 11, 12, 9, 6]			
3444	14.9%	[0, 1, 5, 2, 12, 4, 10, 9, 6]	[0, 10,
4, 1, 2, 5, 12, 9, 6]			
3118	14.9%	[0, 8, 7, 11, 2, 5, 4, 9]	[0, 4, 8,
7, 11, 2, 5, 9]			
3974	14.9%	[0, 4, 12, 11, 5, 2, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 2, 5, 11, 12, 6]			
2035	14.9%	[0, 11, 12, 7, 1, 10, 6]	[0, 10,
1, 7, 11, 12, 6]			
3613	14.8%	[0, 10, 8, 7, 1, 4, 5, 11, 12]	[0, 10,
4, 1, 8, 7, 11, 12, 5]			
2056	14.8%	[0, 4, 5, 2, 3, 7, 11]	[0, 4, 7,
3, 2, 5, 11]			
2666	14.8%	[0, 11, 2, 5, 4, 1, 10, 9]	[0, 10,
4, 1, 2, 5, 11, 9]			
2073	14.8%	[0, 3, 2, 8, 4, 9, 6]	[0, 4, 8,
3, 2, 9, 6]			
2348	14.8%	[0, 4, 12, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 12, 6]			
3229	14.8%	[0, 4, 11, 12, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 11, 12, 6]			
1942	14.8%	[0, 1, 4, 5, 12, 7, 9]	[0, 4, 1,
7, 12, 5, 9]			
3443	14.7%	[0, 11, 2, 5, 4, 1, 10, 9, 6]	[0, 10,
4, 1, 2, 5, 11, 9, 6]			
568	14.7%	[0, 2, 11, 7, 9]	[0, 7, 1
1, 2, 9]			
793	14.7%	[0, 1, 4, 5, 2, 3]	[0, 4, 1,
3, 2, 5]			
2190	14.7%	[0, 4, 5, 2, 8, 7, 11]	[0, 4, 8,
7, 11, 2, 5]			
714	14.7%	[0, 8, 4, 11, 9]	[0, 4, 8,
11, 9]			
2908	14.6%	[0, 1, 8, 7, 11, 5, 4, 9]	[0, 4, 1,
8, 7, 11, 5, 9]			
676	14.6%	[0, 5, 4, 7, 11]	[0, 4, 7,
11, 5]			
1476	14.6%	[0, 4, 5, 8, 7, 11]	[0, 4, 8,
7, 11, 5]			
4029	14.6%	[0, 1, 4, 12, 11, 5, 2, 3, 8, 10, 6]	[0, 10,
4, 1, 8, 3, 2, 5, 11, 12, 6]			
1303	14.6%	[0, 2, 11, 7, 9, 6]	[0, 7, 1
1, 2, 9, 6]			
1677	14.6%	[0, 10, 1, 7, 4, 5, 2]	[0, 10,
4, 1, 7, 2, 5]			
3119	14.6%	[0, 8, 7, 12, 2, 5, 4, 9]	[0, 4, 8,
7, 12, 2, 5, 9]			
3732	14.6%	[0, 8, 7, 11, 12, 2, 5, 4, 9]	[0, 4, 8,
7, 11, 12, 2, 5, 9]			
2647	14.6%	[0, 11, 2, 5, 4, 1, 10, 6]	[0, 10,
4, 1, 2, 5, 11, 6]			
502	14.6%	[0, 2, 5, 4, 9]	[0, 4, 5,

2, 9]			
2916	14.6%	[0, 10, 4, 5, 1, 7, 11, 12]	[0, 10,
4, 1, 7, 11, 12, 5]			
2911	14.6%	[0, 10, 4, 5, 1, 8, 7, 12]	[0, 10,
4, 1, 8, 7, 12, 5]			
1944	14.6%	[0, 10, 4, 5, 1, 7, 12]	[0, 10,
4, 1, 7, 12, 5]			
3461	14.6%	[0, 11, 12, 2, 5, 4, 1, 10, 9]	[0, 10,
4, 1, 2, 5, 11, 12, 9]			
3448	14.6%	[0, 1, 8, 7, 11, 2, 5, 4, 9]	[0, 4, 1,
8, 7, 11, 2, 5, 9]			
1505	14.6%	[0, 8, 4, 11, 9, 6]	[0, 4, 8,
11, 9, 6]			
1603	14.6%	[0, 3, 2, 8, 1, 4, 9]	[0, 4, 1,
8, 3, 2, 9]			
1706	14.5%	[0, 10, 4, 1, 7, 8, 2]	[0, 10,
4, 1, 8, 7, 2]			
2995	14.5%	[0, 4, 5, 2, 3, 7, 11, 12]	[0, 4, 7,
3, 2, 5, 11, 12]			
467	14.5%	[0, 3, 2, 4, 9]	[0, 4, 3,
2, 9]			
2810	14.5%	[0, 1, 4, 12, 3, 8, 10, 6]	[0, 10,
4, 1, 8, 3, 12, 6]			
3559	14.5%	[0, 1, 4, 11, 12, 3, 8, 10, 6]	[0, 10,
4, 1, 8, 3, 11, 12, 6]			
2664	14.5%	[0, 10, 8, 1, 4, 5, 2, 12]	[0, 10,
4, 1, 8, 2, 5, 12]			
1031	14.5%	[0, 12, 4, 1, 10, 6]	[0, 10,
4, 1, 12, 6]			
3200	14.5%	[0, 3, 5, 11, 12, 4, 10, 6]	[0, 10,
4, 5, 3, 11, 12, 6]			
3894	14.5%	[0, 11, 12, 2, 5, 4, 1, 10, 9, 6]	[0, 10,
4, 1, 2, 5, 11, 12, 9, 6]			
2430	14.5%	[0, 4, 5, 11, 7, 9, 6]	[0, 4, 7,
11, 5, 6, 9]			
743	14.5%	[0, 5, 11, 7, 9]	[0, 7, 1
1, 5, 9]			
3645	14.5%	[0, 4, 12, 5, 2, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 2, 5, 12, 6]			
2988	14.5%	[0, 4, 5, 2, 3, 8, 7, 11]	[0, 4, 8,
7, 3, 2, 5, 11]			
1209	14.5%	[0, 2, 5, 4, 9, 6]	[0, 4, 5,
2, 9, 6]			
3102	14.4%	[0, 4, 5, 2, 11, 7, 9, 6]	[0, 4, 7,
11, 2, 5, 6, 9]			
2535	14.4%	[0, 3, 2, 8, 1, 4, 9, 6]	[0, 4, 1,
8, 3, 2, 9, 6]			
1283	14.4%	[0, 5, 2, 11, 7, 9]	[0, 7, 1
1, 2, 5, 9]			
569	14.4%	[0, 2, 12, 7, 9]	[0, 7, 1
2, 2, 9]			
1326	14.4%	[0, 2, 11, 12, 7, 9]	[0, 7, 1
1, 12, 2, 9]			
695	14.4%	[0, 8, 4, 11, 6]	[0, 4, 8,
11, 6]			
1132	14.4%	[0, 3, 2, 4, 9, 6]	[0, 4, 3,
2, 9, 6]			

2545	14.4%	[0, 4, 1, 3, 2, 8, 7, 9]	[0, 4, 1,
8, 7, 3, 2, 9]			
1649	14.4%	[0, 1, 3, 2, 8, 7, 9]	[0, 1, 8,
7, 3, 2, 9]			
715	14.4%	[0, 8, 4, 12, 9]	[0, 4, 8,
12, 9]			
1526	14.4%	[0, 8, 4, 11, 12, 9]	[0, 4, 8,
11, 12, 9]			
599	14.4%	[0, 4, 3, 7, 11]	[0, 4, 7,
3, 11]			
1044	14.4%	[0, 1, 8, 4, 11, 9]	[0, 4, 1,
8, 11, 9]			
1304	14.4%	[0, 2, 12, 7, 9, 6]	[0, 7, 1
2, 2, 9, 6]			
2286	14.4%	[0, 2, 11, 12, 7, 9, 6]	[0, 7, 1
1, 12, 2, 9, 6]			
3897	14.3%	[0, 1, 8, 7, 11, 12, 2, 5, 4, 9]	[0, 4, 1,
8, 7, 11, 12, 2, 5, 9]			
3449	14.3%	[0, 1, 8, 7, 12, 2, 5, 4, 9]	[0, 4, 1,
8, 7, 12, 2, 5, 9]			
3764	14.3%	[0, 4, 12, 11, 5, 3, 8, 10, 6]	[0, 10,
4, 8, 3, 5, 11, 12, 6]			
1506	14.3%	[0, 8, 4, 12, 9, 6]	[0, 4, 8,
12, 9, 6]			
2472	14.3%	[0, 8, 4, 11, 12, 9, 6]	[0, 4, 8,
11, 12, 9, 6]			
3336	14.3%	[0, 4, 1, 3, 2, 8, 7, 9, 6]	[0, 4, 1,
8, 7, 3, 2, 9, 6]			
2600	14.3%	[0, 1, 3, 2, 8, 7, 9, 6]	[0, 1, 8,
7, 3, 2, 9, 6]			
2083	14.3%	[0, 3, 2, 8, 7, 4, 9]	[0, 4, 8,
7, 3, 2, 9]			
1967	14.3%	[0, 1, 8, 4, 11, 9, 6]	[0, 4, 1,
8, 11, 9, 6]			
2322	14.3%	[0, 10, 4, 5, 3, 7, 12]	[0, 10,
4, 7, 3, 5, 12]			
3810	14.3%	[0, 1, 4, 12, 5, 2, 3, 8, 10, 6]	[0, 10,
4, 1, 8, 3, 2, 5, 12, 6]			
724	14.2%	[0, 5, 7, 9, 6]	[0, 7, 5,
6, 9]			
2447	14.2%	[0, 8, 7, 12, 5, 4, 9]	[0, 4, 8,
7, 12, 5, 9]			
2892	14.2%	[0, 1, 4, 5, 11, 7, 9, 6]	[0, 4, 1,
7, 11, 5, 6, 9]			
2271	14.2%	[0, 5, 2, 11, 12, 7, 9]	[0, 7, 1
1, 12, 2, 5, 9]			
1284	14.2%	[0, 5, 2, 12, 7, 9]	[0, 7, 1
2, 2, 5, 9]			
2518	14.2%	[0, 1, 4, 5, 2, 3, 7, 11]	[0, 4, 1,
7, 3, 2, 5, 11]			
3103	14.2%	[0, 4, 5, 2, 12, 7, 9, 6]	[0, 4, 7,
12, 2, 5, 6, 9]			
3723	14.2%	[0, 4, 5, 2, 11, 12, 7, 9, 6]	[0, 4, 7,
11, 12, 2, 5, 6, 9]			
3656	14.2%	[0, 4, 5, 2, 3, 8, 7, 11, 12]	[0, 4, 8,
7, 3, 2, 5, 11, 12]			
3006	14.2%	[0, 3, 2, 8, 7, 4, 9, 6]	[0, 4, 8,

7, 3, 2, 9, 6]		
3432	14.2%	[0, 1, 4, 5, 2, 11, 7, 9, 6]
7, 11, 2, 5, 6, 9]		[0, 4, 1,
1025	14.1%	[0, 1, 8, 4, 11, 6]
8, 11, 6]		[0, 4, 1,
3496	14.1%	[0, 11, 12, 2, 5, 1, 8, 10, 6]
8, 1, 2, 5, 11, 12, 6]		[0, 10,
3116	14.1%	[0, 11, 12, 2, 5, 4, 10, 6]
4, 5, 2, 11, 12, 6]		[0, 10,
1988	14.1%	[0, 1, 8, 4, 11, 12, 9]
8, 11, 12, 9]		[0, 4, 1,
1045	14.1%	[0, 1, 8, 4, 12, 9]
8, 12, 9]		[0, 4, 1,
1378	14.1%	[0, 4, 3, 7, 11, 12]
3, 11, 12]		[0, 4, 7,
600	14.1%	[0, 4, 3, 7, 12]
3, 12]		[0, 4, 7,
3929	14.1%	[0, 1, 4, 12, 11, 5, 3, 8, 10, 6]
4, 1, 8, 3, 5, 11, 12, 6]		[0, 10,
1371	14.0%	[0, 4, 3, 8, 7, 11]
7, 3, 11]		[0, 4, 8,
3205	14.0%	[0, 10, 4, 5, 3, 8, 7, 12]
4, 8, 7, 3, 5, 12]		[0, 10,
2934	14.0%	[0, 1, 8, 4, 11, 12, 9, 6]
8, 11, 12, 9, 6]		[0, 4, 1,
1968	14.0%	[0, 1, 8, 4, 12, 9, 6]
8, 12, 9, 6]		[0, 4, 1,
2724	14.0%	[0, 11, 12, 2, 5, 1, 10, 6]
1, 2, 5, 11, 12, 6]		[0, 10,
2652	14.0%	[0, 1, 4, 5, 2, 8, 7, 11]
8, 7, 11, 2, 5]		[0, 4, 1,
3195	14.0%	[0, 4, 12, 5, 3, 8, 10, 6]
4, 8, 3, 5, 12, 6]		[0, 10,
2909	14.0%	[0, 1, 8, 7, 12, 5, 4, 9]
8, 7, 12, 5, 9]		[0, 4, 1,
1006	14.0%	[0, 5, 4, 1, 7, 11]
7, 11, 5]		[0, 4, 1,
1938	14.0%	[0, 5, 4, 1, 8, 7, 11]
8, 7, 11, 5]		[0, 4, 1,
2689	13.9%	[0, 1, 2, 11, 12, 4, 10, 6]
4, 1, 2, 11, 12, 6]		[0, 10,
2543	13.9%	[0, 1, 3, 2, 12, 4, 10, 6]
4, 1, 3, 2, 12, 6]		[0, 10,
1703	13.9%	[0, 1, 2, 12, 4, 10, 6]
4, 1, 2, 12, 6]		[0, 10,
3355	13.9%	[0, 1, 3, 2, 11, 12, 4, 10, 6]
4, 1, 3, 2, 11, 12, 6]		[0, 10,
3433	13.9%	[0, 1, 4, 5, 2, 12, 7, 9, 6]
7, 12, 2, 5, 6, 9]		[0, 4, 1,
3888	13.9%	[0, 1, 4, 5, 2, 11, 12, 7, 9, 6]
7, 11, 12, 2, 5, 6, 9]		[0, 4, 1,
146	13.9%	[0, 2, 4, 9]
9]		[0, 4, 2,
3325	13.9%	[0, 1, 4, 5, 2, 3, 7, 11, 12]
7, 3, 2, 5, 11, 12]		[0, 4, 1,
3318	13.9%	[0, 1, 4, 5, 2, 3, 8, 7, 11]
8, 7, 3, 2, 5, 11]		[0, 4, 1,

744	13.8%	[0, 5, 12, 7, 9]	[0, 7, 1
2, 5, 9]			
2431	13.8%	[0, 4, 5, 12, 7, 9, 6]	[0, 4, 7,
12, 5, 6, 9]			
517	13.8%	[0, 2, 8, 4, 9]	[0, 4, 8,
2, 9]			
508	13.8%	[0, 2, 4, 9, 6]	[0, 4, 2,
9, 6]			
2291	13.8%	[0, 11, 12, 2, 8, 10, 6]	[0, 10,
8, 2, 11, 12, 6]			
2719	13.8%	[0, 12, 2, 5, 1, 8, 10, 6]	[0, 10,
8, 1, 2, 5, 12, 6]			
2359	13.8%	[0, 4, 3, 8, 7, 11, 12]	[0, 4, 8,
7, 3, 11, 12]			
1372	13.8%	[0, 4, 3, 8, 7, 12]	[0, 4, 8,
7, 3, 12]			
2039	13.8%	[0, 11, 12, 1, 8, 10, 6]	[0, 10,
8, 1, 11, 12, 6]			
2906	13.8%	[0, 1, 5, 11, 12, 4, 10, 6]	[0, 10,
4, 1, 5, 11, 12, 6]			
3525	13.8%	[0, 1, 4, 12, 5, 3, 8, 10, 6]	[0, 10,
4, 1, 8, 3, 5, 12, 6]			
696	13.8%	[0, 8, 4, 12, 6]	[0, 4, 8,
12, 6]			
309	13.7%	[0, 4, 7, 1, 2]	[0, 4, 1,
7, 2]			
1952	13.7%	[0, 11, 5, 4, 1, 10, 9]	[0, 10,
4, 1, 5, 11, 9]			
1233	13.7%	[0, 2, 8, 4, 9, 6]	[0, 4, 8,
2, 9, 6]			
2118	13.7%	[0, 5, 2, 3, 8, 7, 9]	[0, 8, 7,
3, 2, 5, 9]			
1738	13.7%	[0, 12, 2, 5, 1, 10, 6]	[0, 10,
1, 2, 5, 12, 6]			
1172	13.7%	[0, 3, 2, 8, 7, 6]	[0, 8, 7,
3, 2, 6]			
2903	13.7%	[0, 11, 5, 4, 1, 10, 9, 6]	[0, 10,
4, 1, 5, 11, 9, 6]			
2099	13.7%	[0, 3, 2, 11, 4, 10, 9]	[0, 10,
4, 3, 2, 11, 9]			
1107	13.7%	[0, 11, 12, 1, 10, 6]	[0, 10,
1, 11, 12, 6]			
3266	13.7%	[0, 8, 7, 11, 5, 4, 9, 6]	[0, 4, 8,
7, 11, 5, 6, 9]			
3089	13.6%	[0, 11, 12, 2, 3, 8, 10, 6]	[0, 10,
8, 3, 2, 11, 12, 6]			
311	13.6%	[0, 2, 1, 4, 9]	[0, 4, 1,
2, 9]			
797	13.6%	[0, 2, 3, 1, 4, 9]	[0, 4, 1,
3, 2, 9]			
3285	13.6%	[0, 11, 12, 5, 4, 8, 10, 9]	[0, 10,
4, 8, 5, 11, 12, 9]			
1982	13.6%	[0, 1, 7, 11, 4, 10, 9]	[0, 10,
4, 1, 7, 11, 9]			
3716	13.6%	[0, 8, 7, 11, 2, 5, 4, 9, 6]	[0, 4, 8,
7, 11, 2, 5, 6, 9]			
3821	13.6%	[0, 1, 4, 5, 2, 3, 8, 7, 11, 12]	[0, 4, 1,

8, 7, 3, 2, 5, 11, 12]		
3022	13.6%	[0, 3, 2, 11, 4, 10, 9, 6]
4, 3, 2, 11, 9, 6]		[0, 10,
2238	13.6%	[0, 4, 11, 2, 8, 10, 9]
4, 8, 2, 11, 9]		[0, 10,
2893	13.6%	[0, 1, 4, 5, 12, 7, 9, 6]
7, 12, 5, 6, 9]		[0, 4, 1,
1579	13.6%	[0, 11, 7, 8, 10, 9]
8, 7, 11, 9]		[0, 10,
3815	13.5%	[0, 1, 3, 2, 5, 11, 12, 4, 10, 6]
4, 1, 3, 2, 5, 11, 12, 6]		[0, 10,
1933	13.5%	[0, 11, 5, 4, 1, 10, 6]
4, 1, 5, 11, 6]		[0, 10,
3792	13.5%	[0, 11, 12, 5, 4, 8, 10, 9, 6]
4, 8, 5, 11, 12, 9, 6]		[0, 10,
2928	13.5%	[0, 1, 7, 11, 4, 10, 9, 6]
4, 1, 7, 11, 9, 6]		[0, 10,
1594	13.5%	[0, 2, 3, 1, 4, 9, 6]
3, 2, 9, 6]		[0, 4, 1,
838	13.5%	[0, 2, 1, 4, 9, 6]
2, 9, 6]		[0, 4, 1,
3142	13.5%	[0, 4, 11, 2, 8, 10, 9, 6]
4, 8, 2, 11, 9, 6]		[0, 10,
1026	13.5%	[0, 1, 8, 4, 12, 6]
8, 12, 6]		[0, 4, 1,
847	13.5%	[0, 2, 8, 1, 4, 9]
8, 2, 9]		[0, 4, 1,
2502	13.5%	[0, 11, 7, 8, 10, 9, 6]
8, 7, 11, 9, 6]		[0, 10,
2080	13.5%	[0, 3, 2, 11, 4, 10, 6]
4, 3, 2, 11, 6]		[0, 10,
1342	13.5%	[0, 4, 5, 3, 7, 11]
3, 5, 11]		[0, 4, 7,
1829	13.5%	[0, 1, 3, 12, 4, 10, 6]
4, 1, 3, 12, 6]		[0, 10,
2815	13.5%	[0, 1, 3, 12, 11, 4, 10, 6]
4, 1, 3, 11, 12, 6]		[0, 10,
2100	13.4%	[0, 3, 2, 12, 4, 10, 9]
4, 3, 2, 12, 9]		[0, 10,
3040	13.4%	[0, 3, 2, 11, 12, 4, 10, 9]
4, 3, 2, 11, 12, 9]		[0, 10,
1934	13.4%	[0, 1, 5, 12, 4, 10, 6]
4, 1, 5, 12, 6]		[0, 10,
551	13.4%	[0, 2, 11, 7, 6]
1, 2, 6]		[0, 7, 1
3036	13.4%	[0, 4, 11, 2, 3, 8, 10, 9]
4, 8, 3, 2, 11, 9]		[0, 10,
3596	13.4%	[0, 1, 8, 7, 11, 5, 4, 9, 6]
8, 7, 11, 5, 6, 9]		[0, 4, 1,
3615	13.4%	[0, 12, 11, 5, 4, 1, 8, 10, 9]
4, 1, 8, 5, 11, 12, 9]		[0, 10,
2221	13.4%	[0, 4, 11, 2, 8, 10, 6]
4, 8, 2, 11, 6]		[0, 10,
1963	13.4%	[0, 1, 7, 11, 4, 10, 6]
4, 1, 7, 11, 6]		[0, 10,
1695	13.4%	[0, 2, 8, 1, 4, 9, 6]
8, 2, 9, 6]		[0, 4, 1,

1433	13.4%	[0, 3, 7, 12, 11, 6]	[0, 7, 3,
		11, 12, 6]	
3023	13.4%	[0, 3, 2, 12, 4, 10, 9, 6]	[0, 10,
		4, 3, 2, 12, 9, 6]	
3680	13.4%	[0, 3, 2, 11, 12, 4, 10, 9, 6]	[0, 10,
		4, 3, 2, 11, 12, 9, 6]	
3999	13.4%	[0, 8, 7, 11, 12, 2, 5, 4, 9, 6]	[0, 4, 8,
		7, 11, 12, 2, 5, 6, 9]	
3717	13.4%	[0, 8, 7, 12, 2, 5, 4, 9, 6]	[0, 4, 8,
		7, 12, 2, 5, 6, 9]	
3152	13.4%	[0, 4, 11, 12, 2, 8, 10, 9]	[0, 10,
		4, 8, 2, 11, 12, 9]	
2239	13.4%	[0, 4, 12, 2, 8, 10, 9]	[0, 10,
		4, 8, 2, 12, 9]	
1983	13.4%	[0, 1, 7, 12, 4, 10, 9]	[0, 10,
		4, 1, 7, 12, 9]	
2941	13.4%	[0, 1, 7, 11, 12, 4, 10, 9]	[0, 10,
		4, 1, 7, 11, 12, 9]	
3881	13.3%	[0, 1, 8, 7, 11, 2, 5, 4, 9, 6]	[0, 4, 1,
		8, 7, 11, 2, 5, 6, 9]	
3166	13.3%	[0, 11, 12, 2, 5, 8, 10, 6]	[0, 10,
		8, 2, 5, 11, 12, 6]	
2700	13.3%	[0, 1, 4, 11, 2, 8, 10, 9]	[0, 10,
		4, 1, 8, 2, 11, 9]	
3676	13.3%	[0, 4, 11, 2, 3, 8, 10, 9, 6]	[0, 10,
		4, 8, 3, 2, 11, 9, 6]	
1520	13.3%	[0, 11, 7, 4, 10, 9]	[0, 10,
		4, 7, 11, 9]	
1567	13.3%	[0, 11, 7, 8, 10, 6]	[0, 10,
		8, 7, 11, 6]	
3957	13.3%	[0, 12, 11, 5, 4, 1, 8, 10, 9, 6]	[0, 10,
		4, 1, 8, 5, 11, 12, 9, 6]	
2508	13.3%	[0, 11, 12, 7, 8, 10, 9]	[0, 10,
		8, 7, 11, 12, 9]	
2753	13.3%	[0, 11, 12, 2, 1, 8, 10, 6]	[0, 10,
		8, 1, 2, 11, 12, 6]	
3419	13.3%	[0, 11, 12, 2, 3, 1, 8, 10, 6]	[0, 10,
		8, 1, 3, 2, 11, 12, 6]	
3143	13.3%	[0, 4, 12, 2, 8, 10, 9, 6]	[0, 10,
		4, 8, 2, 12, 9, 6]	
3741	13.3%	[0, 4, 11, 12, 2, 8, 10, 9, 6]	[0, 10,
		4, 8, 2, 11, 12, 9, 6]	
2929	13.3%	[0, 1, 7, 12, 4, 10, 9, 6]	[0, 10,
		4, 1, 7, 12, 9, 6]	
3620	13.3%	[0, 1, 7, 11, 12, 4, 10, 9, 6]	[0, 10,
		4, 1, 7, 11, 12, 9, 6]	
1534	13.3%	[0, 5, 11, 7, 9, 6]	[0, 7, 1
		1, 5, 6, 9]	
3472	13.3%	[0, 1, 4, 11, 2, 8, 10, 9, 6]	[0, 10,
		4, 1, 8, 2, 11, 9, 6]	
2456	13.3%	[0, 12, 5, 4, 8, 10, 9]	[0, 10,
		4, 8, 5, 12, 9]	
2466	13.2%	[0, 11, 7, 4, 10, 9, 6]	[0, 10,
		4, 7, 11, 9, 6]	
778	13.2%	[0, 7, 8, 10, 9]	[0, 10,
		8, 7, 9]	
1259	13.2%	[0, 2, 11, 4, 10, 9]	[0, 10,

4, 2, 11, 9]		
2248	13.2%	[0, 5, 2, 11, 7, 9, 6]
1, 2, 5, 6, 9]		[0, 7, 1
2323	13.2%	[0, 4, 5, 3, 7, 11, 12]
3, 5, 11, 12]		[0, 4, 7,
3300	13.2%	[0, 11, 12, 7, 8, 10, 9, 6]
8, 7, 11, 12, 9, 6]		[0, 10,
1428	13.2%	[0, 7, 3, 10, 9, 6]
9, 6, 7, 3]		[0, 10,
3314	13.2%	[0, 1, 3, 2, 5, 12, 4, 10, 6]
4, 1, 3, 2, 5, 12, 6]		[0, 10,
3002	13.2%	[0, 3, 2, 5, 11, 4, 10, 9]
4, 5, 2, 3, 11, 9]		[0, 10,
3019	13.2%	[0, 4, 11, 2, 3, 8, 10, 6]
4, 8, 3, 2, 11, 6]		[0, 10,
1779	13.2%	[0, 11, 12, 2, 1, 10, 6]
1, 2, 11, 12, 6]		[0, 10,
2619	13.2%	[0, 11, 12, 2, 3, 1, 10, 6]
1, 3, 2, 11, 12, 6]		[0, 10,
669	13.2%	[0, 5, 4, 9, 6]
6, 9]		[0, 4, 5,
3276	13.2%	[0, 12, 5, 4, 8, 10, 9, 6]
4, 8, 5, 12, 9, 6]		[0, 10,
552	13.2%	[0, 2, 12, 7, 6]
2, 2, 6]		[0, 7, 1
1307	13.2%	[0, 2, 11, 12, 7, 6]
1, 12, 2, 6]		[0, 7, 1
3686	13.2%	[0, 4, 11, 12, 2, 3, 8, 10, 9]
4, 8, 3, 2, 11, 12, 9]		[0, 10,
3037	13.2%	[0, 4, 12, 2, 3, 8, 10, 9]
4, 8, 3, 2, 12, 9]		[0, 10,
3324	13.2%	[0, 10, 4, 5, 2, 3, 1, 7, 12]
4, 1, 7, 3, 2, 5, 12]		[0, 10,
3820	13.2%	[0, 10, 4, 5, 2, 3, 1, 8, 7, 12]
4, 1, 8, 7, 3, 2, 5, 12]		[0, 10,
1385	13.2%	[0, 3, 11, 4, 10, 9]
4, 3, 11, 9]		[0, 10,
3366	13.2%	[0, 1, 4, 11, 2, 3, 8, 10, 9]
4, 1, 8, 3, 2, 11, 9]		[0, 10,
1137	13.2%	[0, 2, 3, 7, 4, 9]
3, 2, 9]		[0, 4, 7,
2224	13.1%	[0, 2, 11, 4, 10, 9, 6]
4, 2, 11, 9, 6]		[0, 10,
2417	13.1%	[0, 11, 12, 3, 8, 10, 6]
8, 3, 11, 12, 6]		[0, 10,
2316	13.1%	[0, 4, 5, 3, 8, 7, 11]
7, 3, 5, 11]		[0, 4, 8,
2683	13.1%	[0, 1, 4, 11, 2, 8, 10, 6]
4, 1, 8, 2, 11, 6]		[0, 10,
3647	13.1%	[0, 3, 2, 5, 11, 4, 10, 9, 6]
4, 5, 2, 3, 11, 9, 6]		[0, 10,
1564	13.1%	[0, 7, 8, 10, 9, 6]
8, 7, 9, 6]		[0, 10,
2701	13.1%	[0, 1, 4, 12, 2, 8, 10, 9]
4, 1, 8, 2, 12, 9]		[0, 10,
3482	13.1%	[0, 1, 4, 11, 12, 2, 8, 10, 9]
4, 1, 8, 2, 11, 12, 9]		[0, 10,

3987	13.1%	[0, 4, 11, 12, 2, 3, 8, 10, 9, 6]	[0, 10,
4, 8, 3, 2, 11, 12, 9, 6]			
3677	13.1%	[0, 4, 12, 2, 3, 8, 10, 9, 6]	[0, 10,
4, 8, 3, 2, 12, 9, 6]			
4054	13.1%	[0, 1, 8, 7, 11, 12, 2, 5, 4, 9, 6]	[0, 4, 1,
8, 7, 11, 12, 2, 5, 6, 9]			
3882	13.1%	[0, 1, 8, 7, 12, 2, 5, 4, 9, 6]	[0, 4, 1,
8, 7, 12, 2, 5, 6, 9]			
2350	13.1%	[0, 3, 11, 4, 10, 9, 6]	[0, 10,
4, 3, 11, 9, 6]			
1501	13.1%	[0, 11, 7, 4, 10, 6]	[0, 10,
4, 7, 11, 6]			
3841	13.1%	[0, 1, 4, 11, 2, 3, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 3, 2, 11, 9, 6]			
2479	13.1%	[0, 11, 12, 7, 4, 10, 9]	[0, 10,
4, 7, 11, 12, 9]			
2069	13.1%	[0, 2, 3, 7, 4, 9, 6]	[0, 4, 7,
3, 2, 9, 6]			
3530	13.1%	[0, 1, 3, 5, 11, 12, 4, 10, 6]	[0, 10,
4, 1, 3, 5, 11, 12, 6]			
634	13.1%	[0, 7, 3, 10, 6]	[0, 10,
6, 7, 3]			
3473	13.0%	[0, 1, 4, 12, 2, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 2, 12, 9, 6]			
3906	13.0%	[0, 1, 4, 11, 12, 2, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 2, 11, 12, 9, 6]			
2918	13.0%	[0, 12, 5, 4, 1, 8, 10, 9]	[0, 10,
4, 1, 8, 5, 12, 9]			
3267	13.0%	[0, 8, 7, 12, 5, 4, 9, 6]	[0, 4, 8,
7, 12, 5, 6, 9]			
1240	13.0%	[0, 2, 11, 4, 10, 6]	[0, 10,
4, 2, 11, 6]			
1577	13.0%	[0, 11, 12, 8, 10, 6]	[0, 10,
8, 11, 12, 6]			
3661	13.0%	[0, 4, 11, 5, 2, 3, 8, 10, 9]	[0, 10,
4, 8, 3, 2, 5, 11, 9]			
2983	13.0%	[0, 3, 2, 5, 11, 4, 10, 6]	[0, 10,
4, 5, 2, 3, 11, 6]			
1260	13.0%	[0, 2, 12, 4, 10, 9]	[0, 10,
4, 2, 12, 9]			
2242	13.0%	[0, 2, 11, 12, 4, 10, 9]	[0, 10,
4, 2, 11, 12, 9]			
2257	13.0%	[0, 12, 2, 5, 8, 10, 6]	[0, 10,
8, 2, 5, 12, 6]			
1263	13.0%	[0, 5, 2, 8, 7, 6]	[0, 8, 7,
2, 5, 6]			
3665	13.0%	[0, 3, 2, 5, 11, 12, 4, 10, 9]	[0, 10,
4, 5, 2, 3, 11, 12, 9]			
1404	13.0%	[0, 5, 3, 8, 7, 9]	[0, 8, 7,
3, 5, 9]			
2249	13.0%	[0, 5, 2, 12, 7, 9, 6]	[0, 7, 1
2, 2, 5, 6, 9]			
3161	13.0%	[0, 5, 2, 11, 12, 7, 9, 6]	[0, 7, 1
1, 12, 2, 5, 6, 9]			
3290	13.0%	[0, 11, 12, 7, 4, 10, 9, 6]	[0, 10,
4, 7, 11, 12, 9, 6]			
1366	13.0%	[0, 3, 11, 4, 10, 6]	[0, 10,

4, 3, 11, 6]		
3349	13.0% [0, 1, 4, 11, 2, 3, 8, 10, 6]	[0, 10,
4, 1, 8, 3, 2, 11, 6]		
3606	13.0% [0, 12, 5, 4, 1, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 5, 12, 9, 6]		
2368	13.0% [0, 3, 12, 11, 4, 10, 9]	[0, 10,
4, 3, 11, 12, 9]		
1386	13.0% [0, 3, 12, 4, 10, 9]	[0, 10,
4, 3, 12, 9]		
501	12.9% [0, 8, 4, 5, 2]	[0, 4, 8,
2, 5]		
3367	12.9% [0, 1, 4, 12, 2, 3, 8, 10, 9]	[0, 10,
4, 1, 8, 3, 2, 12, 9]		
3851	12.9% [0, 1, 4, 11, 12, 2, 3, 8, 10, 9]	[0, 10,
4, 1, 8, 3, 2, 11, 12, 9]		
3971	12.9% [0, 4, 11, 5, 2, 3, 8, 10, 9, 6]	[0, 10,
4, 8, 3, 2, 5, 11, 9, 6]		
1804	12.9% [0, 1, 4, 5, 3, 7, 11]	[0, 4, 1,
7, 3, 5, 11]		
2225	12.9% [0, 2, 12, 4, 10, 9, 6]	[0, 10,
4, 2, 12, 9, 6]		
3146	12.9% [0, 2, 11, 12, 4, 10, 9, 6]	[0, 10,
4, 2, 11, 12, 9, 6]		
707	12.9% [0, 7, 4, 10, 9]	[0, 10,
4, 7, 9]		
3975	12.9% [0, 3, 2, 5, 11, 12, 4, 10, 9, 6]	[0, 10,
4, 5, 2, 3, 11, 12, 9, 6]		
719	12.9% [0, 11, 4, 10, 9]	[0, 10,
4, 11, 9]		
2364	12.9% [0, 4, 11, 3, 8, 10, 9]	[0, 10,
4, 8, 3, 11, 9]		
3206	12.9% [0, 4, 5, 3, 8, 7, 11, 12]	[0, 4, 8,
7, 3, 5, 11, 12]		
384	12.9% [0, 1, 4, 5, 11]	[0, 4, 1,
5, 11]		
3230	12.9% [0, 3, 12, 11, 4, 10, 9, 6]	[0, 10,
4, 3, 11, 12, 9, 6]		
2351	12.9% [0, 3, 12, 4, 10, 9, 6]	[0, 10,
4, 3, 12, 9, 6]		
4042	12.9% [0, 1, 4, 11, 12, 2, 3, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 3, 2, 11, 12, 9, 6]		
3842	12.9% [0, 1, 4, 12, 2, 3, 8, 10, 9, 6]	[0, 10,
4, 1, 8, 3, 2, 12, 9, 6]		
1634	12.8% [0, 1, 3, 2, 8, 7, 6]	[0, 1, 8,
7, 3, 2, 6]		
2530	12.8% [0, 4, 1, 3, 2, 8, 7, 6]	[0, 4, 1,
8, 7, 3, 2, 6]		
3226	12.8% [0, 4, 11, 3, 8, 10, 9, 6]	[0, 10,
4, 8, 3, 11, 9, 6]		
815	12.8% [0, 1, 2, 3, 7, 9]	[0, 1, 7,
3, 2, 9]		
1599	12.8% [0, 2, 3, 7, 1, 4, 9]	[0, 4, 1,
7, 3, 2, 9]		
1510	12.8% [0, 11, 4, 10, 9, 6]	[0, 10,
4, 11, 9, 6]		
2879	12.8% [0, 11, 12, 3, 1, 8, 10, 6]	[0, 10,
8, 1, 3, 11, 12, 6]		

2019	12.8%	[0, 1, 5, 11, 12, 7, 9]	[0, 1, 7,
		11, 12, 5, 9]	
3644	12.8%	[0, 4, 11, 5, 2, 3, 8, 10, 6]	[0, 10,
		4, 8, 3, 2, 5, 11, 6]	
1498	12.8%	[0, 7, 4, 10, 9, 6]	[0, 10,
		4, 7, 9, 6]	
3981	12.8%	[0, 4, 12, 11, 5, 2, 3, 8, 10, 9]	[0, 10,
		4, 8, 3, 2, 5, 11, 12, 9]	
3826	12.8%	[0, 1, 4, 11, 5, 2, 3, 8, 10, 9]	[0, 10,
		4, 1, 8, 3, 2, 5, 11, 9]	
3597	12.8%	[0, 1, 8, 7, 12, 5, 4, 9, 6]	[0, 4, 1,
		8, 7, 12, 5, 6, 9]	
1635	12.8%	[0, 1, 2, 3, 7, 9, 6]	[0, 1, 7,
		3, 2, 9, 6]	
2531	12.8%	[0, 2, 3, 7, 1, 4, 9, 6]	[0, 4, 1,
		7, 3, 2, 9, 6]	
1905	12.7%	[0, 11, 12, 3, 1, 10, 6]	[0, 10,
		1, 3, 11, 12, 6]	
2774	12.7%	[0, 1, 3, 5, 12, 4, 10, 6]	[0, 10,
		4, 1, 3, 5, 12, 6]	
4076	12.7%	[0, 4, 12, 11, 5, 2, 3, 8, 10, 9, 6]	[0, 10,
		4, 8, 3, 2, 5, 11, 12, 9, 6]	
2347	12.7%	[0, 4, 11, 3, 8, 10, 6]	[0, 10,
		4, 8, 3, 11, 6]	
1114	12.7%	[0, 11, 7, 1, 10, 9]	[0, 10,
		1, 7, 11, 9]	
4026	12.7%	[0, 1, 4, 11, 5, 2, 3, 8, 10, 9, 6]	[0, 10,
		4, 1, 8, 3, 2, 5, 11, 9, 6]	
2365	12.7%	[0, 4, 12, 3, 8, 10, 9]	[0, 10,
		4, 8, 3, 12, 9]	
3236	12.7%	[0, 4, 11, 12, 3, 8, 10, 9]	[0, 10,
		4, 8, 3, 11, 12, 9]	
2785	12.7%	[0, 1, 4, 5, 3, 7, 11, 12]	[0, 4, 1,
		7, 3, 5, 11, 12]	
700	12.7%	[0, 11, 4, 10, 6]	[0, 10,
		4, 11, 6]	
2197	12.7%	[0, 2, 5, 4, 7, 11, 12]	[0, 4, 7,
		11, 12, 2, 5]	
1217	12.7%	[0, 2, 5, 4, 7, 12]	[0, 4, 7,
		12, 2, 5]	
2826	12.7%	[0, 1, 4, 11, 3, 8, 10, 9]	[0, 10,
		4, 1, 8, 3, 11, 9]	
2330	12.7%	[0, 3, 5, 11, 4, 10, 9]	[0, 10,
		4, 5, 3, 11, 9]	
1528	12.7%	[0, 11, 12, 4, 10, 9]	[0, 10,
		4, 11, 12, 9]	
1535	12.7%	[0, 5, 12, 7, 9, 6]	[0, 7, 1
		2, 5, 6, 9]	
1568	12.7%	[0, 12, 7, 8, 10, 6]	[0, 10,
		8, 7, 12, 6]	
2032	12.6%	[0, 11, 7, 1, 10, 9, 6]	[0, 10,
		1, 7, 11, 9, 6]	
3777	12.6%	[0, 4, 11, 12, 3, 8, 10, 9, 6]	[0, 10,
		4, 8, 3, 11, 12, 9, 6]	
3227	12.6%	[0, 4, 12, 3, 8, 10, 9, 6]	[0, 10,
		4, 8, 3, 12, 9, 6]	
2778	12.6%	[0, 1, 4, 5, 3, 8, 7, 11]	[0, 4, 1,

8, 7, 3, 5, 11]		
3556	12.6%	[0, 1, 4, 11, 3, 8, 10, 9, 6]
4, 1, 8, 3, 11, 9, 6]		[0, 10,
3197	12.6%	[0, 3, 5, 11, 4, 10, 9, 6]
4, 5, 3, 11, 9, 6]		[0, 10,
1838	12.6%	[0, 10, 4, 1, 3, 7, 11]
4, 1, 7, 3, 11]		[0, 10,
3809	12.6%	[0, 1, 4, 11, 5, 2, 3, 8, 10, 6]
4, 1, 8, 3, 2, 5, 11, 6]		[0, 10,
2474	12.6%	[0, 11, 12, 4, 10, 9, 6]
4, 11, 12, 9, 6]		[0, 10,
1017	12.6%	[0, 1, 4, 5, 11, 12]
5, 11, 12]		[0, 4, 1,
4036	12.6%	[0, 1, 4, 12, 11, 5, 2, 3, 8, 10, 9]
4, 1, 8, 3, 2, 5, 11, 12, 9]		[0, 10,
1620	12.6%	[0, 1, 5, 2, 3, 7, 9]
3, 2, 5, 9]		[0, 1, 7,
1502	12.5%	[0, 7, 12, 4, 10, 6]
4, 7, 12, 6]		[0, 10,
4087	12.5%	[0, 1, 4, 12, 11, 5, 2, 3, 8, 10, 9, 6]
4, 1, 8, 3, 2, 5, 11, 12, 9, 6]		[0, 10,
1095	12.5%	[0, 11, 7, 1, 10, 6]
1, 7, 11, 6]		[0, 10,
3211	12.5%	[0, 4, 11, 5, 3, 8, 10, 9]
4, 8, 3, 5, 11, 9]		[0, 10,
2809	12.5%	[0, 1, 4, 11, 3, 8, 10, 6]
4, 1, 8, 3, 11, 6]		[0, 10,
2311	12.5%	[0, 3, 5, 11, 4, 10, 6]
4, 5, 3, 11, 6]		[0, 10,
3215	12.5%	[0, 3, 5, 11, 12, 4, 10, 9]
4, 5, 3, 11, 12, 9]		[0, 10,
2827	12.5%	[0, 1, 4, 12, 3, 8, 10, 9]
4, 1, 8, 3, 12, 9]		[0, 10,
3566	12.5%	[0, 1, 4, 11, 12, 3, 8, 10, 9]
4, 1, 8, 3, 11, 12, 9]		[0, 10,
2045	12.5%	[0, 11, 12, 7, 1, 10, 9]
1, 7, 11, 12, 9]		[0, 10,
2984	12.5%	[0, 3, 2, 5, 12, 4, 10, 6]
4, 5, 2, 3, 12, 6]		[0, 10,
3662	12.5%	[0, 4, 12, 5, 2, 3, 8, 10, 9]
4, 8, 3, 2, 5, 12, 9]		[0, 10,
741	12.5%	[0, 5, 8, 7, 12]
12, 5]		[0, 8, 7,
1554	12.5%	[0, 5, 8, 7, 11, 12]
11, 12, 5]		[0, 8, 7,
3761	12.4%	[0, 4, 11, 5, 3, 8, 10, 9, 6]
4, 8, 3, 5, 11, 9, 6]		[0, 10,
1192	12.4%	[0, 3, 2, 11, 7, 9]
2, 11, 9]		[0, 7, 3,
3765	12.4%	[0, 3, 5, 11, 12, 4, 10, 9, 6]
4, 5, 3, 11, 12, 9, 6]		[0, 10,
3557	12.4%	[0, 1, 4, 12, 3, 8, 10, 9, 6]
4, 1, 8, 3, 12, 9, 6]		[0, 10,
3942	12.4%	[0, 1, 4, 11, 12, 3, 8, 10, 9, 6]
4, 1, 8, 3, 11, 12, 9, 6]		[0, 10,
1839	12.4%	[0, 10, 4, 1, 3, 7, 12]
4, 1, 7, 3, 12]		[0, 10,

2825	12.4%	[0, 10, 4, 1, 3, 7, 11, 12]	[0, 10,
		4, 1, 7, 3, 11, 12]	
2968	12.4%	[0, 11, 12, 7, 1, 10, 9, 6]	[0, 10,
		1, 7, 11, 12, 9, 6]	
3536	12.4%	[0, 1, 4, 5, 3, 8, 7, 11, 12]	[0, 4, 1,
		8, 7, 3, 5, 11, 12]	
3972	12.4%	[0, 4, 12, 5, 2, 3, 8, 10, 9, 6]	[0, 10,
		4, 8, 3, 2, 5, 12, 9, 6]	
2580	12.4%	[0, 1, 5, 2, 3, 8, 7, 9]	[0, 1, 8,
		7, 3, 2, 5, 9]	
647	12.4%	[0, 3, 8, 7, 9]	[0, 8, 7,
		3, 9]	
2819	12.4%	[0, 10, 4, 1, 3, 8, 7, 11]	[0, 10,
		4, 1, 8, 7, 3, 11]	
2143	12.4%	[0, 3, 2, 11, 7, 9, 6]	[0, 7, 3,
		2, 11, 9, 6]	
3194	12.3%	[0, 4, 11, 5, 3, 8, 10, 6]	[0, 10,
		4, 8, 3, 5, 11, 6]	
3535	12.3%	[0, 10, 4, 5, 3, 1, 8, 7, 12]	[0, 10,
		4, 1, 8, 7, 3, 5, 12]	
2784	12.3%	[0, 10, 4, 5, 3, 1, 7, 12]	[0, 10,
		4, 1, 7, 3, 5, 12]	
3771	12.3%	[0, 4, 12, 11, 5, 3, 8, 10, 9]	[0, 10,
		4, 8, 3, 5, 11, 12, 9]	
3541	12.3%	[0, 1, 4, 11, 5, 3, 8, 10, 9]	[0, 10,
		4, 1, 8, 3, 5, 11, 9]	
1050	12.3%	[0, 12, 4, 1, 10, 9]	[0, 10,
		4, 1, 12, 9]	
1424	12.3%	[0, 3, 8, 7, 9, 6]	[0, 8, 7,
		3, 9, 6]	
3827	12.3%	[0, 1, 4, 12, 5, 2, 3, 8, 10, 9]	[0, 10,
		4, 1, 8, 3, 2, 5, 12, 9]	
2735	12.3%	[0, 11, 2, 5, 1, 8, 10, 9]	[0, 10,
		8, 1, 2, 5, 11, 9]	
4011	12.3%	[0, 4, 12, 11, 5, 3, 8, 10, 9, 6]	[0, 10,
		4, 8, 3, 5, 11, 12, 9, 6]	
3926	12.2%	[0, 1, 4, 11, 5, 3, 8, 10, 9, 6]	[0, 10,
		4, 1, 8, 3, 5, 11, 9, 6]	
343	12.2%	[0, 1, 4, 5, 3]	[0, 4, 1,
		3, 5]	
1973	12.2%	[0, 12, 4, 1, 10, 9, 6]	[0, 10,
		4, 1, 12, 9, 6]	
2166	12.2%	[0, 3, 2, 11, 12, 7, 9]	[0, 7, 3,
		2, 11, 12, 9]	
1193	12.2%	[0, 3, 2, 12, 7, 9]	[0, 7, 3,
		2, 12, 9]	
4027	12.2%	[0, 1, 4, 12, 5, 2, 3, 8, 10, 9, 6]	[0, 10,
		4, 1, 8, 3, 2, 5, 12, 9, 6]	
3493	12.2%	[0, 11, 2, 5, 1, 8, 10, 9, 6]	[0, 10,
		8, 1, 2, 5, 11, 9, 6]	
2820	12.2%	[0, 10, 4, 1, 3, 8, 7, 12]	[0, 10,
		4, 1, 8, 7, 3, 12]	
3564	12.2%	[0, 10, 4, 1, 3, 8, 7, 11, 12]	[0, 10,
		4, 1, 8, 7, 3, 11, 12]	
1756	12.2%	[0, 11, 2, 5, 1, 10, 9]	[0, 10,
		1, 2, 5, 11, 9]	
1126	12.2%	[0, 3, 2, 5, 4, 9]	[0, 4, 5,

2, 3, 9]		
3041	12.2%	[0, 5, 2, 3, 8, 7, 9, 6]
3, 2, 5, 6, 9]		[0, 8, 7,
2659	12.2%	[0, 2, 5, 4, 1, 7, 11, 12]
7, 11, 12, 2, 5]		[0, 4, 1,
1679	12.2%	[0, 2, 5, 4, 1, 7, 12]
7, 12, 2, 5]		[0, 4, 1,
1160	12.1%	[0, 5, 2, 3, 7, 11]
2, 5, 11]		[0, 7, 3,
3084	12.1%	[0, 3, 2, 11, 12, 7, 9, 6]
2, 11, 12, 9, 6]		[0, 7, 3,
2144	12.1%	[0, 3, 2, 12, 7, 9, 6]
2, 12, 9, 6]		[0, 7, 3,
3733	12.1%	[0, 10, 4, 5, 2, 8, 7, 11, 12]
4, 8, 7, 11, 12, 2, 5]		[0, 10,
3121	12.1%	[0, 10, 4, 5, 2, 8, 7, 12]
4, 8, 7, 12, 2, 5]		[0, 10,
984	12.1%	[0, 10, 1, 3, 7, 11]
1, 7, 3, 11]		[0, 10,
447	12.1%	[0, 7, 1, 10, 9]
1, 7, 9]		[0, 10,
1219	12.1%	[0, 10, 8, 4, 5, 2]
4, 8, 2, 5]		[0, 10,
3524	12.1%	[0, 1, 4, 11, 5, 3, 8, 10, 6]
4, 1, 8, 3, 5, 11, 6]		[0, 10,
3936	12.1%	[0, 1, 4, 12, 11, 5, 3, 8, 10, 9]
4, 1, 8, 3, 5, 11, 12, 9]		[0, 10,
2721	12.1%	[0, 11, 2, 5, 1, 10, 9, 6]
1, 2, 5, 11, 9, 6]		[0, 10,
1490	12.1%	[0, 11, 5, 4, 10, 9]
4, 5, 11, 9]		[0, 10,
701	12.1%	[0, 12, 4, 10, 6]
4, 12, 6]		[0, 10,
2718	12.1%	[0, 11, 2, 5, 1, 8, 10, 6]
8, 1, 2, 5, 11, 6]		[0, 10,
3503	12.1%	[0, 11, 12, 2, 5, 1, 8, 10, 9]
8, 1, 2, 5, 11, 12, 9]		[0, 10,
2204	12.1%	[0, 11, 2, 5, 4, 10, 9]
4, 5, 2, 11, 9]		[0, 10,
2049	12.1%	[0, 3, 2, 5, 4, 9, 6]
2, 3, 9, 6]		[0, 4, 5,
4066	12.1%	[0, 1, 4, 12, 11, 5, 3, 8, 10, 9, 6]
4, 1, 8, 3, 5, 11, 12, 9, 6]		[0, 10,
2123	12.0%	[0, 3, 2, 5, 11, 7, 9]
2, 5, 11, 9]		[0, 7, 3,
2441	12.0%	[0, 11, 5, 4, 10, 9, 6]
4, 5, 11, 9, 6]		[0, 10,
1092	12.0%	[0, 7, 1, 10, 9, 6]
1, 7, 9, 6]		[0, 10,
2312	12.0%	[0, 3, 5, 12, 4, 10, 6]
4, 5, 3, 12, 6]		[0, 10,
3212	12.0%	[0, 4, 12, 5, 3, 8, 10, 9]
4, 8, 3, 5, 12, 9]		[0, 10,
182	12.0%	[0, 3, 4, 9]
9]		[0, 4, 3,
3913	12.0%	[0, 11, 12, 2, 5, 1, 8, 10, 9, 6]
8, 1, 2, 5, 11, 12, 9, 6]		[0, 10,

1737	12.0%	[0, 11, 2, 5, 1, 10, 6]	[0, 10,
		1, 2, 5, 11, 6]	
3113	12.0%	[0, 11, 2, 5, 4, 10, 9, 6]	[0, 10,
		4, 5, 2, 11, 9, 6]	
2739	12.0%	[0, 11, 12, 2, 5, 1, 10, 9]	[0, 10,
		1, 2, 5, 11, 12, 9]	
3046	12.0%	[0, 3, 2, 5, 11, 7, 9, 6]	[0, 7, 3,
		2, 5, 11, 9, 6]	
1721	12.0%	[0, 1, 2, 11, 4, 10, 9]	[0, 10,
		4, 1, 2, 11, 9]	
2561	12.0%	[0, 1, 3, 2, 11, 4, 10, 9]	[0, 10,
		4, 1, 3, 2, 11, 9]	
985	12.0%	[0, 10, 1, 3, 7, 12]	[0, 10,
		1, 7, 3, 12]	
1915	12.0%	[0, 10, 1, 3, 7, 11, 12]	[0, 10,
		1, 7, 3, 11, 12]	
3762	11.9%	[0, 4, 12, 5, 3, 8, 10, 9, 6]	[0, 10,
		4, 8, 3, 5, 12, 9, 6]	
652	11.9%	[0, 3, 11, 7, 9]	[0, 7, 3,
		11, 9]	
948	11.9%	[0, 1, 5, 3, 7, 9]	[0, 1, 7,
		3, 5, 9]	
1688	11.9%	[0, 10, 1, 4, 5, 2, 12]	[0, 10,
		4, 1, 2, 5, 12]	
1096	11.9%	[0, 12, 7, 1, 10, 6]	[0, 10,
		1, 7, 12, 6]	
2127	11.9%	[0, 5, 2, 3, 7, 11, 12]	[0, 7, 3,
		2, 5, 11, 12]	
3497	11.9%	[0, 11, 12, 2, 5, 1, 10, 9, 6]	[0, 10,
		1, 2, 5, 11, 12, 9, 6]	
1471	11.9%	[0, 11, 5, 4, 10, 6]	[0, 10,
		4, 5, 11, 6]	
592	11.9%	[0, 3, 4, 9, 6]	[0, 4, 3,
		9, 6]	
2686	11.9%	[0, 1, 2, 11, 4, 10, 9, 6]	[0, 10,
		4, 1, 2, 11, 9, 6]	
3352	11.9%	[0, 1, 3, 2, 11, 4, 10, 9, 6]	[0, 10,
		4, 1, 3, 2, 11, 9, 6]	
347	11.9%	[0, 3, 1, 4, 9]	[0, 4, 1,
		3, 9]	
1429	11.9%	[0, 3, 11, 7, 9, 6]	[0, 7, 3,
		11, 9, 6]	
2185	11.9%	[0, 11, 2, 5, 4, 10, 6]	[0, 10,
		4, 5, 2, 11, 6]	
3131	11.8%	[0, 11, 12, 2, 5, 4, 10, 9]	[0, 10,
		4, 5, 2, 11, 12, 9]	
831	11.8%	[0, 1, 8, 4, 5, 2]	[0, 4, 1,
		8, 2, 5]	
601	11.8%	[0, 3, 8, 4, 9]	[0, 4, 8,
		3, 9]	
3069	11.8%	[0, 3, 2, 5, 11, 12, 7, 9]	[0, 7, 3,
		2, 5, 11, 12, 9]	
3542	11.8%	[0, 1, 4, 12, 5, 3, 8, 10, 9]	[0, 10,
		4, 1, 8, 3, 5, 12, 9]	
922	11.8%	[0, 3, 1, 4, 9, 6]	[0, 4, 1,
		3, 9, 6]	
1702	11.8%	[0, 1, 2, 11, 4, 10, 6]	[0, 10,

4, 1, 2, 11, 6]		
2542	11.8%	[0, 1, 3, 2, 11, 4, 10, 6]
4, 1, 3, 2, 11, 6]		[0, 10,
3729	11.8%	[0, 11, 12, 2, 5, 4, 10, 9, 6]
4, 5, 2, 11, 12, 9, 6]		[0, 10,
1328	11.8%	[0, 11, 2, 8, 10, 9]
8, 2, 11, 9]		[0, 10,
1722	11.8%	[0, 1, 2, 12, 4, 10, 9]
4, 1, 2, 12, 9]		[0, 10,
2562	11.8%	[0, 1, 3, 2, 12, 4, 10, 9]
4, 1, 3, 2, 12, 9]		[0, 10,
2704	11.8%	[0, 1, 2, 11, 12, 4, 10, 9]
4, 1, 2, 11, 12, 9]		[0, 10,
3370	11.8%	[0, 1, 3, 2, 11, 12, 4, 10, 9]
4, 1, 3, 2, 11, 12, 9]		[0, 10,
1866	11.8%	[0, 1, 5, 3, 8, 7, 9]
7, 3, 5, 9]		[0, 1, 8,
3695	11.8%	[0, 3, 2, 5, 11, 12, 7, 9, 6]
2, 5, 11, 12, 9, 6]		[0, 7, 3,
1725	11.8%	[0, 1, 5, 2, 8, 7, 6]
7, 2, 5, 6]		[0, 1, 8,
3927	11.8%	[0, 1, 4, 12, 5, 3, 8, 10, 9, 6]
4, 1, 8, 3, 5, 12, 9, 6]		[0, 10,
2736	11.7%	[0, 12, 2, 5, 1, 8, 10, 9]
8, 1, 2, 5, 12, 9]		[0, 10,
1359	11.7%	[0, 3, 8, 4, 9, 6]
3, 9, 6]		[0, 4, 8,
653	11.7%	[0, 3, 12, 7, 9]
12, 9]		[0, 7, 3,
1452	11.7%	[0, 3, 12, 11, 7, 9]
11, 12, 9]		[0, 7, 3,
1118	11.7%	[0, 11, 1, 8, 10, 9]
8, 1, 11, 9]		[0, 10,
193	11.7%	[0, 3, 7, 6]
6]		[0, 7, 3,
385	11.7%	[0, 1, 4, 5, 12]
5, 12]		[0, 4, 1,
2288	11.7%	[0, 11, 2, 8, 10, 9, 6]
8, 2, 11, 9, 6]		[0, 10,
3353	11.7%	[0, 1, 3, 2, 12, 4, 10, 9, 6]
4, 1, 3, 2, 12, 9, 6]		[0, 10,
2687	11.7%	[0, 1, 2, 12, 4, 10, 9, 6]
4, 1, 2, 12, 9, 6]		[0, 10,
3845	11.7%	[0, 1, 3, 2, 11, 12, 4, 10, 9, 6]
4, 1, 3, 2, 11, 12, 9, 6]		[0, 10,
3476	11.7%	[0, 1, 2, 11, 12, 4, 10, 9, 6]
4, 1, 2, 11, 12, 9, 6]		[0, 10,
3494	11.7%	[0, 12, 2, 5, 1, 8, 10, 9, 6]
8, 1, 2, 5, 12, 9, 6]		[0, 10,
2412	11.7%	[0, 3, 12, 11, 7, 9, 6]
11, 12, 9, 6]		[0, 7, 3,
1430	11.7%	[0, 3, 12, 7, 9, 6]
12, 9, 6]		[0, 7, 3,
2036	11.7%	[0, 11, 1, 8, 10, 9, 6]
8, 1, 11, 9, 6]		[0, 10,
1757	11.7%	[0, 12, 2, 5, 1, 10, 9]
1, 2, 5, 12, 9]		[0, 10,

365	11.7%	[0, 1, 3, 7, 9]	[0, 1, 7,
3, 9]			
927	11.7%	[0, 4, 1, 3, 7, 9]	[0, 4, 1,
7, 3, 9]			
2410	11.7%	[0, 11, 7, 3, 10, 9, 6]	[0, 10,
9, 6, 7, 3, 11]			
459	11.6%	[0, 11, 1, 10, 9]	[0, 10,
1, 11, 9]			
2068	11.6%	[0, 4, 3, 2, 8, 7, 6]	[0, 4, 8,
7, 3, 2, 6]			
2951	11.6%	[0, 1, 5, 11, 12, 7, 9, 6]	[0, 1, 7,
11, 12, 5, 6, 9]			
2434	11.6%	[0, 4, 5, 11, 12, 7, 6]	[0, 4, 7,
11, 12, 5, 6]			
2921	11.6%	[0, 1, 5, 11, 12, 4, 10, 9]	[0, 10,
4, 1, 5, 11, 12, 9]			
3332	11.6%	[0, 1, 3, 2, 5, 11, 4, 10, 9]	[0, 10,
4, 1, 3, 2, 5, 11, 9]			
2168	11.6%	[0, 11, 2, 3, 8, 10, 9]	[0, 10,
8, 3, 2, 11, 9]			
2722	11.6%	[0, 12, 2, 5, 1, 10, 9, 6]	[0, 10,
1, 2, 5, 12, 9, 6]			
1311	11.6%	[0, 11, 2, 8, 10, 6]	[0, 10,
8, 2, 11, 6]			
1104	11.6%	[0, 11, 1, 10, 9, 6]	[0, 10,
1, 11, 9, 6]			
2298	11.6%	[0, 11, 12, 2, 8, 10, 9]	[0, 10,
8, 2, 11, 12, 9]			
963	11.6%	[0, 1, 3, 7, 9, 6]	[0, 1, 7,
3, 9, 6]			
1817	11.6%	[0, 4, 1, 3, 7, 9, 6]	[0, 4, 1,
7, 3, 9, 6]			
1101	11.6%	[0, 11, 1, 8, 10, 6]	[0, 10,
8, 1, 11, 6]			
3609	11.5%	[0, 1, 5, 11, 12, 4, 10, 9, 6]	[0, 10,
4, 1, 5, 11, 12, 9, 6]			
3812	11.5%	[0, 1, 3, 2, 5, 11, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 2, 5, 11, 9, 6]			
3086	11.5%	[0, 11, 2, 3, 8, 10, 9, 6]	[0, 10,
8, 3, 2, 11, 9, 6]			
1431	11.5%	[0, 11, 7, 3, 10, 6]	[0, 10,
6, 7, 3, 11]			
2046	11.5%	[0, 11, 12, 1, 8, 10, 9]	[0, 10,
8, 1, 11, 12, 9]			
1409	11.5%	[0, 3, 5, 11, 7, 9]	[0, 7, 3,
5, 11, 9]			
931	11.5%	[0, 3, 8, 1, 4, 9]	[0, 4, 1,
8, 3, 9]			
1847	11.5%	[0, 1, 3, 11, 4, 10, 9]	[0, 10,
4, 1, 3, 11, 9]			
2369	11.5%	[0, 5, 3, 8, 7, 9, 6]	[0, 8, 7,
3, 5, 6, 9]			
3179	11.5%	[0, 11, 12, 2, 8, 10, 9, 6]	[0, 10,
8, 2, 11, 12, 9, 6]			
2124	11.5%	[0, 3, 2, 5, 12, 7, 9]	[0, 7, 3,
2, 5, 12, 9]			
1681	11.5%	[0, 10, 8, 1, 4, 5, 2]	[0, 10,

4, 1, 8, 2, 5]		
2969	11.5% [0, 11, 12, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 11, 12, 9, 6]		
2374	11.5% [0, 3, 5, 11, 7, 9, 6]	[0, 7, 3,
5, 11, 9, 6]		
2812	11.5% [0, 1, 3, 11, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 11, 9, 6]		
440	11.5% [0, 11, 1, 10, 6]	[0, 10,
1, 11, 6]		
977	11.5% [0, 1, 3, 8, 7, 9]	[0, 1, 8,
7, 3, 9]		
1831	11.5% [0, 4, 1, 3, 8, 7, 9]	[0, 4, 1,
8, 7, 3, 9]		
597	11.5% [0, 3, 7, 4, 9]	[0, 4, 7,
3, 9]		
1369	11.5% [0, 3, 7, 8, 4, 9]	[0, 4, 8,
7, 3, 9]		
1559	11.4% [0, 11, 5, 8, 10, 9]	[0, 10,
8, 5, 11, 9]		
1122	11.4% [0, 11, 12, 1, 10, 9]	[0, 10,
1, 11, 12, 9]		
3313	11.4% [0, 1, 3, 2, 5, 11, 4, 10, 6]	[0, 10,
4, 1, 3, 2, 5, 11, 6]		
1821	11.4% [0, 3, 8, 1, 4, 9, 6]	[0, 4, 1,
8, 3, 9, 6]		
586	11.4% [0, 3, 5, 4, 9]	[0, 4, 5,
3, 9]		
2151	11.4% [0, 11, 2, 3, 8, 10, 6]	[0, 10,
8, 3, 2, 11, 6]		
3047	11.4% [0, 3, 2, 5, 12, 7, 9, 6]	[0, 7, 3,
2, 5, 12, 9, 6]		
3830	11.4% [0, 1, 3, 2, 5, 11, 12, 4, 10, 9]	[0, 10,
4, 1, 3, 2, 5, 11, 12, 9]		
2273	11.4% [0, 11, 5, 2, 8, 10, 9]	[0, 10,
8, 2, 5, 11, 9]		
3096	11.4% [0, 11, 12, 2, 3, 8, 10, 9]	[0, 10,
8, 3, 2, 11, 12, 9]		
2896	11.4% [0, 1, 4, 5, 11, 12, 7, 6]	[0, 4, 1,
7, 11, 12, 5, 6]		
2491	11.4% [0, 11, 5, 8, 10, 9, 6]	[0, 10,
8, 5, 11, 9, 6]		
2040	11.4% [0, 11, 12, 1, 10, 9, 6]	[0, 10,
1, 11, 12, 9, 6]		
2444	11.4% [0, 11, 12, 5, 4, 10, 6]	[0, 10,
4, 5, 11, 12, 6]		
808	11.4% [0, 1, 2, 3, 7, 6]	[0, 1, 7,
3, 2, 6]		
1592	11.4% [0, 4, 1, 2, 3, 7, 6]	[0, 4, 1,
7, 3, 2, 6]		
1886	11.4% [0, 1, 3, 8, 7, 9, 6]	[0, 1, 8,
7, 3, 9, 6]		
2796	11.4% [0, 4, 1, 3, 8, 7, 9, 6]	[0, 4, 1,
8, 7, 3, 9, 6]		
1355	11.4% [0, 3, 7, 4, 9, 6]	[0, 4, 7,
3, 9, 6]		
2334	11.4% [0, 3, 7, 8, 4, 9, 6]	[0, 4, 8,
7, 3, 9, 6]		

4030	11.4%	[0, 1, 3, 2, 5, 11, 12, 4, 10, 9, 6] 4, 1, 3, 2, 5, 11, 12, 9, 6]	[0, 10,
1828	11.4%	[0, 1, 3, 11, 4, 10, 6] 4, 1, 3, 11, 6]	[0, 10,
3163	11.4%	[0, 11, 5, 2, 8, 10, 9, 6] 8, 2, 5, 11, 9, 6]	[0, 10,
3713	11.4%	[0, 11, 12, 2, 3, 8, 10, 9, 6] 8, 3, 2, 11, 12, 9, 6]	[0, 10,
1335	11.3%	[0, 3, 5, 4, 9, 6] 3, 9, 6]	[0, 4, 5,
2397	11.3%	[0, 3, 5, 11, 12, 7, 9] 5, 11, 12, 9]	[0, 7, 3,
2830	11.3%	[0, 1, 3, 12, 11, 4, 10, 9] 4, 1, 3, 11, 12, 9]	[0, 10,
1848	11.3%	[0, 1, 3, 12, 4, 10, 9] 4, 1, 3, 12, 9]	[0, 10,
2186	11.3%	[0, 12, 2, 5, 4, 10, 6] 4, 5, 2, 12, 6]	[0, 10,
101	11.3%	[0, 1, 4, 9] 9]	[0, 4, 1,
1790	11.3%	[0, 11, 2, 1, 8, 10, 9] 8, 1, 2, 11, 9]	[0, 10,
2630	11.3%	[0, 11, 2, 3, 1, 8, 10, 9] 8, 1, 3, 2, 11, 9]	[0, 10,
1953	11.3%	[0, 1, 5, 12, 4, 10, 9] 4, 1, 5, 12, 9]	[0, 10,
3560	11.3%	[0, 1, 3, 12, 11, 4, 10, 9, 6] 4, 1, 3, 11, 12, 9, 6]	[0, 10,
2813	11.3%	[0, 1, 3, 12, 4, 10, 9, 6] 4, 1, 3, 12, 9, 6]	[0, 10,
3245	11.3%	[0, 3, 5, 11, 12, 7, 9, 6] 5, 11, 12, 9, 6]	[0, 7, 3,
1130	11.3%	[0, 4, 2, 3, 7, 6] 3, 2, 6]	[0, 4, 7,
1542	11.3%	[0, 11, 5, 8, 10, 6] 8, 5, 11, 6]	[0, 10,
3071	11.3%	[0, 11, 5, 2, 3, 8, 10, 9] 8, 3, 2, 5, 11, 9]	[0, 10,
2904	11.2%	[0, 1, 5, 12, 4, 10, 9, 6] 4, 1, 5, 12, 9, 6]	[0, 10,
2750	11.2%	[0, 11, 2, 1, 8, 10, 9, 6] 8, 1, 2, 11, 9, 6]	[0, 10,
3416	11.2%	[0, 11, 2, 3, 1, 8, 10, 9, 6] 8, 1, 3, 2, 11, 9, 6]	[0, 10,
2256	11.2%	[0, 11, 5, 2, 8, 10, 6] 8, 2, 5, 11, 6]	[0, 10,
909	11.2%	[0, 11, 2, 1, 10, 9] 1, 2, 11, 9]	[0, 10,
1665	11.2%	[0, 11, 2, 3, 1, 10, 9] 1, 3, 2, 11, 9]	[0, 10,
3697	11.2%	[0, 11, 5, 2, 3, 8, 10, 9, 6] 8, 3, 2, 5, 11, 9, 6]	[0, 10,
388	11.2%	[0, 1, 4, 9, 6] 9, 6]	[0, 4, 1,
1454	11.2%	[0, 11, 3, 8, 10, 9] 8, 3, 11, 9]	[0, 10,
2792	11.2%	[0, 1, 3, 5, 11, 4, 10, 9]	[0, 10,

4, 1, 3, 5, 11, 9]	
3173 11.2% [0, 11, 12, 2, 5, 8, 10, 9]	[0, 10,
8, 2, 5, 11, 12, 9]	
2021 11.2% [0, 11, 5, 1, 8, 10, 9]	[0, 10,
8, 1, 5, 11, 9]	
2616 11.2% [0, 11, 2, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 2, 11, 9, 6]	
1776 11.2% [0, 11, 2, 1, 10, 9, 6]	[0, 10,
1, 2, 11, 9, 6]	
2993 11.1% [0, 10, 4, 5, 2, 3, 7, 11]	[0, 10,
4, 7, 3, 2, 5, 11]	
2613 11.1% [0, 11, 2, 3, 1, 8, 10, 6]	[0, 10,
8, 1, 3, 2, 11, 6]	
1773 11.1% [0, 11, 2, 1, 8, 10, 6]	[0, 10,
8, 1, 2, 11, 6]	
3333 11.1% [0, 1, 3, 2, 5, 12, 4, 10, 9]	[0, 10,
4, 1, 3, 2, 5, 12, 9]	
2414 11.1% [0, 11, 3, 8, 10, 9, 6]	[0, 10,
8, 3, 11, 9, 6]	
2760 11.1% [0, 11, 12, 2, 1, 8, 10, 9]	[0, 10,
8, 1, 2, 11, 12, 9]	
3426 11.1% [0, 11, 12, 2, 3, 1, 8, 10, 9]	[0, 10,
8, 1, 3, 2, 11, 12, 9]	
3527 11.1% [0, 1, 3, 5, 11, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 5, 11, 9, 6]	
635 11.1% [0, 3, 7, 11, 6]	[0, 7, 3,
11, 6]	
3054 11.1% [0, 11, 5, 2, 3, 8, 10, 6]	[0, 10,
8, 3, 2, 5, 11, 6]	
2953 11.1% [0, 11, 5, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 5, 11, 9, 6]	
3748 11.1% [0, 11, 12, 2, 5, 8, 10, 9, 6]	[0, 10,
8, 2, 5, 11, 12, 9, 6]	
620 11.1% [0, 5, 3, 7, 11]	[0, 7, 3,
5, 11]	
1216 11.1% [0, 2, 5, 4, 7, 11]	[0, 4, 7,
11, 2, 5]	
1312 11.1% [0, 12, 2, 8, 10, 6]	[0, 10,
8, 2, 12, 6]	
1084 11.1% [0, 11, 5, 1, 10, 9]	[0, 10,
1, 5, 11, 9]	
1593 11.1% [0, 3, 2, 8, 4, 1, 6]	[0, 4, 1,
8, 3, 2, 6]	
809 11.1% [0, 3, 2, 8, 1, 6]	[0, 1, 8,
3, 2, 6]	
3813 11.1% [0, 1, 3, 2, 5, 12, 4, 10, 9, 6]	[0, 10,
4, 1, 3, 2, 5, 12, 9, 6]	
1472 11.1% [0, 12, 5, 4, 10, 6]	[0, 10,
4, 5, 12, 6]	
788 11.1% [0, 11, 8, 10, 9]	[0, 10,
8, 11, 9]	
3878 11.1% [0, 11, 12, 2, 3, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 3, 2, 11, 12, 9, 6]	
3509 11.1% [0, 11, 12, 2, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 2, 11, 12, 9, 6]	
1102 11.1% [0, 12, 1, 8, 10, 6]	[0, 10,
8, 1, 12, 6]	

890	11.1%	[0, 11, 2, 1, 10, 6]	[0, 10,
		1, 2, 11, 6]	
1646	11.1%	[0, 11, 2, 3, 1, 10, 6]	[0, 10,
		1, 3, 2, 11, 6]	
2566	11.1%	[0, 1, 5, 2, 3, 7, 9, 6]	[0, 1, 7,
		3, 2, 5, 6, 9]	
2634	11.0%	[0, 11, 12, 2, 3, 1, 10, 9]	[0, 10,
		1, 3, 2, 11, 12, 9]	
1410	11.0%	[0, 3, 5, 12, 7, 9]	[0, 7, 3,
		5, 12, 9]	
1794	11.0%	[0, 11, 12, 2, 1, 10, 9]	[0, 10,
		1, 2, 11, 12, 9]	
2047	11.0%	[0, 4, 5, 2, 3, 7, 6]	[0, 4, 7,
		3, 2, 5, 6]	
1176	11.0%	[0, 3, 2, 12, 7, 6]	[0, 7, 3,
		2, 12, 6]	
2147	11.0%	[0, 3, 2, 11, 12, 7, 6]	[0, 7, 3,
		2, 11, 12, 6]	
1437	11.0%	[0, 11, 3, 8, 10, 6]	[0, 10,
		8, 3, 11, 6]	
2007	11.0%	[0, 11, 5, 1, 10, 9, 6]	[0, 10,
		1, 5, 11, 9, 6]	
2773	11.0%	[0, 1, 3, 5, 11, 4, 10, 6]	[0, 10,
		4, 1, 3, 5, 11, 6]	
1574	11.0%	[0, 11, 8, 10, 9, 6]	[0, 10,
		8, 11, 9, 6]	
2424	11.0%	[0, 11, 12, 3, 8, 10, 9]	[0, 10,
		8, 3, 11, 12, 9]	
2004	11.0%	[0, 11, 5, 1, 8, 10, 6]	[0, 10,
		8, 1, 5, 11, 6]	
3545	11.0%	[0, 1, 3, 5, 11, 12, 4, 10, 9]	[0, 10,
		4, 1, 3, 5, 11, 12, 9]	
3401	11.0%	[0, 11, 5, 2, 3, 1, 8, 10, 9]	[0, 10,
		8, 1, 3, 2, 5, 11, 9]	
2754	11.0%	[0, 11, 12, 2, 1, 10, 9, 6]	[0, 10,
		1, 2, 11, 12, 9, 6]	
3420	11.0%	[0, 11, 12, 2, 3, 1, 10, 9, 6]	[0, 10,
		1, 3, 2, 11, 12, 9, 6]	
2375	11.0%	[0, 3, 5, 12, 7, 9, 6]	[0, 7, 3,
		5, 12, 9, 6]	
3660	11.0%	[0, 10, 4, 5, 2, 3, 7, 11, 12]	[0, 10,
		4, 7, 3, 2, 5, 11, 12]	
441	11.0%	[0, 12, 1, 10, 6]	[0, 10,
		1, 12, 6]	
2152	10.9%	[0, 12, 2, 3, 8, 10, 6]	[0, 10,
		8, 3, 2, 12, 6]	
3263	10.9%	[0, 11, 12, 3, 8, 10, 9, 6]	[0, 10,
		8, 3, 11, 12, 9, 6]	
3930	10.9%	[0, 1, 3, 5, 11, 12, 4, 10, 9, 6]	[0, 10,
		4, 1, 3, 5, 11, 12, 9, 6]	
3120	10.9%	[0, 10, 4, 5, 2, 8, 7, 11]	[0, 10,
		4, 8, 7, 11, 2, 5]	
3862	10.9%	[0, 11, 5, 2, 3, 1, 8, 10, 9, 6]	[0, 10,
		8, 1, 3, 2, 5, 11, 9, 6]	
1065	10.9%	[0, 11, 5, 1, 10, 6]	[0, 10,
		1, 5, 11, 6]	
1413	10.9%	[0, 5, 3, 7, 11, 12]	[0, 7, 3,

5, 11, 12]		
771	10.9%	[0, 11, 8, 10, 6]
8, 11, 6]		[0, 10,
2596	10.9%	[0, 11, 5, 2, 3, 1, 10, 9]
1, 3, 2, 5, 11, 9]		[0, 10,
1916	10.9%	[0, 11, 3, 1, 8, 10, 9]
8, 1, 3, 11, 9]		[0, 10,
1584	10.9%	[0, 11, 12, 8, 10, 9]
8, 11, 12, 9]		[0, 10,
3654	10.9%	[0, 10, 4, 5, 2, 3, 8, 7, 11]
4, 8, 7, 3, 2, 5, 11]		[0, 10,
3371	10.9%	[0, 1, 5, 2, 3, 8, 7, 9, 6]
7, 3, 2, 5, 6, 9]		[0, 1, 8,
2448	10.9%	[0, 10, 4, 5, 8, 7, 11]
4, 8, 7, 11, 5]		[0, 10,
2274	10.9%	[0, 12, 2, 5, 8, 10, 9]
8, 2, 5, 12, 9]		[0, 10,
1376	10.9%	[0, 10, 4, 3, 7, 11]
4, 7, 3, 11]		[0, 10,
2971	10.8%	[0, 4, 5, 2, 3, 8, 7, 6]
7, 3, 2, 5, 6]		[0, 4, 8,
3387	10.8%	[0, 11, 5, 2, 3, 1, 10, 9, 6]
1, 3, 2, 5, 11, 9, 6]		[0, 10,
2876	10.8%	[0, 11, 3, 1, 8, 10, 9, 6]
8, 1, 3, 11, 9, 6]		[0, 10,
2399	10.8%	[0, 11, 5, 3, 8, 10, 9]
8, 3, 5, 11, 9]		[0, 10,
2507	10.8%	[0, 11, 12, 8, 10, 9, 6]
8, 11, 12, 9, 6]		[0, 10,
2498	10.8%	[0, 8, 5, 11, 12, 7, 9]
11, 12, 5, 9]		[0, 8, 7,
1248	10.8%	[0, 2, 11, 7, 4, 9]
11, 2, 9]		[0, 4, 7,
2229	10.8%	[0, 2, 11, 7, 8, 4, 9]
7, 11, 2, 9]		[0, 4, 8,
3384	10.8%	[0, 11, 5, 2, 3, 1, 8, 10, 6]
8, 1, 3, 2, 5, 11, 6]		[0, 10,
993	10.8%	[0, 11, 3, 1, 10, 9]
1, 3, 11, 9]		[0, 10,
3164	10.8%	[0, 12, 2, 5, 8, 10, 9, 6]
8, 2, 5, 12, 9, 6]		[0, 10,
2494	10.8%	[0, 11, 12, 5, 8, 10, 6]
8, 5, 11, 12, 6]		[0, 10,
1131	10.8%	[0, 3, 2, 8, 4, 6]
3, 2, 6]		[0, 4, 8,
479	10.8%	[0, 3, 2, 8, 6]
2, 6]		[0, 8, 3,
2509	10.8%	[0, 1, 4, 5, 2, 3, 7, 6]
7, 3, 2, 5, 6]		[0, 4, 1,
3247	10.8%	[0, 11, 5, 3, 8, 10, 9, 6]
8, 3, 5, 11, 9, 6]		[0, 10,
2121	10.8%	[0, 5, 2, 3, 8, 7, 12]
3, 2, 5, 12]		[0, 8, 7,
1902	10.8%	[0, 11, 3, 1, 10, 9, 6]
1, 3, 11, 9, 6]		[0, 10,
3133	10.8%	[0, 2, 11, 7, 8, 4, 9, 6]
7, 11, 2, 9, 6]		[0, 4, 8,

2213	10.8%	[0, 2, 11, 7, 4, 9, 6]	[0, 4, 7,
		11, 2, 9, 6]	
3262	10.8%	[0, 11, 12, 7, 3, 10, 9, 6]	[0, 10,
		9, 6, 7, 3, 11, 12]	
1487	10.7%	[0, 10, 8, 4, 5, 11]	[0, 10,
		4, 8, 5, 11]	
1899	10.7%	[0, 11, 3, 1, 8, 10, 6]	[0, 10,
		8, 1, 3, 11, 6]	
2577	10.7%	[0, 11, 5, 2, 3, 1, 10, 6]	[0, 10,
		1, 3, 2, 5, 11, 6]	
2886	10.7%	[0, 11, 12, 3, 1, 8, 10, 9]	[0, 10,
		8, 1, 3, 11, 12, 9]	
3979	10.7%	[0, 10, 4, 5, 2, 3, 8, 7, 11, 12]	[0, 10,
		4, 8, 7, 3, 2, 5, 11, 12]	
2793	10.7%	[0, 1, 3, 5, 12, 4, 10, 9]	[0, 10,
		4, 1, 3, 5, 12, 9]	
163	10.7%	[0, 7, 8, 2]	[0, 8, 7,
		2]	
3050	10.7%	[0, 3, 2, 5, 11, 12, 7, 6]	[0, 7, 3,
		2, 5, 11, 12, 6]	
1377	10.7%	[0, 10, 4, 3, 7, 12]	[0, 10,
		4, 7, 3, 12]	
2363	10.7%	[0, 10, 4, 3, 7, 11, 12]	[0, 10,
		4, 7, 3, 11, 12]	
1103	10.7%	[0, 8, 1, 12, 11, 6]	[0, 1, 8,
		11, 12, 6]	
2382	10.7%	[0, 11, 5, 3, 8, 10, 6]	[0, 10,
		8, 3, 5, 11, 6]	
1774	10.7%	[0, 12, 2, 1, 8, 10, 6]	[0, 10,
		8, 1, 2, 12, 6]	
2614	10.7%	[0, 12, 2, 3, 1, 8, 10, 6]	[0, 10,
		8, 1, 3, 2, 12, 6]	
3593	10.7%	[0, 11, 12, 3, 1, 8, 10, 9, 6]	[0, 10,
		8, 1, 3, 11, 12, 9, 6]	
680	10.7%	[0, 8, 4, 5, 11]	[0, 4, 8,
		5, 11]	
974	10.7%	[0, 11, 3, 1, 10, 6]	[0, 10,
		1, 3, 11, 6]	
3528	10.7%	[0, 1, 3, 5, 12, 4, 10, 9, 6]	[0, 10,
		4, 1, 3, 5, 12, 9, 6]	
2413	10.7%	[0, 11, 12, 7, 3, 10, 6]	[0, 10,
		6, 7, 3, 11, 12]	
1920	10.6%	[0, 11, 12, 3, 1, 10, 9]	[0, 10,
		1, 3, 11, 12, 9]	
2059	10.6%	[0, 10, 8, 4, 5, 2, 3]	[0, 10,
		4, 8, 3, 2, 5]	
3700	10.6%	[0, 11, 12, 5, 2, 3, 8, 10, 6]	[0, 10,
		8, 3, 2, 5, 11, 12, 6]	
2230	10.6%	[0, 2, 12, 7, 8, 4, 9]	[0, 4, 8,
		7, 12, 2, 9]	
1249	10.6%	[0, 2, 12, 7, 4, 9]	[0, 4, 7,
		12, 2, 9]	
3149	10.6%	[0, 2, 11, 12, 7, 8, 4, 9]	[0, 4, 8,
		7, 11, 12, 2, 9]	
2236	10.6%	[0, 2, 11, 12, 7, 4, 9]	[0, 4, 7,
		11, 12, 2, 9]	
2960	10.6%	[0, 1, 8, 5, 11, 12, 7, 9]	[0, 1, 8,

7, 11, 12, 5, 9]		
636 10.6%	[0, 3, 7, 12, 6]	[0, 7, 3,
12, 6]		
2691 10.6%	[0, 2, 11, 7, 8, 1, 4, 9]	[0, 4, 1,
8, 7, 11, 2, 9]		
1710 10.6%	[0, 2, 11, 7, 1, 4, 9]	[0, 4, 1,
7, 11, 2, 9]		
898 10.6%	[0, 1, 2, 11, 7, 9]	[0, 1, 7,
11, 2, 9]		
2357 10.6%	[0, 10, 4, 3, 8, 7, 11]	[0, 10,
4, 8, 7, 3, 11]		
1678 10.6%	[0, 2, 5, 4, 1, 7, 11]	[0, 4, 1,
7, 11, 2, 5]		
1647 10.6%	[0, 12, 2, 3, 1, 10, 6]	[0, 10,
1, 3, 2, 12, 6]		
891 10.6%	[0, 12, 2, 1, 10, 6]	[0, 10,
1, 2, 12, 6]		
2880 10.6%	[0, 11, 12, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 11, 12, 9, 6]		
3301 10.6%	[0, 1, 4, 5, 2, 3, 8, 7, 6]	[0, 4, 1,
8, 7, 3, 2, 5, 6]		
2458 10.6%	[0, 10, 8, 4, 5, 11, 12]	[0, 10,
4, 8, 5, 11, 12]		
3738 10.6%	[0, 2, 11, 12, 7, 8, 4, 9, 6]	[0, 4, 8,
7, 11, 12, 2, 9, 6]		
3134 10.6%	[0, 2, 12, 7, 8, 4, 9, 6]	[0, 4, 8,
7, 12, 2, 9, 6]		
2214 10.6%	[0, 2, 12, 7, 4, 9, 6]	[0, 4, 7,
12, 2, 9, 6]		
3140 10.6%	[0, 2, 11, 12, 7, 4, 9, 6]	[0, 4, 7,
11, 12, 2, 9, 6]		
2861 10.6%	[0, 11, 5, 3, 1, 8, 10, 9]	[0, 10,
8, 1, 3, 5, 11, 9]		
1438 10.6%	[0, 12, 3, 8, 10, 6]	[0, 10,
8, 3, 12, 6]		
156 10.6%	[0, 5, 2, 12]	[0, 2, 5,
12]		
2675 10.5%	[0, 2, 11, 7, 1, 4, 9, 6]	[0, 4, 1,
7, 11, 2, 9, 6]		
3463 10.5%	[0, 2, 11, 7, 8, 1, 4, 9, 6]	[0, 4, 1,
8, 7, 11, 2, 9, 6]		
1765 10.5%	[0, 1, 2, 11, 7, 9, 6]	[0, 1, 7,
11, 2, 9, 6]		
2201 10.5%	[0, 10, 8, 4, 5, 2, 11]	[0, 10,
4, 8, 2, 5, 11]		
2956 10.5%	[0, 11, 12, 5, 1, 8, 10, 6]	[0, 10,
8, 1, 5, 11, 12, 6]		
1538 10.5%	[0, 5, 11, 12, 7, 6]	[0, 7, 1
1, 12, 5, 6]		
1543 10.5%	[0, 12, 5, 8, 10, 6]	[0, 10,
8, 5, 12, 6]		
3577 10.5%	[0, 11, 5, 3, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 3, 5, 11, 9, 6]		
1852 10.5%	[0, 1, 5, 3, 7, 9, 6]	[0, 1, 7,
3, 5, 6, 9]		
3451 10.5%	[0, 10, 8, 7, 1, 4, 5, 2, 12]	[0, 10,
4, 1, 8, 7, 12, 2, 5]		

3898	10.5%	[0, 10, 8, 7, 1, 4, 5, 2, 11, 12] 4, 1, 8, 7, 11, 12, 2, 5]	[0, 10,
1882	10.5%	[0, 11, 5, 3, 1, 10, 9] 1, 3, 5, 11, 9]	[0, 10,
2010	10.5%	[0, 12, 11, 5, 1, 10, 6] 1, 5, 11, 12, 6]	[0, 10,
1073	10.5%	[0, 1, 5, 11, 7, 9] 11, 5, 9]	[0, 1, 7,
1333	10.5%	[0, 4, 5, 3, 7, 6] 3, 5, 6]	[0, 4, 7,
772	10.4%	[0, 12, 8, 10, 6] 8, 12, 6]	[0, 10,
2358	10.4%	[0, 10, 4, 3, 8, 7, 12] 4, 8, 7, 3, 12]	[0, 10,
3234	10.4%	[0, 10, 4, 3, 8, 7, 11, 12] 4, 8, 7, 3, 11, 12]	[0, 10,
1125	10.4%	[0, 8, 4, 5, 2, 3] 3, 2, 5]	[0, 4, 8,
2847	10.4%	[0, 11, 5, 3, 1, 10, 9, 6] 1, 3, 5, 11, 9, 6]	[0, 10,
1489	10.4%	[0, 8, 4, 5, 11, 12] 5, 11, 12]	[0, 4, 8,
3479	10.4%	[0, 2, 11, 12, 7, 8, 1, 4, 9] 8, 7, 11, 12, 2, 9]	[0, 4, 1,
2692	10.4%	[0, 2, 12, 7, 8, 1, 4, 9] 8, 7, 12, 2, 9]	[0, 4, 1,
1745	10.4%	[0, 1, 5, 2, 11, 7, 9] 11, 2, 5, 9]	[0, 1, 7,
2698	10.4%	[0, 2, 11, 12, 7, 1, 4, 9] 7, 11, 12, 2, 9]	[0, 4, 1,
1788	10.4%	[0, 1, 2, 11, 12, 7, 9] 11, 12, 2, 9]	[0, 1, 7,
1711	10.4%	[0, 2, 12, 7, 1, 4, 9] 7, 12, 2, 9]	[0, 4, 1,
899	10.4%	[0, 1, 2, 12, 7, 9] 12, 2, 9]	[0, 1, 7,
2844	10.4%	[0, 11, 5, 3, 1, 8, 10, 6] 8, 1, 3, 5, 11, 6]	[0, 10,
2107	10.4%	[0, 3, 2, 5, 12, 7, 6] 2, 5, 12, 6]	[0, 7, 3,
1220	10.4%	[0, 8, 4, 5, 2, 11] 2, 5, 11]	[0, 4, 8,
2409	10.4%	[0, 3, 8, 7, 12, 11, 6] 3, 11, 12, 6]	[0, 8, 7,
3865	10.4%	[0, 11, 12, 5, 2, 3, 1, 8, 10, 6] 8, 1, 3, 2, 5, 11, 12, 6]	[0, 10,
3130	10.4%	[0, 10, 8, 4, 5, 2, 11, 12] 4, 8, 2, 5, 11, 12]	[0, 10,
1949	10.4%	[0, 10, 8, 1, 4, 5, 11] 4, 1, 8, 5, 11]	[0, 10,
3055	10.4%	[0, 12, 5, 2, 3, 8, 10, 6] 8, 3, 2, 5, 12, 6]	[0, 10,
464	10.4%	[0, 3, 2, 4, 6] 2, 6]	[0, 4, 3,
3470	10.4%	[0, 2, 11, 12, 7, 1, 4, 9, 6] 7, 11, 12, 2, 9, 6]	[0, 4, 1,
3464	10.4%	[0, 2, 12, 7, 8, 1, 4, 9, 6]	[0, 4, 1,

8, 7, 12, 2, 9, 6]		
2676 10.4%	[0, 2, 12, 7, 1, 4, 9, 6]	[0, 4, 1,
7, 12, 2, 9, 6]		
2748 10.4%	[0, 1, 2, 11, 12, 7, 9, 6]	[0, 1, 7,
11, 12, 2, 9, 6]		
3903 10.4%	[0, 2, 11, 12, 7, 8, 1, 4, 9, 6]	[0, 4, 1,
8, 7, 11, 12, 2, 9, 6]		
1766 10.4%	[0, 1, 2, 12, 7, 9, 6]	[0, 1, 7,
12, 2, 9, 6]		
2321 10.3%	[0, 10, 4, 5, 3, 7, 11]	[0, 10,
4, 7, 3, 5, 11]		
1863 10.3%	[0, 11, 5, 3, 1, 10, 6]	[0, 10,
1, 3, 5, 11, 6]		
2831 10.3%	[0, 1, 5, 3, 8, 7, 9, 6]	[0, 1, 8,
7, 3, 5, 6, 9]		
1900 10.3%	[0, 12, 3, 1, 8, 10, 6]	[0, 10,
8, 1, 3, 12, 6]		
3390 10.3%	[0, 11, 12, 5, 2, 3, 1, 10, 6]	[0, 10,
1, 3, 2, 5, 11, 12, 6]		
3003 10.3%	[0, 3, 2, 5, 12, 4, 10, 9]	[0, 10,
4, 5, 2, 3, 12, 9]		
2299 10.3%	[0, 4, 5, 3, 8, 7, 6]	[0, 4, 8,
7, 3, 5, 6]		
2378 10.3%	[0, 3, 5, 11, 12, 7, 6]	[0, 7, 3,
5, 11, 12, 6]		
2005 10.3%	[0, 12, 5, 1, 8, 10, 6]	[0, 10,
8, 1, 5, 12, 6]		
762 10.3%	[0, 7, 10, 9, 6]	[0, 10,
9, 6, 7]		
417 10.2%	[0, 5, 1, 7, 12]	[0, 1, 7,
12, 5]		
2016 10.2%	[0, 1, 5, 8, 7, 11, 12]	[0, 1, 8,
7, 11, 12, 5]		
1077 10.2%	[0, 5, 1, 7, 11, 12]	[0, 1, 7,
11, 12, 5]		
1071 10.2%	[0, 1, 5, 8, 7, 12]	[0, 1, 8,
7, 12, 5]		
3250 10.2%	[0, 11, 12, 5, 3, 8, 10, 6]	[0, 10,
8, 3, 5, 11, 12, 6]		
1746 10.2%	[0, 1, 5, 2, 12, 7, 9]	[0, 1, 7,
12, 2, 5, 9]		
2733 10.2%	[0, 1, 5, 2, 11, 12, 7, 9]	[0, 1, 7,
11, 12, 2, 5, 9]		
975 10.2%	[0, 12, 3, 1, 10, 6]	[0, 10,
1, 3, 12, 6]		
232 10.2%	[0, 8, 4, 9]	[0, 4, 8,
9]		
3648 10.2%	[0, 3, 2, 5, 12, 4, 10, 9, 6]	[0, 10,
4, 5, 2, 3, 12, 9, 6]		
1795 10.2%	[0, 1, 4, 5, 3, 7, 6]	[0, 4, 1,
7, 3, 5, 6]		
3210 10.2%	[0, 10, 4, 5, 3, 7, 11, 12]	[0, 10,
4, 7, 3, 5, 11, 12]		
1066 10.2%	[0, 12, 5, 1, 10, 6]	[0, 10,
1, 5, 12, 6]		
2920 10.2%	[0, 10, 8, 1, 4, 5, 11, 12]	[0, 10,
4, 1, 8, 5, 11, 12]		

499	10.2%	[0, 2, 5, 4, 6]	[0, 4, 5,
2, 6]			
2663	10.2%	[0, 10, 8, 1, 4, 5, 2, 11]	[0, 10,
4, 1, 8, 2, 5, 11]			
2203	10.2%	[0, 8, 4, 5, 2, 11, 12]	[0, 4, 8,
2, 5, 11, 12]			
1010	10.2%	[0, 1, 8, 4, 5, 11]	[0, 4, 1,
8, 5, 11]			
265	10.1%	[0, 7, 10, 6]	[0, 10,
6, 7]			
693	10.1%	[0, 8, 4, 9, 6]	[0, 4, 8,
9, 6]			
3385	10.1%	[0, 12, 5, 2, 3, 1, 8, 10, 6]	[0, 10,
8, 1, 3, 2, 5, 12, 6]			
3204	10.1%	[0, 10, 4, 5, 3, 8, 7, 11]	[0, 10,
4, 8, 7, 3, 5, 11]			
2521	10.1%	[0, 10, 8, 1, 4, 5, 2, 3]	[0, 10,
4, 1, 8, 3, 2, 5]			
300	10.1%	[0, 2, 3, 1, 6]	[0, 1, 3,
2, 6]			
81	10.1%	[0, 2, 1, 6]	[0, 1, 2,
6]			
533	10.1%	[0, 7, 8, 2, 5]	[0, 8, 7,
2, 5]			
2578	10.0%	[0, 12, 5, 2, 3, 1, 10, 6]	[0, 10,
1, 3, 2, 5, 12, 6]			
2761	10.0%	[0, 1, 4, 5, 3, 8, 7, 6]	[0, 4, 1,
8, 7, 3, 5, 6]			
857	10.0%	[0, 2, 5, 1, 7, 6]	[0, 1, 7,
2, 5, 6]			
1580	10.0%	[0, 12, 7, 8, 10, 9]	[0, 10,
8, 7, 12, 9]			
3460	10.0%	[0, 10, 8, 1, 4, 5, 2, 11, 12]	[0, 10,
4, 1, 8, 2, 5, 11, 12]			
1488	10.0%	[0, 10, 8, 4, 5, 12]	[0, 10,
4, 8, 5, 12]			
1393	10.0%	[0, 3, 5, 12, 7, 6]	[0, 7, 3,
5, 12, 6]			
3580	10.0%	[0, 11, 12, 5, 3, 1, 8, 10, 6]	[0, 10,
8, 1, 3, 5, 11, 12, 6]			
323	10.0%	[0, 2, 8, 1, 6]	[0, 1, 8,
2, 6]			
837	10.0%	[0, 2, 8, 4, 1, 6]	[0, 4, 1,
8, 2, 6]			
2383	10.0%	[0, 12, 5, 3, 8, 10, 6]	[0, 10,
8, 3, 5, 12, 6]			
2154	10.0%	[0, 11, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 2, 11]			
1074	10.0%	[0, 1, 5, 12, 7, 9]	[0, 1, 7,
12, 5, 9]			
1319	10.0%	[0, 8, 2, 11, 7, 9]	[0, 8, 7,
11, 2, 9]			
2503	10.0%	[0, 12, 7, 8, 10, 9, 6]	[0, 10,
8, 7, 12, 9, 6]			
3769	10.0%	[0, 10, 4, 5, 3, 8, 7, 11, 12]	[0, 10,
4, 8, 7, 3, 5, 11, 12]			
1951	9.9%	[0, 1, 8, 4, 5, 11, 12]	[0, 4, 1,

8, 5, 11, 12]		
1521	9.9%	[0, 7, 12, 4, 10, 9]
4, 7, 12, 9]		[0, 10,
2850	9.9%	[0, 11, 12, 5, 3, 1, 10, 6]
1, 3, 5, 11, 12, 6]		[0, 10,
1895	9.9%	[0, 1, 3, 7, 12, 11, 6]
3, 11, 12, 6]		[0, 1, 7,
2805	9.9%	[0, 4, 1, 3, 7, 12, 11, 6]
7, 3, 11, 12, 6]		[0, 4, 1,
1682	9.9%	[0, 1, 8, 4, 5, 2, 11]
8, 2, 5, 11]		[0, 4, 1,
2279	9.9%	[0, 8, 2, 11, 7, 9, 6]
11, 2, 9, 6]		[0, 8, 7,
321	9.9%	[0, 1, 5, 2, 12]
5, 12]		[0, 1, 2,
2331	9.9%	[0, 3, 5, 12, 4, 10, 9]
4, 5, 3, 12, 9]		[0, 10,
397	9.9%	[0, 1, 8, 4, 9]
8, 9]		[0, 4, 1,
1184	9.9%	[0, 11, 2, 3, 10, 6]
6, 3, 2, 11]		[0, 10,
2467	9.9%	[0, 7, 12, 4, 10, 9, 6]
4, 7, 12, 9, 6]		[0, 10,
1407	9.8%	[0, 5, 3, 8, 7, 12]
3, 5, 12]		[0, 8, 7,
2992	9.8%	[0, 4, 5, 2, 3, 12, 7, 9]
3, 2, 5, 12, 9]		[0, 4, 7,
3198	9.8%	[0, 3, 5, 12, 4, 10, 9, 6]
4, 5, 3, 12, 9, 6]		[0, 10,
2295	9.8%	[0, 8, 2, 11, 12, 7, 9]
11, 12, 2, 9]		[0, 8, 7,
1320	9.8%	[0, 8, 2, 12, 7, 9]
12, 2, 9]		[0, 8, 7,
3551	9.8%	[0, 4, 1, 3, 8, 7, 12, 11, 6]
8, 7, 3, 11, 12, 6]		[0, 4, 1,
2871	9.8%	[0, 1, 3, 8, 7, 12, 11, 6]
7, 3, 11, 12, 6]		[0, 1, 8,
3637	9.8%	[0, 4, 5, 2, 3, 12, 7, 9, 6]
3, 2, 5, 12, 9, 6]		[0, 4, 7,
1023	9.8%	[0, 1, 8, 4, 9, 6]
8, 9, 6]		[0, 4, 1,
487	9.8%	[0, 2, 3, 7, 11]
2, 11]		[0, 7, 3,
1781	9.8%	[0, 1, 8, 2, 11, 7, 9]
7, 11, 2, 9]		[0, 1, 8,
2845	9.8%	[0, 12, 5, 3, 1, 8, 10, 6]
8, 1, 3, 5, 12, 6]		[0, 10,
143	9.7%	[0, 2, 4, 6]
6]		[0, 4, 2,
2280	9.7%	[0, 8, 2, 12, 7, 9, 6]
12, 2, 9, 6]		[0, 8, 7,
3176	9.7%	[0, 8, 2, 11, 12, 7, 9, 6]
11, 12, 2, 9, 6]		[0, 8, 7,
308	9.7%	[0, 2, 4, 1, 6]
2, 6]		[0, 4, 1,
2741	9.7%	[0, 1, 8, 2, 11, 7, 9, 6]
7, 11, 2, 9, 6]		[0, 1, 8,

681	9.7%	[0, 8, 4, 5, 12]	[0, 4, 8,
5, 12]			
2665	9.7%	[0, 1, 8, 4, 5, 2, 11, 12]	[0, 4, 1,
8, 2, 5, 11, 12]			
1864	9.7%	[0, 12, 5, 3, 1, 10, 6]	[0, 10,
1, 3, 5, 12, 6]			
3057	9.7%	[0, 11, 5, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 2, 5, 11]			
1950	9.7%	[0, 10, 8, 1, 4, 5, 12]	[0, 10,
4, 1, 8, 5, 12]			
1151	9.7%	[0, 5, 2, 3, 7, 6]	[0, 7, 3,
2, 5, 6]			
507	9.7%	[0, 2, 8, 4, 6]	[0, 4, 8,
2, 6]			
158	9.7%	[0, 2, 8, 6]	[0, 8, 2,
6]			
3322	9.7%	[0, 1, 4, 5, 2, 3, 12, 7, 9]	[0, 4, 1,
7, 3, 2, 5, 12, 9]			
1440	9.6%	[0, 11, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 11]			
379	9.6%	[0, 5, 4, 1, 6]	[0, 4, 1,
5, 6]			
3802	9.6%	[0, 1, 4, 5, 2, 3, 12, 7, 9, 6]	[0, 4, 1,
7, 3, 2, 5, 12, 9, 6]			
2757	9.6%	[0, 1, 8, 2, 11, 12, 7, 9]	[0, 1, 8,
7, 11, 12, 2, 9]			
1782	9.6%	[0, 1, 8, 2, 12, 7, 9]	[0, 1, 8,
7, 12, 2, 9]			
1587	9.6%	[0, 1, 8, 4, 5, 2, 3]	[0, 4, 1,
8, 3, 2, 5]			
2115	9.6%	[0, 11, 5, 2, 3, 10, 6]	[0, 10,
6, 3, 2, 5, 11]			
2987	9.6%	[0, 10, 8, 7, 4, 5, 2, 3]	[0, 10,
4, 8, 7, 3, 2, 5]			
3295	9.6%	[0, 8, 5, 11, 12, 7, 9, 6]	[0, 8, 7,
11, 12, 5, 6, 9]			
1196	9.6%	[0, 2, 3, 7, 11, 12]	[0, 7, 3,
2, 11, 12]			
488	9.6%	[0, 2, 3, 7, 12]	[0, 7, 3,
2, 12]			
720	9.6%	[0, 12, 4, 10, 9]	[0, 10,
4, 12, 9]			
3506	9.5%	[0, 1, 8, 2, 11, 12, 7, 9, 6]	[0, 1, 8,
7, 11, 12, 2, 9, 6]			
2742	9.5%	[0, 1, 8, 2, 12, 7, 9, 6]	[0, 1, 8,
7, 12, 2, 9, 6]			
794	9.5%	[0, 2, 3, 1, 4, 6]	[0, 4, 1,
3, 2, 6]			
644	9.5%	[0, 11, 3, 10, 6]	[0, 10,
6, 3, 11]			
1032	9.5%	[0, 1, 4, 12, 11, 6]	[0, 4, 1,
11, 12, 6]			
1511	9.5%	[0, 12, 4, 10, 9, 6]	[0, 10,
4, 12, 9, 6]			
1345	9.5%	[0, 10, 8, 4, 5, 3]	[0, 10,
4, 8, 3, 5]			

1693	9.5%	[0, 4, 1, 2, 11, 7, 6]	[0, 4, 1,
7, 11, 2, 6]			
881	9.5%	[0, 1, 2, 11, 7, 6]	[0, 1, 7,
11, 2, 6]			
1447	9.4%	[0, 10, 8, 3, 7, 11]	[0, 10,
8, 7, 3, 11]			
2320	9.4%	[0, 4, 5, 3, 12, 7, 9]	[0, 4, 7,
3, 5, 12, 9]			
1686	9.4%	[0, 1, 4, 5, 2, 12, 9]	[0, 4, 1,
2, 5, 12, 9]			
1115	9.4%	[0, 12, 7, 1, 10, 9]	[0, 10,
1, 7, 12, 9]			
3625	9.4%	[0, 1, 8, 5, 11, 12, 7, 9, 6]	[0, 1, 8,
7, 11, 12, 5, 6, 9]			
3187	9.4%	[0, 4, 5, 3, 12, 7, 9, 6]	[0, 4, 7,
3, 5, 12, 9, 6]			
829	9.4%	[0, 2, 5, 4, 1, 6]	[0, 4, 1,
2, 5, 6]			
2646	9.4%	[0, 1, 4, 5, 2, 12, 9, 6]	[0, 4, 1,
2, 5, 12, 9, 6]			
2033	9.4%	[0, 12, 7, 1, 10, 9, 6]	[0, 10,
1, 7, 12, 9, 6]			
1231	9.4%	[0, 4, 2, 11, 7, 6]	[0, 4, 7,
11, 2, 6]			
2910	9.3%	[0, 10, 8, 7, 1, 4, 5, 11]	[0, 10,
4, 1, 8, 7, 11, 5]			
2679	9.3%	[0, 4, 1, 2, 11, 12, 7, 6]	[0, 4, 1,
7, 11, 12, 2, 6]			
1694	9.3%	[0, 4, 1, 2, 12, 7, 6]	[0, 4, 1,
7, 12, 2, 6]			
1769	9.3%	[0, 1, 2, 11, 12, 7, 6]	[0, 1, 7,
11, 12, 2, 6]			
882	9.3%	[0, 1, 2, 12, 7, 6]	[0, 1, 7,
12, 2, 6]			
2385	9.3%	[0, 11, 5, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 5, 11]			
2422	9.3%	[0, 10, 8, 3, 7, 11, 12]	[0, 10,
8, 7, 3, 11, 12]			
1448	9.3%	[0, 10, 8, 3, 7, 12]	[0, 10,
8, 7, 3, 12]			
844	9.3%	[0, 10, 4, 7, 1, 2]	[0, 10,
4, 1, 7, 2]			
1011	9.3%	[0, 1, 8, 4, 5, 12]	[0, 4, 1,
8, 5, 12]			
3082	9.3%	[0, 7, 11, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 7, 3, 2, 11]			
2649	9.3%	[0, 1, 4, 5, 2, 12, 11, 6]	[0, 4, 1,
2, 5, 11, 12, 6]			
3450	9.3%	[0, 10, 8, 7, 1, 4, 5, 2, 11]	[0, 10,
4, 1, 8, 7, 11, 2, 5]			
2782	9.3%	[0, 1, 4, 5, 3, 12, 7, 9]	[0, 4, 1,
7, 3, 5, 12, 9]			
1401	9.2%	[0, 11, 5, 3, 10, 6]	[0, 10,
6, 3, 5, 11]			
1909	9.2%	[0, 10, 8, 1, 3, 7, 11]	[0, 10,
8, 7, 1, 3, 11]			
3517	9.2%	[0, 1, 4, 5, 3, 12, 7, 9, 6]	[0, 4, 1,

7, 3, 5, 12, 9, 6]		
2217 9.2%	[0, 4, 2, 11, 12, 7, 6]	[0, 4, 7,
11, 12, 2, 6]		
1232 9.2%	[0, 4, 2, 12, 7, 6]	[0, 4, 7,
12, 2, 6]		
2145 9.2%	[0, 7, 11, 2, 3, 10, 6]	[0, 10,
6, 7, 3, 2, 11]		
611 9.2%	[0, 5, 3, 7, 6]	[0, 7, 3,
5, 6]		
1996 9.2%	[0, 1, 5, 11, 7, 9, 6]	[0, 1, 7,
11, 5, 6, 9]		
2710 9.1%	[0, 1, 5, 2, 11, 7, 9, 6]	[0, 1, 7,
11, 2, 5, 6, 9]		
3317 9.1%	[0, 10, 8, 7, 1, 4, 5, 2, 3]	[0, 10,
4, 1, 8, 7, 3, 2, 5]		
527 9.1%	[0, 5, 2, 7, 6]	[0, 7, 2,
5, 6]		
1462 9.1%	[0, 4, 5, 11, 7, 6]	[0, 4, 7,
11, 5, 6]		
3600 9.1%	[0, 4, 5, 11, 12, 7, 8, 1, 6]	[0, 4, 1,
8, 7, 11, 12, 5, 6]		
1910 9.1%	[0, 10, 8, 1, 3, 7, 12]	[0, 10,
8, 7, 1, 3, 12]		
2884 9.1%	[0, 10, 8, 1, 3, 7, 11, 12]	[0, 10,
8, 7, 1, 3, 11, 12]		
2176 9.1%	[0, 4, 5, 2, 11, 7, 6]	[0, 4, 7,
11, 2, 5, 6]		
1943 9.1%	[0, 10, 4, 5, 1, 7, 11]	[0, 10,
4, 1, 7, 11, 5]		
3090 9.1%	[0, 11, 12, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 2, 11, 12]		
1807 9.1%	[0, 10, 8, 1, 4, 5, 3]	[0, 10,
4, 1, 8, 3, 5]		
3640 9.0%	[0, 4, 5, 2, 3, 7, 12, 11, 6]	[0, 4, 7,
3, 2, 5, 11, 12, 6]		
3653 9.0%	[0, 4, 5, 2, 3, 8, 7, 12, 9]	[0, 4, 8,
7, 3, 2, 5, 12, 9]		
3323 9.0%	[0, 10, 4, 5, 2, 3, 1, 7, 11]	[0, 10,
4, 1, 7, 3, 2, 5, 11]		
3819 9.0%	[0, 10, 4, 5, 2, 3, 1, 8, 7, 11]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11]		
1674 9.0%	[0, 1, 4, 5, 2, 12, 6]	[0, 4, 1,
2, 5, 12, 6]		
3693 9.0%	[0, 7, 11, 5, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 7, 3, 2, 5, 11]		
3963 9.0%	[0, 4, 5, 2, 3, 8, 7, 12, 9, 6]	[0, 4, 8,
7, 3, 2, 5, 12, 9, 6]		
2711 9.0%	[0, 1, 5, 2, 12, 7, 9, 6]	[0, 1, 7,
12, 2, 5, 6, 9]		
3491 9.0%	[0, 1, 5, 2, 11, 12, 7, 9, 6]	[0, 1, 7,
11, 12, 2, 5, 6, 9]		
2157 9.0%	[0, 11, 12, 2, 3, 10, 6]	[0, 10,
6, 3, 2, 11, 12]		
2459 9.0%	[0, 11, 12, 5, 4, 10, 9]	[0, 10,
4, 5, 11, 12, 9]		
1623 9.0%	[0, 1, 5, 2, 3, 7, 12]	[0, 1, 7,
3, 2, 5, 12]		

2205	8.9%	[0, 12, 2, 5, 4, 10, 9]	[0, 10,
4, 5, 2, 12, 9]			
1924	8.9%	[0, 1, 4, 5, 11, 7, 6]	[0, 4, 1,
7, 11, 5, 6]			
3048	8.9%	[0, 7, 11, 5, 2, 3, 10, 6]	[0, 10,
6, 7, 3, 2, 5, 11]			
3279	8.9%	[0, 11, 12, 5, 4, 10, 9, 6]	[0, 10,
4, 5, 11, 12, 9, 6]			
3106	8.9%	[0, 4, 5, 2, 11, 12, 7, 6]	[0, 4, 7,
11, 12, 2, 5, 6]			
2177	8.9%	[0, 4, 5, 2, 12, 7, 6]	[0, 4, 7,
12, 2, 5, 6]			
2638	8.9%	[0, 1, 4, 5, 2, 11, 7, 6]	[0, 4, 1,
7, 11, 2, 5, 6]			
1585	8.9%	[0, 3, 2, 5, 4, 1, 6]	[0, 4, 1,
3, 2, 5, 6]			
2343	8.9%	[0, 4, 3, 7, 12, 11, 6]	[0, 4, 7,
3, 11, 12, 6]			
3966	8.9%	[0, 4, 5, 2, 3, 8, 7, 12, 11, 6]	[0, 4, 8,
7, 3, 2, 5, 11, 12, 6]			
3825	8.9%	[0, 10, 4, 5, 2, 3, 1, 7, 11, 12]	[0, 10,
4, 1, 7, 3, 2, 5, 11, 12]			
4034	8.9%	[0, 10, 4, 5, 2, 3, 1, 8, 7, 11, 12]	[0, 10,
4, 1, 8, 7, 3, 2, 5, 11, 12]			
3114	8.9%	[0, 12, 2, 5, 4, 10, 9, 6]	[0, 10,
4, 5, 2, 12, 9, 6]			
3805	8.9%	[0, 1, 4, 5, 2, 3, 7, 12, 11, 6]	[0, 4, 1,
7, 3, 2, 5, 11, 12, 6]			
3818	8.9%	[0, 1, 4, 5, 2, 3, 8, 7, 12, 9]	[0, 4, 1,
8, 7, 3, 2, 5, 12, 9]			
2210	8.8%	[0, 4, 8, 2, 11, 7, 6]	[0, 4, 8,
7, 11, 2, 6]			
1300	8.8%	[0, 8, 2, 11, 7, 6]	[0, 8, 7,
11, 2, 6]			
3270	8.8%	[0, 4, 5, 11, 12, 7, 8, 6]	[0, 4, 8,
7, 11, 12, 5, 6]			
4018	8.8%	[0, 1, 4, 5, 2, 3, 8, 7, 12, 9, 6]	[0, 4, 1,
8, 7, 3, 2, 5, 12, 9, 6]			
2053	8.8%	[0, 8, 7, 4, 5, 2, 3]	[0, 4, 8,
7, 3, 2, 5]			
2975	8.8%	[0, 4, 5, 2, 3, 7, 12, 6]	[0, 4, 7,
3, 2, 5, 12, 6]			
1997	8.8%	[0, 1, 5, 12, 7, 9, 6]	[0, 1, 7,
12, 5, 6, 9]			
3221	8.8%	[0, 4, 3, 8, 7, 12, 11, 6]	[0, 4, 8,
7, 3, 11, 12, 6]			
2639	8.7%	[0, 1, 4, 5, 2, 12, 7, 6]	[0, 4, 1,
7, 12, 2, 5, 6]			
3436	8.7%	[0, 1, 4, 5, 2, 11, 12, 7, 6]	[0, 4, 1,
7, 11, 12, 2, 5, 6]			
2418	8.7%	[0, 11, 12, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 11, 12]			
4021	8.7%	[0, 1, 4, 5, 2, 3, 8, 7, 12, 11, 6]	[0, 4, 1,
8, 7, 3, 2, 5, 11, 12, 6]			
1329	8.7%	[0, 12, 2, 8, 10, 9]	[0, 10,
8, 2, 12, 9]			
1491	8.7%	[0, 12, 5, 4, 10, 9]	[0, 10,

4, 5, 12, 9]		
585	8.7%	[0, 8, 4, 5, 3]
3, 5]		
1119	8.7%	[0, 12, 1, 8, 10, 9]
8, 1, 12, 9]		
3137	8.7%	[0, 4, 8, 2, 11, 12, 7, 6]
7, 11, 12, 2, 6]		
2283	8.7%	[0, 8, 2, 11, 12, 7, 6]
11, 12, 2, 6]		
1301	8.7%	[0, 8, 2, 12, 7, 6]
12, 2, 6]		
2211	8.7%	[0, 4, 8, 2, 12, 7, 6]
7, 12, 2, 6]		
1762	8.7%	[0, 1, 8, 2, 11, 7, 6]
7, 11, 2, 6]		
2672	8.7%	[0, 1, 4, 8, 2, 11, 7, 6]
8, 7, 11, 2, 6]		
1463	8.7%	[0, 4, 5, 12, 7, 6]
12, 5, 6]		
2289	8.7%	[0, 12, 2, 8, 10, 9, 6]
8, 2, 12, 9, 6]		
3190	8.7%	[0, 4, 5, 3, 7, 12, 11, 6]
3, 5, 11, 12, 6]		
2442	8.7%	[0, 12, 5, 4, 10, 9, 6]
4, 5, 12, 9, 6]		
3203	8.7%	[0, 4, 5, 3, 8, 7, 12, 9]
7, 3, 5, 12, 9]		
2583	8.7%	[0, 1, 5, 2, 3, 8, 7, 12]
7, 3, 2, 5, 12]		
3243	8.7%	[0, 7, 11, 5, 3, 10, 9, 6]
9, 6, 7, 3, 5, 11]		
1443	8.7%	[0, 11, 12, 3, 10, 6]
6, 3, 11, 12]		
2037	8.7%	[0, 12, 1, 8, 10, 9, 6]
8, 1, 12, 9, 6]		
3634	8.6%	[0, 4, 5, 2, 3, 8, 7, 12, 6]
7, 3, 2, 5, 12, 6]		
242	8.6%	[0, 5, 7, 6]
6]		
460	8.6%	[0, 12, 1, 10, 9]
1, 12, 9]		
3305	8.6%	[0, 1, 4, 5, 2, 3, 7, 12, 6]
7, 3, 2, 5, 12, 6]		
2315	8.6%	[0, 10, 8, 7, 4, 5, 3]
4, 8, 7, 3, 5]		
3753	8.6%	[0, 4, 5, 3, 8, 7, 12, 9, 6]
7, 3, 5, 12, 9, 6]		
2169	8.6%	[0, 12, 2, 3, 8, 10, 9]
8, 3, 2, 12, 9]		
2550	8.6%	[0, 4, 1, 3, 2, 11, 7, 9]
7, 3, 2, 11, 9]		
1654	8.6%	[0, 1, 3, 2, 11, 7, 9]
3, 2, 11, 9]		
1105	8.6%	[0, 12, 1, 10, 9, 6]
1, 12, 9, 6]		
2376	8.6%	[0, 7, 11, 5, 3, 10, 6]
6, 7, 3, 5, 11]		

3087	8.6%	[0, 12, 2, 3, 8, 10, 9, 6]	[0, 10,
8, 3, 2, 12, 9, 6]			
1175	8.6%	[0, 3, 2, 11, 7, 6]	[0, 7, 3,
2, 11, 6]			
2605	8.5%	[0, 1, 3, 2, 11, 7, 9, 6]	[0, 1, 7,
3, 2, 11, 9, 6]			
3341	8.5%	[0, 4, 1, 3, 2, 11, 7, 9, 6]	[0, 4, 1,
7, 3, 2, 11, 9, 6]			
3467	8.5%	[0, 1, 4, 8, 2, 11, 12, 7, 6]	[0, 4, 1,
8, 7, 11, 12, 2, 6]			
1763	8.5%	[0, 1, 8, 2, 12, 7, 6]	[0, 1, 8,
7, 12, 2, 6]			
2673	8.5%	[0, 1, 4, 8, 2, 12, 7, 6]	[0, 4, 1,
8, 7, 12, 2, 6]			
2745	8.5%	[0, 1, 8, 2, 11, 12, 7, 6]	[0, 1, 8,
7, 11, 12, 2, 6]			
3756	8.5%	[0, 4, 5, 3, 8, 7, 12, 11, 6]	[0, 4, 8,
7, 3, 5, 11, 12, 6]			
1925	8.5%	[0, 1, 4, 5, 12, 7, 6]	[0, 4, 1,
7, 12, 5, 6]			
3520	8.5%	[0, 1, 4, 5, 3, 7, 12, 11, 6]	[0, 4, 1,
7, 3, 5, 11, 12, 6]			
3533	8.5%	[0, 1, 4, 5, 3, 8, 7, 12, 9]	[0, 4, 1,
8, 7, 3, 5, 12, 9]			
2501	8.5%	[0, 11, 12, 5, 8, 10, 9]	[0, 10,
8, 5, 11, 12, 9]			
3799	8.5%	[0, 1, 4, 5, 2, 3, 8, 7, 12, 6]	[0, 4, 1,
8, 7, 3, 2, 5, 12, 6]			
3918	8.5%	[0, 1, 4, 5, 3, 8, 7, 12, 9, 6]	[0, 4, 1,
8, 7, 3, 5, 12, 9, 6]			
3298	8.4%	[0, 11, 12, 5, 8, 10, 9, 6]	[0, 10,
8, 5, 11, 12, 9, 6]			
2628	8.4%	[0, 1, 3, 2, 11, 12, 7, 9]	[0, 1, 7,
3, 2, 11, 12, 9]			
2551	8.4%	[0, 4, 1, 3, 2, 12, 7, 9]	[0, 4, 1,
7, 3, 2, 12, 9]			
1655	8.4%	[0, 1, 3, 2, 12, 7, 9]	[0, 1, 7,
3, 2, 12, 9]			
3364	8.4%	[0, 4, 1, 3, 2, 11, 12, 7, 9]	[0, 4, 1,
7, 3, 2, 11, 12, 9]			
2303	8.4%	[0, 4, 5, 3, 7, 12, 6]	[0, 4, 7,
3, 5, 12, 6]			
1203	8.4%	[0, 11, 2, 3, 10, 9]	[0, 10,
9, 3, 2, 11]			
913	8.4%	[0, 3, 5, 4, 1, 6]	[0, 4, 1,
3, 5, 6]			
2783	8.4%	[0, 10, 4, 5, 3, 1, 7, 11]	[0, 10,
4, 1, 7, 3, 5, 11]			
3534	8.4%	[0, 10, 4, 5, 3, 1, 8, 7, 11]	[0, 10,
4, 1, 8, 7, 3, 5, 11]			
2631	8.4%	[0, 12, 2, 3, 1, 8, 10, 9]	[0, 10,
8, 1, 3, 2, 12, 9]			
1791	8.4%	[0, 12, 2, 1, 8, 10, 9]	[0, 10,
8, 1, 2, 12, 9]			
3414	8.4%	[0, 1, 3, 2, 11, 12, 7, 9, 6]	[0, 1, 7,
3, 2, 11, 12, 9, 6]			
3342	8.4%	[0, 4, 1, 3, 2, 12, 7, 9, 6]	[0, 4, 1,

7, 3, 2, 12, 9, 6]		
3839	8.4%	[0, 4, 1, 3, 2, 11, 12, 7, 9, 6]
7, 3, 2, 11, 12, 9, 6]		[0, 4, 1,
2606	8.4%	[0, 1, 3, 2, 12, 7, 9, 6]
3, 2, 12, 9, 6]		[0, 1, 7,
3921	8.4%	[0, 1, 4, 5, 3, 8, 7, 12, 11, 6]
8, 7, 3, 5, 11, 12, 6]		[0, 4, 1,
2088	8.4%	[0, 3, 2, 11, 7, 4, 9]
3, 2, 11, 9]		[0, 4, 7,
3027	8.4%	[0, 3, 2, 11, 7, 8, 4, 9]
7, 3, 2, 11, 9]		[0, 4, 8,
3712	8.4%	[0, 7, 11, 12, 2, 3, 10, 9, 6]
9, 6, 7, 3, 2, 11, 12]		[0, 10,
3083	8.4%	[0, 7, 12, 2, 3, 10, 9, 6]
9, 6, 7, 3, 2, 12]		[0, 10,
3707	8.4%	[0, 11, 12, 5, 2, 3, 8, 10, 9]
8, 3, 2, 5, 11, 12, 9]		[0, 10,
454	8.4%	[0, 8, 1, 11, 9]
11, 9]		[0, 1, 8,
2264	8.3%	[0, 8, 2, 5, 11, 7, 9]
11, 2, 5, 9]		[0, 8, 7,
2751	8.3%	[0, 12, 2, 1, 8, 10, 9, 6]
8, 1, 2, 12, 9, 6]		[0, 10,
3417	8.3%	[0, 12, 2, 3, 1, 8, 10, 9, 6]
8, 1, 3, 2, 12, 9, 6]		[0, 10,
910	8.3%	[0, 12, 2, 1, 10, 9]
1, 2, 12, 9]		[0, 10,
1666	8.3%	[0, 12, 2, 3, 1, 10, 9]
1, 3, 2, 12, 9]		[0, 10,
3011	8.3%	[0, 3, 2, 11, 7, 4, 9, 6]
3, 2, 11, 9, 6]		[0, 4, 7,
3667	8.3%	[0, 3, 2, 11, 7, 8, 4, 9, 6]
7, 3, 2, 11, 9, 6]		[0, 4, 8,
3321	8.3%	[0, 4, 1, 3, 2, 5, 11, 7, 9]
7, 3, 2, 5, 11, 9]		[0, 4, 1,
2585	8.3%	[0, 1, 3, 2, 5, 11, 7, 9]
3, 2, 5, 11, 9]		[0, 1, 7,
3994	8.3%	[0, 11, 12, 5, 2, 3, 8, 10, 9, 6]
8, 3, 2, 5, 11, 12, 9, 6]		[0, 10,
3184	8.3%	[0, 4, 5, 3, 8, 7, 12, 6]
7, 3, 5, 12, 6]		[0, 4, 8,
1099	8.3%	[0, 8, 1, 11, 9, 6]
11, 9, 6]		[0, 1, 8,
1550	8.3%	[0, 8, 5, 11, 7, 9]
11, 5, 9]		[0, 8, 7,
1455	8.3%	[0, 12, 3, 8, 10, 9]
8, 3, 12, 9]		[0, 10,
2765	8.3%	[0, 1, 4, 5, 3, 7, 12, 6]
7, 3, 5, 12, 6]		[0, 4, 1,
3085	8.3%	[0, 7, 11, 12, 2, 3, 10, 6]
6, 7, 3, 2, 11, 12]		[0, 10,
2146	8.3%	[0, 7, 12, 2, 3, 10, 6]
6, 7, 3, 2, 12]		[0, 10,
3934	8.3%	[0, 10, 4, 5, 3, 1, 8, 7, 11, 12]
4, 1, 8, 7, 3, 5, 11, 12]		[0, 10,
3540	8.3%	[0, 10, 4, 5, 3, 1, 7, 11, 12]
4, 1, 7, 3, 5, 11, 12]		[0, 10,

2106	8.3%	[0, 3, 2, 5, 11, 7, 6]	[0, 7, 3,
2, 5, 11, 6]			
2617	8.3%	[0, 12, 2, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 2, 12, 9, 6]			
1777	8.3%	[0, 12, 2, 1, 10, 9, 6]	[0, 10,
1, 2, 12, 9, 6]			
2963	8.3%	[0, 11, 12, 5, 1, 8, 10, 9]	[0, 10,
8, 1, 5, 11, 12, 9]			
3376	8.3%	[0, 1, 3, 2, 5, 11, 7, 9, 6]	[0, 1, 7,
3, 2, 5, 11, 9, 6]			
3801	8.3%	[0, 4, 1, 3, 2, 5, 11, 7, 9, 6]	[0, 4, 1,
7, 3, 2, 5, 11, 9, 6]			
1560	8.3%	[0, 12, 5, 8, 10, 9]	[0, 10,
8, 5, 12, 9]			
998	8.3%	[0, 4, 5, 8, 1, 6]	[0, 4, 1,
8, 5, 6]			
2415	8.3%	[0, 12, 3, 8, 10, 9, 6]	[0, 10,
8, 3, 12, 9, 6]			
982	8.3%	[0, 1, 3, 11, 7, 9]	[0, 1, 7,
3, 11, 9]			
1836	8.3%	[0, 4, 1, 3, 11, 7, 9]	[0, 4, 1,
7, 3, 11, 9]			
2777	8.3%	[0, 10, 8, 7, 1, 4, 5, 3]	[0, 10,
4, 1, 8, 7, 3, 5]			
3628	8.2%	[0, 11, 12, 5, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 5, 11, 12, 9, 6]			
1670	8.2%	[0, 4, 5, 2, 8, 1, 6]	[0, 4, 1,
8, 2, 5, 6]			
951	8.2%	[0, 1, 5, 3, 7, 12]	[0, 1, 7,
3, 5, 12]			
3683	8.2%	[0, 3, 2, 11, 12, 7, 8, 4, 9]	[0, 4, 8,
7, 3, 2, 11, 12, 9]			
3034	8.2%	[0, 3, 2, 11, 12, 7, 4, 9]	[0, 4, 7,
3, 2, 11, 12, 9]			
2089	8.2%	[0, 3, 2, 12, 7, 4, 9]	[0, 4, 7,
3, 2, 12, 9]			
3028	8.2%	[0, 3, 2, 12, 7, 8, 4, 9]	[0, 4, 8,
7, 3, 2, 12, 9]			
2492	8.2%	[0, 12, 5, 8, 10, 9, 6]	[0, 10,
8, 5, 12, 9, 6]			
2025	8.2%	[0, 12, 11, 5, 1, 10, 9]	[0, 10,
1, 5, 11, 12, 9]			
435	8.2%	[0, 8, 1, 11, 6]	[0, 1, 8,
11, 6]			
789	8.2%	[0, 12, 8, 10, 9]	[0, 10,
8, 12, 9]			
3357	8.2%	[0, 3, 2, 11, 7, 8, 1, 4, 9]	[0, 4, 1,
8, 7, 3, 2, 11, 9]			
455	8.2%	[0, 8, 1, 12, 9]	[0, 1, 8,
12, 9]			
1120	8.2%	[0, 8, 1, 12, 11, 9]	[0, 1, 8,
11, 12, 9]			
2801	8.2%	[0, 4, 1, 3, 11, 7, 9, 6]	[0, 4, 1,
7, 3, 11, 9, 6]			
1891	8.2%	[0, 1, 3, 11, 7, 9, 6]	[0, 1, 7,
3, 11, 9, 6]			
3170	8.2%	[0, 8, 2, 5, 11, 12, 7, 9]	[0, 8, 7,

11, 12, 2, 5, 9]		
2726	8.2%	[0, 1, 8, 2, 5, 11, 7, 9]
7, 11, 2, 5, 9]		[0, 1, 8,
2957	8.2%	[0, 12, 11, 5, 1, 10, 9, 6]
1, 5, 11, 12, 9, 6]		[0, 10,
2134	8.2%	[0, 11, 5, 2, 3, 10, 9]
9, 3, 2, 5, 11]		[0, 10,
3399	8.2%	[0, 1, 3, 2, 5, 11, 12, 7, 9]
3, 2, 5, 11, 12, 9]		[0, 1, 7,
3824	8.2%	[0, 4, 1, 3, 2, 5, 11, 12, 7, 9]
7, 3, 2, 5, 11, 12, 9]		[0, 4, 1,
3674	8.2%	[0, 3, 2, 11, 12, 7, 4, 9, 6]
3, 2, 11, 12, 9, 6]		[0, 4, 7,
3984	8.2%	[0, 3, 2, 11, 12, 7, 8, 4, 9, 6]
7, 3, 2, 11, 12, 9, 6]		[0, 4, 8,
3012	8.2%	[0, 3, 2, 12, 7, 4, 9, 6]
3, 2, 12, 9, 6]		[0, 4, 7,
3668	8.2%	[0, 3, 2, 12, 7, 8, 4, 9, 6]
7, 3, 2, 12, 9, 6]		[0, 4, 8,
2515	8.2%	[0, 1, 7, 8, 4, 5, 2, 3]
8, 7, 3, 2, 5]		[0, 4, 1,
1586	8.2%	[0, 1, 7, 4, 5, 2, 3]
7, 3, 2, 5]		[0, 4, 1,
1575	8.2%	[0, 12, 8, 10, 9, 6]
8, 12, 9, 6]		[0, 10,
3514	8.2%	[0, 1, 4, 5, 3, 8, 7, 12, 6]
8, 7, 3, 5, 12, 6]		[0, 4, 1,
3832	8.2%	[0, 3, 2, 11, 7, 8, 1, 4, 9, 6]
8, 7, 3, 2, 11, 9, 6]		[0, 4, 1,
1100	8.2%	[0, 8, 1, 12, 9, 6]
12, 9, 6]		[0, 1, 8,
2038	8.2%	[0, 8, 1, 12, 11, 9, 6]
11, 12, 9, 6]		[0, 1, 8,
3872	8.2%	[0, 11, 12, 5, 2, 3, 1, 8, 10, 9]
8, 1, 3, 2, 5, 11, 12, 9]		[0, 10,
2012	8.1%	[0, 1, 8, 5, 11, 7, 9]
7, 11, 5, 9]		[0, 1, 8,
3072	8.1%	[0, 12, 5, 2, 3, 8, 10, 9]
8, 3, 2, 5, 12, 9]		[0, 10,
4024	8.1%	[0, 4, 1, 3, 2, 5, 11, 12, 7, 9, 6]
7, 3, 2, 5, 11, 12, 9, 6]		[0, 4, 1,
3860	8.1%	[0, 1, 3, 2, 5, 11, 12, 7, 9, 6]
3, 2, 5, 11, 12, 9, 6]		[0, 1, 7,
3993	8.1%	[0, 7, 12, 11, 5, 2, 3, 10, 9, 6]
9, 6, 7, 3, 2, 5, 11, 12]		[0, 10,
2265	8.1%	[0, 8, 5, 2, 12, 7, 9]
12, 2, 5, 9]		[0, 8, 7,
663	8.1%	[0, 11, 3, 10, 9]
9, 3, 11]		[0, 10,
915	8.1%	[0, 1, 8, 4, 5, 3]
8, 3, 5]		[0, 4, 1,
1374	8.1%	[0, 3, 7, 11, 4, 9]
3, 11, 9]		[0, 4, 7,
983	8.1%	[0, 1, 3, 12, 7, 9]
3, 12, 9]		[0, 1, 7,
1914	8.1%	[0, 1, 3, 12, 11, 7, 9]
3, 11, 12, 9]		[0, 1, 7,

1837	8.1%	[0, 4, 1, 3, 12, 7, 9]	[0, 4, 1,
7, 3, 12, 9]			
2824	8.1%	[0, 4, 1, 3, 11, 12, 7, 9]	[0, 4, 1,
7, 3, 11, 12, 9]			
4049	8.1%	[0, 11, 12, 5, 2, 3, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 3, 2, 5, 11, 12, 9, 6]			
2991	8.1%	[0, 3, 2, 5, 11, 7, 4, 9]	[0, 4, 7,
3, 2, 5, 11, 9]			
3652	8.1%	[0, 3, 2, 5, 11, 7, 8, 4, 9]	[0, 4, 8,
7, 3, 2, 5, 11, 9]			
3698	8.1%	[0, 12, 5, 2, 3, 8, 10, 9, 6]	[0, 10,
8, 3, 2, 5, 12, 9, 6]			
1917	8.1%	[0, 12, 3, 1, 8, 10, 9]	[0, 10,
8, 1, 3, 12, 9]			
3405	8.1%	[0, 11, 12, 5, 2, 3, 1, 10, 9]	[0, 10,
1, 3, 2, 5, 11, 12, 9]			
2510	8.1%	[0, 4, 5, 2, 3, 8, 1, 6]	[0, 4, 1,
8, 3, 2, 5, 6]			
2022	8.1%	[0, 12, 5, 1, 8, 10, 9]	[0, 10,
8, 1, 5, 12, 9]			
2411	8.1%	[0, 7, 12, 3, 10, 9, 6]	[0, 10,
9, 6, 7, 3, 12]			
2339	8.1%	[0, 3, 7, 11, 4, 9, 6]	[0, 4, 7,
3, 11, 9, 6]			
3554	8.1%	[0, 4, 1, 3, 11, 12, 7, 9, 6]	[0, 4, 1,
7, 3, 11, 12, 9, 6]			
1892	8.1%	[0, 1, 3, 12, 7, 9, 6]	[0, 1, 7,
3, 12, 9, 6]			
2874	8.1%	[0, 1, 3, 12, 11, 7, 9, 6]	[0, 1, 7,
3, 11, 12, 9, 6]			
2802	8.1%	[0, 4, 1, 3, 12, 7, 9, 6]	[0, 4, 1,
7, 3, 12, 9, 6]			
3358	8.1%	[0, 3, 2, 12, 7, 8, 1, 4, 9]	[0, 4, 1,
8, 7, 3, 2, 12, 9]			
3848	8.1%	[0, 3, 2, 11, 12, 7, 8, 1, 4, 9]	[0, 4, 1,
8, 7, 3, 2, 11, 12, 9]			
3636	8.1%	[0, 3, 2, 5, 11, 7, 4, 9, 6]	[0, 4, 7,
3, 2, 5, 11, 9, 6]			
3962	8.1%	[0, 3, 2, 5, 11, 7, 8, 4, 9, 6]	[0, 4, 8,
7, 3, 2, 5, 11, 9, 6]			
726	8.1%	[0, 5, 11, 7, 6]	[0, 7, 1
1, 5, 6]			
2877	8.0%	[0, 12, 3, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 3, 12, 9, 6]			
3866	8.0%	[0, 11, 12, 5, 2, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 2, 5, 11, 12, 9, 6]			
3696	8.0%	[0, 7, 12, 11, 5, 2, 3, 10, 6]	[0, 10,
6, 7, 3, 2, 5, 11, 12]			
3500	8.0%	[0, 1, 8, 2, 5, 11, 12, 7, 9]	[0, 1, 8,
7, 11, 12, 2, 5, 9]			
3257	8.0%	[0, 11, 12, 5, 3, 8, 10, 9]	[0, 10,
8, 3, 5, 11, 12, 9]			
2355	8.0%	[0, 3, 11, 7, 8, 4, 9]	[0, 4, 8,
7, 3, 11, 9]			
1445	8.0%	[0, 3, 8, 7, 11, 9]	[0, 8, 7,
3, 11, 9]			
994	8.0%	[0, 12, 3, 1, 10, 9]	[0, 10,

1, 3, 12, 9]		
1266	8.0%	[0, 5, 2, 11, 7, 6]
1, 2, 5, 6]		[0, 7, 1
2954	8.0%	[0, 12, 5, 1, 8, 10, 9, 6]
8, 1, 5, 12, 9, 6]		[0, 10,
3833	8.0%	[0, 3, 2, 12, 7, 8, 1, 4, 9, 6]
8, 7, 3, 2, 12, 9, 6]		[0, 4, 1,
4039	8.0%	[0, 3, 2, 11, 12, 7, 8, 1, 4, 9, 6]
8, 7, 3, 2, 11, 12, 9, 6]		[0, 4, 1,
1085	8.0%	[0, 12, 5, 1, 10, 9]
1, 5, 12, 9]		[0, 10,
3784	8.0%	[0, 11, 12, 5, 3, 8, 10, 9, 6]
8, 3, 5, 11, 12, 9, 6]		[0, 10,
1903	8.0%	[0, 12, 3, 1, 10, 9, 6]
1, 3, 12, 9, 6]		[0, 10,
1432	8.0%	[0, 7, 12, 3, 10, 6]
6, 7, 3, 12]		[0, 10,
3217	8.0%	[0, 3, 11, 7, 8, 4, 9, 6]
7, 3, 11, 9, 6]		[0, 4, 8,
2405	8.0%	[0, 3, 8, 7, 11, 9, 6]
3, 11, 9, 6]		[0, 8, 7,
2781	8.0%	[0, 4, 1, 3, 5, 11, 7, 9]
7, 3, 5, 11, 9]		[0, 4, 1,
1871	8.0%	[0, 1, 3, 5, 11, 7, 9]
3, 5, 11, 9]		[0, 1, 7,
2727	8.0%	[0, 1, 8, 5, 2, 12, 7, 9]
7, 12, 2, 5, 9]		[0, 1, 8,
2362	8.0%	[0, 3, 7, 11, 12, 4, 9]
3, 11, 12, 9]		[0, 4, 7,
1375	8.0%	[0, 3, 7, 12, 4, 9]
3, 12, 9]		[0, 4, 7,
2008	8.0%	[0, 12, 5, 1, 10, 9, 6]
1, 5, 12, 9, 6]		[0, 10,
3659	8.0%	[0, 3, 2, 5, 11, 12, 7, 4, 9]
3, 2, 5, 11, 12, 9]		[0, 4, 7,
3978	8.0%	[0, 3, 2, 5, 11, 12, 7, 8, 4, 9]
7, 3, 2, 5, 11, 12, 9]		[0, 4, 8,
1315	8.0%	[0, 2, 12, 10, 9, 6]
9, 6, 12, 2]		[0, 10,
1869	7.9%	[0, 1, 5, 3, 8, 7, 12]
7, 3, 5, 12]		[0, 1, 8,
3817	7.9%	[0, 3, 2, 5, 11, 7, 8, 1, 4, 9]
8, 7, 3, 2, 5, 11, 9]		[0, 4, 1,
1392	7.9%	[0, 3, 5, 11, 7, 6]
5, 11, 6]		[0, 7, 3,
3402	7.9%	[0, 12, 5, 2, 3, 1, 8, 10, 9]
8, 1, 3, 2, 5, 12, 9]		[0, 10,
2586	7.9%	[0, 1, 3, 2, 5, 12, 7, 9]
3, 2, 5, 12, 9]		[0, 1, 7,
3516	7.9%	[0, 4, 1, 3, 5, 11, 7, 9, 6]
7, 3, 5, 11, 9, 6]		[0, 4, 1,
2836	7.9%	[0, 1, 3, 5, 11, 7, 9, 6]
3, 5, 11, 9, 6]		[0, 1, 7,
2340	7.9%	[0, 3, 7, 12, 4, 9, 6]
3, 12, 9, 6]		[0, 4, 7,
3224	7.9%	[0, 3, 7, 11, 12, 4, 9, 6]
3, 11, 12, 9, 6]		[0, 4, 7,

1551	7.9%	[0, 8, 5, 12, 7, 9]	[0, 8, 7,
		12, 5, 9]	
4073	7.9%	[0, 3, 2, 5, 11, 12, 7, 8, 4, 9, 6]	[0, 4, 8,
		7, 3, 2, 5, 11, 12, 9, 6]	
3969	7.9%	[0, 3, 2, 5, 11, 12, 7, 4, 9, 6]	[0, 4, 7,
		3, 2, 5, 11, 12, 9, 6]	
3694	7.9%	[0, 7, 12, 5, 2, 3, 10, 9, 6]	[0, 10,
		9, 6, 7, 3, 2, 5, 12]	
1426	7.9%	[0, 3, 8, 7, 11, 6]	[0, 8, 7,
		3, 11, 6]	
3863	7.9%	[0, 12, 5, 2, 3, 1, 8, 10, 9, 6]	[0, 10,
		8, 1, 3, 2, 5, 12, 9, 6]	
4017	7.9%	[0, 3, 2, 5, 11, 7, 8, 1, 4, 9, 6]	[0, 4, 1,
		8, 7, 3, 2, 5, 11, 9, 6]	
3377	7.9%	[0, 1, 3, 2, 5, 12, 7, 9, 6]	[0, 1, 7,
		3, 2, 5, 12, 9, 6]	
2356	7.9%	[0, 3, 12, 7, 8, 4, 9]	[0, 4, 8,
		7, 3, 12, 9]	
3233	7.9%	[0, 3, 12, 11, 7, 8, 4, 9]	[0, 4, 8,
		7, 3, 11, 12, 9]	
2421	7.9%	[0, 3, 8, 7, 11, 12, 9]	[0, 8, 7,
		3, 11, 12, 9]	
1446	7.9%	[0, 3, 8, 7, 12, 9]	[0, 8, 7,
		3, 12, 9]	
2597	7.9%	[0, 12, 5, 2, 3, 1, 10, 9]	[0, 10,
		1, 3, 2, 5, 12, 9]	
2252	7.9%	[0, 5, 2, 11, 12, 7, 6]	[0, 7, 1
		1, 12, 2, 5, 6]	
1267	7.9%	[0, 5, 2, 12, 7, 6]	[0, 7, 1
		2, 2, 5, 6]	
668	7.9%	[0, 4, 5, 8, 6]	[0, 4, 8,
		5, 6]	
2817	7.9%	[0, 3, 11, 7, 8, 1, 4, 9]	[0, 4, 1,
		8, 7, 3, 11, 9]	
561	7.9%	[0, 2, 12, 10, 6]	[0, 10,
		6, 12, 2]	
2658	7.9%	[0, 10, 4, 5, 2, 1, 7, 12]	[0, 10,
		4, 1, 7, 12, 2, 5]	
3456	7.9%	[0, 10, 4, 5, 2, 1, 7, 11, 12]	[0, 10,
		4, 1, 7, 11, 12, 2, 5]	
1420	7.9%	[0, 11, 5, 3, 10, 9]	[0, 10,
		9, 3, 5, 11]	
3297	7.9%	[0, 5, 11, 12, 7, 10, 9, 6]	[0, 10,
		9, 6, 7, 11, 12, 5]	
1208	7.9%	[0, 4, 5, 2, 8, 6]	[0, 4, 8,
		2, 5, 6]	
3774	7.8%	[0, 3, 12, 11, 7, 8, 4, 9, 6]	[0, 4, 8,
		7, 3, 11, 12, 9, 6]	
3218	7.8%	[0, 3, 12, 7, 8, 4, 9, 6]	[0, 4, 8,
		7, 3, 12, 9, 6]	
2406	7.8%	[0, 3, 8, 7, 12, 9, 6]	[0, 8, 7,
		3, 12, 9, 6]	
3260	7.8%	[0, 3, 8, 7, 11, 12, 9, 6]	[0, 8, 7,
		3, 11, 12, 9, 6]	
436	7.8%	[0, 8, 1, 12, 6]	[0, 1, 8,
		12, 6]	
3388	7.8%	[0, 12, 5, 2, 3, 1, 10, 9, 6]	[0, 10,

1, 3, 2, 5, 12, 9, 6]		
3587	7.8%	[0, 11, 12, 5, 3, 1, 8, 10, 9]
8, 1, 3, 5, 11, 12, 9]		
3049	7.8%	[0, 7, 12, 5, 2, 3, 10, 6]
6, 7, 3, 2, 5, 12]		
3547	7.8%	[0, 3, 11, 7, 8, 1, 4, 9, 6]
8, 7, 3, 11, 9, 6]		
2400	7.8%	[0, 12, 5, 3, 8, 10, 9]
8, 3, 5, 12, 9]		
3539	7.8%	[0, 4, 1, 3, 5, 11, 12, 7, 9]
7, 3, 5, 11, 12, 9]		
2859	7.8%	[0, 1, 3, 5, 11, 12, 7, 9]
3, 5, 11, 12, 9]		
3783	7.8%	[0, 7, 12, 11, 5, 3, 10, 9, 6]
9, 6, 7, 3, 5, 11, 12]		
4033	7.8%	[0, 3, 2, 5, 11, 12, 7, 8, 1, 4, 9]
8, 7, 3, 2, 5, 11, 12, 9]		
3949	7.8%	[0, 11, 12, 5, 3, 1, 8, 10, 9, 6]
8, 1, 3, 5, 11, 12, 9, 6]		
675	7.8%	[0, 10, 7, 4, 5]
4, 7, 5]		
3248	7.8%	[0, 12, 5, 3, 8, 10, 9, 6]
8, 3, 5, 12, 9, 6]		
2865	7.8%	[0, 11, 12, 5, 3, 1, 10, 9]
1, 3, 5, 11, 12, 9]		
3924	7.8%	[0, 4, 1, 3, 5, 11, 12, 7, 9, 6]
7, 3, 5, 11, 12, 9, 6]		
3575	7.8%	[0, 1, 3, 5, 11, 12, 7, 9, 6]
3, 5, 11, 12, 9, 6]		
2490	7.8%	[0, 5, 11, 12, 7, 10, 6]
6, 7, 11, 12, 5]		
2013	7.8%	[0, 1, 8, 5, 12, 7, 9]
7, 12, 5, 9]		
4084	7.8%	[0, 3, 2, 5, 11, 12, 7, 8, 1, 4, 9, 6]
8, 7, 3, 2, 5, 11, 12, 9, 6]		
2319	7.8%	[0, 3, 5, 11, 7, 4, 9]
3, 5, 11, 9]		
3202	7.8%	[0, 3, 5, 11, 7, 8, 4, 9]
7, 3, 5, 11, 9]		
3581	7.8%	[0, 11, 12, 5, 3, 1, 10, 9, 6]
1, 3, 5, 11, 12, 9, 6]		
3563	7.7%	[0, 3, 11, 12, 7, 8, 1, 4, 9]
8, 7, 3, 11, 12, 9]		
2818	7.7%	[0, 3, 12, 7, 8, 1, 4, 9]
8, 7, 3, 12, 9]		
3246	7.7%	[0, 7, 12, 11, 5, 3, 10, 6]
6, 7, 3, 5, 11, 12]		
3752	7.7%	[0, 3, 5, 11, 7, 8, 4, 9, 6]
7, 3, 5, 11, 9, 6]		
3186	7.7%	[0, 3, 5, 11, 7, 4, 9, 6]
3, 5, 11, 9, 6]		
2048	7.7%	[0, 4, 5, 2, 3, 8, 6]
3, 2, 5, 6]		
3548	7.7%	[0, 3, 12, 7, 8, 1, 4, 9, 6]
8, 7, 3, 12, 9, 6]		
3939	7.7%	[0, 3, 11, 12, 7, 8, 1, 4, 9, 6]
8, 7, 3, 11, 12, 9, 6]		

727	7.7%	[0, 5, 12, 7, 6]	[0, 7, 1
2, 5, 6]			
1796	7.7%	[0, 4, 5, 3, 8, 1, 6]	[0, 4, 1,
8, 3, 5, 6]			
2862	7.6%	[0, 12, 5, 3, 1, 8, 10, 9]	[0, 10,
8, 1, 3, 5, 12, 9]			
651	7.6%	[0, 7, 3, 10, 9]	[0, 10,
9, 7, 3]			
3768	7.6%	[0, 3, 5, 11, 12, 7, 8, 4, 9]	[0, 4, 8,
7, 3, 5, 11, 12, 9]			
3209	7.6%	[0, 3, 5, 11, 12, 7, 4, 9]	[0, 4, 7,
3, 5, 11, 12, 9]			
1872	7.6%	[0, 1, 3, 5, 12, 7, 9]	[0, 1, 7,
3, 5, 12, 9]			
3244	7.6%	[0, 7, 12, 5, 3, 10, 9, 6]	[0, 10,
9, 6, 7, 3, 5, 12]			
3578	7.6%	[0, 12, 5, 3, 1, 8, 10, 9, 6]	[0, 10,
8, 1, 3, 5, 12, 9, 6]			
3532	7.6%	[0, 3, 5, 11, 7, 8, 1, 4, 9]	[0, 4, 1,
8, 7, 3, 5, 11, 9]			
1883	7.6%	[0, 12, 5, 3, 1, 10, 9]	[0, 10,
1, 3, 5, 12, 9]			
383	7.6%	[0, 10, 1, 4, 5]	[0, 10,
4, 1, 5]			
4008	7.6%	[0, 3, 5, 11, 12, 7, 8, 4, 9, 6]	[0, 4, 8,
7, 3, 5, 11, 12, 9, 6]			
3759	7.6%	[0, 3, 5, 11, 12, 7, 4, 9, 6]	[0, 4, 7,
3, 5, 11, 12, 9, 6]			
2837	7.6%	[0, 1, 3, 5, 12, 7, 9, 6]	[0, 1, 7,
3, 5, 12, 9, 6]			
3917	7.6%	[0, 3, 5, 11, 7, 8, 1, 4, 9, 6]	[0, 4, 1,
8, 7, 3, 5, 11, 9, 6]			
2848	7.6%	[0, 12, 5, 3, 1, 10, 9, 6]	[0, 10,
1, 3, 5, 12, 9, 6]			
489	7.6%	[0, 3, 2, 8, 9]	[0, 8, 3,
2, 9]			
632	7.5%	[0, 3, 8, 7, 6]	[0, 8, 7,
3, 6]			
2377	7.5%	[0, 7, 12, 5, 3, 10, 6]	[0, 10,
6, 7, 3, 5, 12]			
1427	7.5%	[0, 3, 8, 7, 12, 6]	[0, 8, 7,
3, 12, 6]			
2172	7.5%	[0, 11, 12, 2, 3, 10, 9]	[0, 10,
9, 3, 2, 11, 12]			
1177	7.5%	[0, 3, 2, 8, 9, 6]	[0, 8, 3,
2, 9, 6]			
404	7.5%	[0, 10, 1, 4, 11]	[0, 10,
4, 1, 11]			
3933	7.5%	[0, 3, 5, 11, 12, 7, 8, 1, 4, 9]	[0, 4, 1,
8, 7, 3, 5, 11, 12, 9]			
1339	7.5%	[0, 8, 7, 4, 5, 3]	[0, 4, 8,
7, 3, 5]			
1819	7.5%	[0, 4, 1, 3, 7, 11, 6]	[0, 4, 1,
7, 3, 11, 6]			
965	7.5%	[0, 1, 3, 7, 11, 6]	[0, 1, 7,
3, 11, 6]			
4063	7.4%	[0, 3, 5, 11, 12, 7, 8, 1, 4, 9, 6]	[0, 4, 1,

8, 7, 3, 5, 11, 12, 9, 6]		
1907 7.4%	[0, 1, 3, 8, 7, 11, 9]	[0, 1, 8,
7, 3, 11, 9]		
1638 7.4%	[0, 1, 3, 2, 12, 7, 6]	[0, 1, 7,
3, 2, 12, 6]		
2534 7.4%	[0, 4, 1, 3, 2, 12, 7, 6]	[0, 4, 1,
7, 3, 2, 12, 6]		
2609 7.4%	[0, 1, 3, 2, 11, 12, 7, 6]	[0, 1, 7,
3, 2, 11, 12, 6]		
3345 7.4%	[0, 4, 1, 3, 2, 11, 12, 7, 6]	[0, 4, 1,
7, 3, 2, 11, 12, 6]		
2867 7.4%	[0, 1, 3, 8, 7, 11, 9, 6]	[0, 1, 8,
7, 3, 11, 9, 6]		
1052 7.4%	[0, 10, 1, 4, 11, 12]	[0, 10,
4, 1, 11, 12]		
405 7.4%	[0, 10, 1, 4, 12]	[0, 10,
4, 1, 12]		
1687 7.3%	[0, 10, 1, 4, 5, 2, 11]	[0, 10,
4, 1, 2, 5, 11]		
2798 7.3%	[0, 4, 1, 3, 8, 7, 11, 6]	[0, 4, 1,
8, 7, 3, 11, 6]		
1888 7.3%	[0, 1, 3, 8, 7, 11, 6]	[0, 1, 8,
7, 3, 11, 6]		
1908 7.3%	[0, 1, 3, 8, 7, 12, 9]	[0, 1, 8,
7, 3, 12, 9]		
2883 7.3%	[0, 1, 3, 8, 7, 11, 12, 9]	[0, 1, 8,
7, 3, 11, 12, 9]		
1754 7.3%	[0, 10, 8, 1, 5, 2, 12]	[0, 10,
8, 1, 2, 5, 12]		
1334 7.3%	[0, 4, 5, 3, 8, 6]	[0, 4, 8,
3, 5, 6]		
2868 7.3%	[0, 1, 3, 8, 7, 12, 9, 6]	[0, 1, 8,
7, 3, 12, 9, 6]		
3590 7.3%	[0, 1, 3, 8, 7, 11, 12, 9, 6]	[0, 1, 8,
7, 3, 11, 12, 9, 6]		
1458 7.2%	[0, 11, 12, 3, 10, 9]	[0, 10,
9, 3, 11, 12]		
1450 7.2%	[0, 11, 7, 3, 10, 9]	[0, 10,
9, 7, 3, 11]		
2669 7.2%	[0, 10, 1, 4, 5, 2, 11, 12]	[0, 10,
4, 1, 2, 5, 11, 12]		
833 7.2%	[0, 10, 1, 4, 5, 2]	[0, 10,
4, 1, 2, 5]		
876 7.2%	[0, 10, 1, 5, 2, 12]	[0, 10,
1, 2, 5, 12]		
2200 7.2%	[0, 8, 4, 5, 2, 12, 9]	[0, 4, 8,
2, 5, 12, 9]		
3380 7.2%	[0, 1, 3, 2, 5, 11, 12, 7, 6]	[0, 1, 7,
3, 2, 5, 11, 12, 6]		
3109 7.1%	[0, 8, 4, 5, 2, 12, 9, 6]	[0, 4, 8,
2, 5, 12, 9, 6]		
966 7.1%	[0, 1, 3, 7, 12, 6]	[0, 1, 7,
3, 12, 6]		
1820 7.1%	[0, 4, 1, 3, 7, 12, 6]	[0, 4, 1,
7, 3, 12, 6]		
3112 7.1%	[0, 8, 4, 5, 2, 12, 11, 6]	[0, 4, 8,
2, 5, 11, 12, 6]		

2662	7.1%	[0, 1, 8, 4, 5, 2, 12, 9]	[0, 4, 1,
8, 2, 5, 12, 9]			
3154	7.0%	[0, 8, 2, 5, 11, 7, 9, 6]	[0, 8, 7,
11, 2, 5, 6, 9]			
3439	7.0%	[0, 1, 8, 4, 5, 2, 12, 9, 6]	[0, 4, 1,
8, 2, 5, 12, 9, 6]			
1801	7.0%	[0, 1, 7, 8, 4, 5, 3]	[0, 4, 1,
8, 7, 3, 5]			
914	7.0%	[0, 1, 7, 4, 5, 3]	[0, 4, 1,
7, 3, 5]			
2729	7.0%	[0, 10, 8, 7, 1, 5, 2, 12]	[0, 10,
8, 7, 1, 2, 5, 12]			
1889	7.0%	[0, 1, 3, 8, 7, 12, 6]	[0, 1, 8,
7, 3, 12, 6]			
2799	7.0%	[0, 4, 1, 3, 8, 7, 12, 6]	[0, 4, 1,
8, 7, 3, 12, 6]			
2569	7.0%	[0, 1, 3, 2, 5, 12, 7, 6]	[0, 1, 7,
3, 2, 5, 12, 6]			
2482	7.0%	[0, 8, 5, 11, 7, 9, 6]	[0, 8, 7,
11, 5, 6, 9]			
358	7.0%	[0, 1, 3, 7, 6]	[0, 1, 7,
3, 6]			
920	7.0%	[0, 4, 1, 3, 7, 6]	[0, 4, 1,
7, 3, 6]			
3442	6.9%	[0, 1, 8, 4, 5, 2, 12, 11, 6]	[0, 4, 1,
8, 2, 5, 11, 12, 6]			
3745	6.9%	[0, 8, 2, 5, 11, 12, 7, 9, 6]	[0, 8, 7,
11, 12, 2, 5, 6, 9]			
3484	6.9%	[0, 1, 8, 2, 5, 11, 7, 9, 6]	[0, 1, 8,
7, 11, 2, 5, 6, 9]			
2840	6.9%	[0, 1, 3, 5, 11, 12, 7, 6]	[0, 1, 7,
3, 5, 11, 12, 6]			
2181	6.9%	[0, 8, 4, 5, 2, 12, 6]	[0, 4, 8,
2, 5, 12, 6]			
2944	6.8%	[0, 1, 8, 5, 11, 7, 9, 6]	[0, 1, 8,
7, 11, 5, 6, 9]			
3155	6.8%	[0, 8, 5, 2, 12, 7, 9, 6]	[0, 8, 7,
12, 2, 5, 6, 9]			
819	6.8%	[0, 1, 3, 2, 8, 9]	[0, 1, 8,
3, 2, 9]			
402	6.8%	[0, 1, 4, 11, 9]	[0, 4, 1,
11, 9]			
566	6.8%	[0, 2, 8, 7, 12]	[0, 8, 7,
12, 2]			
1323	6.8%	[0, 2, 8, 7, 11, 12]	[0, 8, 7,
11, 12, 2]			
962	6.8%	[0, 1, 3, 8, 7, 6]	[0, 1, 8,
7, 3, 6]			
1816	6.8%	[0, 4, 1, 3, 8, 7, 6]	[0, 4, 1,
8, 7, 3, 6]			
3910	6.8%	[0, 1, 8, 2, 5, 11, 12, 7, 9, 6]	[0, 1, 8,
7, 11, 12, 2, 5, 6, 9]			
1685	6.8%	[0, 1, 4, 5, 2, 11, 9]	[0, 4, 1,
2, 5, 11, 9]			
1028	6.8%	[0, 1, 4, 11, 9, 6]	[0, 4, 1,
11, 9, 6]			
1639	6.8%	[0, 1, 3, 2, 8, 9, 6]	[0, 1, 8,

3, 2, 9, 6]		
2643	6.7%	[0, 1, 8, 4, 5, 2, 12, 6]
8, 2, 5, 12, 6]		[0, 4, 1,
2645	6.7%	[0, 1, 4, 5, 2, 11, 9, 6]
2, 5, 11, 9, 6]		[0, 4, 1,
1855	6.7%	[0, 1, 3, 5, 12, 7, 6]
3, 5, 12, 6]		[0, 1, 7,
541	6.7%	[0, 8, 5, 2, 12]
5, 12]		[0, 8, 2,
3485	6.7%	[0, 1, 8, 5, 2, 12, 7, 9, 6]
7, 12, 2, 5, 6, 9]		[0, 1, 8,
2588	6.7%	[0, 10, 1, 5, 2, 3, 7, 12]
1, 7, 3, 2, 5, 12]		[0, 10,
390	6.7%	[0, 1, 4, 11, 6]
11, 6]		[0, 4, 1,
1051	6.7%	[0, 1, 4, 11, 12, 9]
11, 12, 9]		[0, 4, 1,
403	6.7%	[0, 1, 4, 12, 9]
12, 9]		[0, 4, 1,
2483	6.7%	[0, 8, 5, 12, 7, 9, 6]
12, 5, 6, 9]		[0, 8, 7,
1673	6.6%	[0, 1, 4, 5, 2, 11, 6]
2, 5, 11, 6]		[0, 4, 1,
2668	6.6%	[0, 1, 4, 5, 2, 12, 11, 9]
2, 5, 11, 12, 9]		[0, 4, 1,
1974	6.6%	[0, 1, 4, 11, 12, 9, 6]
11, 12, 9, 6]		[0, 4, 1,
1029	6.6%	[0, 1, 4, 12, 9, 6]
12, 9, 6]		[0, 4, 1,
3445	6.6%	[0, 1, 4, 5, 2, 12, 11, 9, 6]
2, 5, 11, 12, 9, 6]		[0, 4, 1,
2000	6.6%	[0, 1, 5, 11, 12, 7, 6]
11, 12, 5, 6]		[0, 1, 7,
2657	6.6%	[0, 10, 4, 5, 2, 1, 7, 11]
4, 1, 7, 11, 2, 5]		[0, 10,
2142	6.6%	[0, 2, 3, 7, 10, 9, 6]
9, 6, 7, 3, 2]		[0, 10,
486	6.6%	[0, 10, 7, 3, 2]
3, 2, 7]		[0, 10,
2945	6.5%	[0, 1, 8, 5, 12, 7, 9, 6]
7, 12, 5, 6, 9]		[0, 1, 8,
2268	6.5%	[0, 5, 2, 8, 7, 11, 12]
11, 12, 2, 5]		[0, 8, 7,
1281	6.5%	[0, 5, 2, 8, 7, 12]
12, 2, 5]		[0, 8, 7,
1563	6.5%	[0, 5, 11, 12, 10, 9]
9, 11, 12, 5]		[0, 10,
2889	6.5%	[0, 4, 5, 11, 7, 8, 1, 6]
8, 7, 11, 5, 6]		[0, 4, 1,
3429	6.5%	[0, 4, 5, 2, 11, 7, 8, 1, 6]
8, 7, 11, 2, 5, 6]		[0, 4, 1,
1174	6.5%	[0, 2, 3, 7, 10, 6]
6, 7, 3, 2]		[0, 10,
2974	6.5%	[0, 4, 5, 2, 3, 7, 11, 6]
3, 2, 5, 11, 6]		[0, 4, 7,
871	6.4%	[0, 1, 8, 5, 2, 12]
2, 5, 12]		[0, 1, 8,

3045	6.4%	[0, 5, 2, 3, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 3, 2, 5]			
2159	6.4%	[0, 8, 3, 2, 11, 7, 9]	[0, 8, 7,
3, 2, 11, 9]			
3430	6.4%	[0, 4, 5, 2, 12, 7, 8, 1, 6]	[0, 4, 1,
8, 7, 12, 2, 5, 6]			
3885	6.4%	[0, 4, 5, 2, 11, 12, 7, 8, 1, 6]	[0, 4, 1,
8, 7, 11, 12, 2, 5, 6]			
3077	6.4%	[0, 8, 3, 2, 11, 7, 9, 6]	[0, 8, 7,
3, 2, 11, 9, 6]			
2105	6.4%	[0, 5, 2, 3, 7, 10, 6]	[0, 10,
6, 7, 3, 2, 5]			
3304	6.3%	[0, 1, 4, 5, 2, 3, 7, 11, 6]	[0, 4, 1,
7, 3, 2, 5, 11, 6]			
391	6.3%	[0, 1, 4, 12, 6]	[0, 4, 1,
12, 6]			
1357	6.3%	[0, 4, 3, 7, 11, 6]	[0, 4, 7,
3, 11, 6]			
168	6.3%	[0, 2, 8, 9]	[0, 8, 2,
9]			
2423	6.3%	[0, 11, 12, 7, 3, 10, 9]	[0, 10,
9, 7, 3, 11, 12]			
3633	6.3%	[0, 4, 5, 2, 3, 8, 7, 11, 6]	[0, 4, 8,
7, 3, 2, 5, 11, 6]			
2155	6.3%	[0, 12, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 2, 12]			
2072	6.3%	[0, 4, 3, 2, 12, 7, 6]	[0, 4, 7,
3, 2, 12, 6]			
3015	6.3%	[0, 4, 3, 2, 11, 12, 7, 6]	[0, 4, 7,
3, 2, 11, 12, 6]			
2160	6.3%	[0, 8, 3, 2, 12, 7, 9]	[0, 8, 7,
3, 2, 12, 9]			
3093	6.3%	[0, 8, 3, 2, 12, 11, 7, 9]	[0, 8, 7,
3, 2, 11, 12, 9]			
2621	6.3%	[0, 1, 8, 3, 2, 11, 7, 9]	[0, 1, 8,
7, 3, 2, 11, 9]			
1874	6.3%	[0, 10, 1, 5, 3, 7, 12]	[0, 10,
1, 7, 3, 5, 12]			
553	6.3%	[0, 2, 8, 9, 6]	[0, 8, 2,
9, 6]			
3078	6.2%	[0, 8, 3, 2, 12, 7, 9, 6]	[0, 8, 7,
3, 2, 12, 9, 6]			
3710	6.2%	[0, 8, 3, 2, 12, 11, 7, 9, 6]	[0, 8, 7,
3, 2, 11, 12, 9, 6]			
1185	6.2%	[0, 12, 2, 3, 10, 6]	[0, 10,
6, 3, 2, 12]			
3407	6.2%	[0, 1, 8, 3, 2, 11, 7, 9, 6]	[0, 1, 8,
7, 3, 2, 11, 9, 6]			
2890	6.2%	[0, 4, 5, 12, 7, 8, 1, 6]	[0, 4, 1,
8, 7, 12, 5, 6]			
253	6.2%	[0, 5, 8, 9]	[0, 8, 5,
9]			
557	6.2%	[0, 2, 10, 9, 6]	[0, 10,
9, 6, 2]			
1302	6.2%	[0, 2, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 2]			
3798	6.2%	[0, 1, 4, 5, 2, 3, 8, 7, 11, 6]	[0, 4, 1,

8, 7, 3, 2, 5, 11, 6]		
3062 6.2%	[0, 8, 3, 2, 5, 11, 7, 9]	[0, 8, 7,
3, 2, 5, 11, 9]		
2302 6.2%	[0, 4, 5, 3, 7, 11, 6]	[0, 4, 7,
3, 5, 11, 6]		
2336 6.2%	[0, 4, 3, 8, 7, 11, 6]	[0, 4, 8,
7, 3, 11, 6]		
2427 6.2%	[0, 4, 5, 11, 7, 8, 6]	[0, 4, 8,
7, 11, 5, 6]		
538 6.2%	[0, 5, 2, 8, 9]	[0, 8, 2,
5, 9]		
3423 6.2%	[0, 1, 8, 3, 2, 11, 12, 7, 9]	[0, 1, 8,
7, 3, 2, 11, 12, 9]		
2622 6.2%	[0, 1, 8, 3, 2, 12, 7, 9]	[0, 1, 8,
7, 3, 2, 12, 9]		
3688 6.2%	[0, 8, 3, 2, 5, 11, 7, 9, 6]	[0, 8, 7,
3, 2, 5, 11, 9, 6]		
3099 6.2%	[0, 4, 5, 2, 11, 7, 8, 6]	[0, 4, 8,
7, 11, 2, 5, 6]		
160 6.1%	[0, 2, 10, 6]	[0, 10,
6, 2]		
550 6.1%	[0, 2, 7, 10, 6]	[0, 10,
6, 7, 2]		
2373 6.1%	[0, 5, 3, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 3, 5]		
3875 6.1%	[0, 1, 8, 3, 2, 11, 12, 7, 9, 6]	[0, 1, 8,
7, 3, 2, 11, 12, 9, 6]		
3408 6.1%	[0, 1, 8, 3, 2, 12, 7, 9, 6]	[0, 1, 8,
7, 3, 2, 12, 9, 6]		
3701 6.1%	[0, 11, 12, 5, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 2, 5, 11, 12]		
3704 6.1%	[0, 8, 3, 2, 5, 11, 12, 7, 9]	[0, 8, 7,
3, 2, 5, 11, 12, 9]		
2247 6.1%	[0, 5, 2, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 2, 5]		
2764 6.1%	[0, 1, 4, 5, 3, 7, 11, 6]	[0, 4, 1,
7, 3, 5, 11, 6]		
3392 6.1%	[0, 1, 8, 3, 2, 5, 11, 7, 9]	[0, 1, 8,
7, 3, 2, 5, 11, 9]		
1441 6.1%	[0, 12, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 12]		
1391 6.1%	[0, 5, 3, 7, 10, 6]	[0, 10,
6, 7, 3, 5]		
1162 6.1%	[0, 5, 2, 3, 8, 9]	[0, 8, 3,
2, 5, 9]		
3060 6.1%	[0, 11, 12, 5, 2, 3, 10, 6]	[0, 10,
6, 3, 2, 5, 11, 12]		
1358 6.0%	[0, 4, 3, 7, 12, 6]	[0, 4, 7,
3, 12, 6]		
3183 6.0%	[0, 4, 5, 3, 8, 7, 11, 6]	[0, 4, 8,
7, 3, 5, 11, 6]		
3991 6.0%	[0, 8, 3, 2, 5, 11, 12, 7, 9, 6]	[0, 8, 7,
3, 2, 5, 11, 12, 9, 6]		
3100 6.0%	[0, 4, 5, 2, 12, 7, 8, 6]	[0, 4, 8,
7, 12, 2, 5, 6]		
3720 6.0%	[0, 4, 5, 2, 11, 12, 7, 8, 6]	[0, 4, 8,
7, 11, 12, 2, 5, 6]		

3853	6.0%	[0, 1, 8, 3, 2, 5, 11, 7, 9, 6]	[0, 1, 8,
7, 3, 2, 5, 11, 9, 6]			
747	6.0%	[0, 7, 12, 11, 5]	[0, 7, 1
1, 12, 5]			
645	6.0%	[0, 12, 3, 10, 6]	[0, 10,
6, 3, 12]			
1265	6.0%	[0, 5, 2, 7, 10, 6]	[0, 10,
6, 7, 2, 5]			
3869	6.0%	[0, 1, 8, 3, 2, 5, 11, 12, 7, 9]	[0, 1, 8,
7, 3, 2, 5, 11, 12, 9]			
3058	6.0%	[0, 12, 5, 2, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 2, 5, 12]			
135	6.0%	[0, 2, 3, 6]	[0, 3, 2,
6]			
3513	5.9%	[0, 1, 4, 5, 3, 8, 7, 11, 6]	[0, 4, 1,
8, 7, 3, 5, 11, 6]			
4046	5.9%	[0, 1, 8, 3, 2, 5, 11, 12, 7, 9, 6]	[0, 1, 8,
7, 3, 2, 5, 11, 12, 9, 6]			
2390	5.9%	[0, 8, 3, 5, 11, 7, 9]	[0, 8, 7,
3, 5, 11, 9]			
2337	5.9%	[0, 4, 3, 8, 7, 12, 6]	[0, 4, 8,
7, 3, 12, 6]			
3063	5.9%	[0, 8, 3, 2, 5, 12, 7, 9]	[0, 8, 7,
3, 2, 5, 12, 9]			
2116	5.9%	[0, 12, 5, 2, 3, 10, 6]	[0, 10,
6, 3, 2, 5, 12]			
3238	5.9%	[0, 8, 3, 5, 11, 7, 9, 6]	[0, 8, 7,
3, 5, 11, 9, 6]			
2428	5.9%	[0, 4, 5, 12, 7, 8, 6]	[0, 4, 8,
7, 12, 5, 6]			
3251	5.9%	[0, 11, 12, 5, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 5, 11, 12]			
3689	5.9%	[0, 8, 3, 2, 5, 12, 7, 9, 6]	[0, 8, 7,
3, 2, 5, 12, 9, 6]			
2388	5.8%	[0, 11, 12, 5, 3, 10, 6]	[0, 10,
6, 3, 5, 11, 12]			
3254	5.8%	[0, 8, 3, 5, 11, 12, 7, 9]	[0, 8, 7,
3, 5, 11, 12, 9]			
2852	5.8%	[0, 1, 8, 3, 5, 11, 7, 9]	[0, 1, 8,
7, 3, 5, 11, 9]			
3393	5.8%	[0, 1, 8, 3, 2, 5, 12, 7, 9]	[0, 1, 8,
7, 3, 2, 5, 12, 9]			
1533	5.8%	[0, 5, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 5]			
3781	5.8%	[0, 8, 3, 5, 11, 12, 7, 9, 6]	[0, 8, 7,
3, 5, 11, 12, 9, 6]			
3568	5.8%	[0, 1, 8, 3, 5, 11, 7, 9, 6]	[0, 1, 8,
7, 3, 5, 11, 9, 6]			
3854	5.8%	[0, 1, 8, 3, 2, 5, 12, 7, 9, 6]	[0, 1, 8,
7, 3, 2, 5, 12, 9, 6]			
622	5.7%	[0, 5, 3, 8, 9]	[0, 8, 3,
5, 9]			
2386	5.7%	[0, 12, 5, 3, 10, 9, 6]	[0, 10,
9, 6, 3, 5, 12]			
725	5.7%	[0, 5, 7, 10, 6]	[0, 10,
6, 7, 5]			
3584	5.7%	[0, 1, 8, 3, 5, 11, 12, 7, 9]	[0, 1, 8,

7, 3, 5, 11, 12, 9]		
3946	5.7%	[0, 1, 8, 3, 5, 11, 12, 7, 9, 6]
7, 3, 5, 11, 12, 9, 6]		[0, 1, 8,
1402	5.7%	[0, 12, 5, 3, 10, 6]
6, 3, 5, 12]		[0, 10,
2391	5.7%	[0, 8, 3, 5, 12, 7, 9]
3, 5, 12, 9]		[0, 8, 7,
3239	5.6%	[0, 8, 3, 5, 12, 7, 9, 6]
3, 5, 12, 9, 6]		[0, 8, 7,
2103	5.6%	[0, 5, 2, 3, 8, 7, 6]
3, 2, 5, 6]		[0, 8, 7,
2853	5.6%	[0, 1, 8, 3, 5, 12, 7, 9]
7, 3, 5, 12, 9]		[0, 1, 8,
84	5.5%	[0, 2, 1, 9]
9]		[0, 1, 2,
108	5.5%	[0, 5, 1, 9]
9]		[0, 1, 5,
303	5.5%	[0, 2, 3, 1, 9]
2, 9]		[0, 1, 3,
3569	5.5%	[0, 1, 8, 3, 5, 12, 7, 9, 6]
7, 3, 5, 12, 9, 6]		[0, 1, 8,
3836	5.5%	[0, 3, 2, 11, 12, 7, 8, 4, 1, 6]
8, 7, 3, 2, 11, 12, 6]		[0, 4, 1,
3411	5.5%	[0, 3, 2, 11, 12, 7, 8, 1, 6]
7, 3, 2, 11, 12, 6]		[0, 1, 8,
2603	5.5%	[0, 3, 2, 12, 7, 8, 1, 6]
7, 3, 2, 12, 6]		[0, 1, 8,
3339	5.5%	[0, 3, 2, 12, 7, 8, 4, 1, 6]
8, 7, 3, 2, 12, 6]		[0, 4, 1,
324	5.5%	[0, 2, 1, 9, 6]
9, 6]		[0, 1, 2,
810	5.5%	[0, 2, 3, 1, 9, 6]
2, 9, 6]		[0, 1, 3,
1314	5.5%	[0, 2, 11, 10, 9, 6]
9, 6, 11, 2]		[0, 10,
2284	5.5%	[0, 2, 11, 7, 10, 9, 6]
9, 6, 7, 11, 2]		[0, 10,
590	5.5%	[0, 4, 3, 7, 6]
3, 6]		[0, 4, 7,
333	5.5%	[0, 2, 8, 1, 9]
2, 9]		[0, 1, 8,
883	5.4%	[0, 2, 8, 1, 9, 6]
2, 9, 6]		[0, 1, 8,
560	5.4%	[0, 2, 11, 10, 6]
6, 11, 2]		[0, 10,
1305	5.4%	[0, 2, 11, 7, 10, 6]
6, 7, 11, 2]		[0, 10,
2487	5.4%	[0, 5, 11, 7, 10, 9, 6]
9, 6, 7, 11, 5]		[0, 10,
318	5.4%	[0, 2, 5, 1, 9]
5, 9]		[0, 1, 2,
804	5.4%	[0, 5, 2, 3, 1, 9]
2, 5, 9]		[0, 1, 3,
3159	5.4%	[0, 5, 2, 11, 7, 10, 9, 6]
9, 6, 7, 11, 2, 5]		[0, 10,
2285	5.4%	[0, 2, 12, 7, 10, 9, 6]
9, 6, 7, 12, 2]		[0, 10,

2292	5.4%	[0, 2, 11, 12, 10, 9, 6]	[0, 10,
9, 6, 11, 12, 2]			
3178	5.4%	[0, 2, 11, 12, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 11, 12, 2]			
418	5.4%	[0, 5, 8, 1, 9]	[0, 1, 8,
5, 9]			
1013	5.4%	[0, 1, 4, 5, 11, 9]	[0, 4, 1,
5, 11, 9]			
1536	5.4%	[0, 5, 11, 7, 10, 6]	[0, 10,
6, 7, 11, 5]			
868	5.4%	[0, 5, 2, 8, 1, 9]	[0, 1, 8,
2, 5, 9]			
3857	5.4%	[0, 3, 2, 5, 11, 12, 7, 8, 1, 6]	[0, 1, 8,
7, 3, 2, 5, 11, 12, 6]			
2250	5.3%	[0, 5, 2, 11, 7, 10, 6]	[0, 10,
6, 7, 11, 2, 5]			
1306	5.3%	[0, 2, 12, 7, 10, 6]	[0, 10,
6, 7, 12, 2]			
2287	5.3%	[0, 2, 11, 12, 7, 10, 6]	[0, 10,
6, 7, 11, 12, 2]			
1317	5.3%	[0, 2, 11, 12, 10, 6]	[0, 10,
6, 11, 12, 2]			
1931	5.3%	[0, 1, 4, 5, 11, 9, 6]	[0, 4, 1,
5, 11, 9, 6]			
2141	5.3%	[0, 8, 3, 2, 12, 7, 6]	[0, 8, 7,
3, 2, 12, 6]			
3009	5.3%	[0, 4, 8, 3, 2, 12, 7, 6]	[0, 4, 8,
7, 3, 2, 12, 6]			
3081	5.3%	[0, 8, 3, 2, 12, 11, 7, 6]	[0, 8, 7,
3, 2, 11, 12, 6]			
3671	5.3%	[0, 4, 8, 3, 2, 12, 11, 7, 6]	[0, 4, 8,
7, 3, 2, 11, 12, 6]			
1389	5.3%	[0, 5, 3, 8, 7, 6]	[0, 8, 7,
3, 5, 6]			
3160	5.3%	[0, 5, 2, 12, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 12, 2, 5]			
3747	5.3%	[0, 5, 2, 11, 12, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 11, 12, 2, 5]			
1354	5.3%	[0, 4, 3, 8, 7, 6]	[0, 4, 8,
7, 3, 6]			
1001	5.3%	[0, 1, 4, 5, 11, 6]	[0, 4, 1,
5, 11, 6]			
1624	5.3%	[0, 5, 2, 3, 8, 1, 9]	[0, 1, 8,
3, 2, 5, 9]			
1954	5.3%	[0, 1, 4, 5, 11, 12, 9]	[0, 4, 1,
5, 11, 12, 9]			
2251	5.3%	[0, 5, 2, 12, 7, 10, 6]	[0, 10,
6, 7, 12, 2, 5]			
3162	5.3%	[0, 5, 2, 11, 12, 7, 10, 6]	[0, 10,
6, 7, 11, 12, 2, 5]			
2905	5.2%	[0, 1, 4, 5, 11, 12, 9, 6]	[0, 4, 1,
5, 11, 12, 9, 6]			
3374	5.2%	[0, 3, 2, 5, 12, 7, 8, 1, 6]	[0, 1, 8,
7, 3, 2, 5, 12, 6]			
2488	5.2%	[0, 5, 12, 7, 10, 9, 6]	[0, 10,
9, 6, 7, 12, 5]			
1292	5.2%	[0, 10, 8, 5, 2, 12]	[0, 10,

8, 2, 5, 12]		
3692	5.2%	[0, 8, 3, 2, 5, 11, 12, 7, 6]
3, 2, 5, 11, 12, 6]		[0, 8, 7,
1537	5.1%	[0, 5, 12, 7, 10, 6]
6, 7, 12, 5]		[0, 10,
3572	5.1%	[0, 3, 5, 11, 12, 7, 8, 1, 6]
7, 3, 5, 11, 12, 6]		[0, 1, 8,
354	5.1%	[0, 5, 3, 1, 9]
5, 9]		[0, 1, 3,
1014	5.1%	[0, 1, 4, 5, 12, 9]
5, 12, 9]		[0, 4, 1,
1932	5.1%	[0, 1, 4, 5, 12, 9, 6]
5, 12, 9, 6]		[0, 4, 1,
2499	5.1%	[0, 10, 8, 7, 12, 11, 5]
8, 7, 11, 12, 5]		[0, 10,
2948	5.1%	[0, 5, 11, 12, 7, 8, 1, 6]
7, 11, 12, 5, 6]		[0, 1, 8,
1935	5.0%	[0, 1, 4, 5, 11, 12, 6]
5, 11, 12, 6]		[0, 4, 1,
3044	5.0%	[0, 8, 3, 2, 5, 12, 7, 6]
3, 2, 5, 12, 6]		[0, 8, 7,
2834	5.0%	[0, 3, 5, 12, 7, 8, 1, 6]
7, 3, 5, 12, 6]		[0, 1, 8,
952	5.0%	[0, 5, 3, 8, 1, 9]
3, 5, 9]		[0, 1, 8,
3242	5.0%	[0, 8, 3, 5, 11, 12, 7, 6]
3, 5, 11, 12, 6]		[0, 8, 7,
2454	4.9%	[0, 10, 4, 7, 12, 11, 5]
4, 7, 11, 12, 5]		[0, 10,
1015	4.9%	[0, 10, 1, 4, 5, 11]
4, 1, 5, 11]		[0, 10,
1002	4.9%	[0, 1, 4, 5, 12, 6]
5, 12, 6]		[0, 4, 1,
565	4.9%	[0, 2, 8, 7, 11]
11, 2]		[0, 8, 7,
1955	4.8%	[0, 10, 1, 4, 5, 11, 12]
4, 1, 5, 11, 12]		[0, 10,
2233	4.8%	[0, 4, 7, 8, 2, 11, 12]
7, 11, 12, 2]		[0, 4, 8,
1246	4.8%	[0, 4, 7, 8, 2, 12]
7, 12, 2]		[0, 4, 8,
2120	4.8%	[0, 5, 2, 3, 8, 7, 11]
3, 2, 5, 11]		[0, 8, 7,
1545	4.8%	[0, 5, 11, 10, 9, 6]
9, 6, 5, 11]		[0, 10,
2372	4.8%	[0, 8, 3, 5, 12, 7, 6]
3, 5, 12, 6]		[0, 8, 7,
2259	4.8%	[0, 5, 2, 11, 10, 9, 6]
9, 6, 5, 2, 11]		[0, 10,
735	4.8%	[0, 5, 11, 10, 6]
6, 5, 11]		[0, 10,
90	4.8%	[0, 3, 1, 6]
6]		[0, 1, 3,
1275	4.8%	[0, 5, 2, 11, 10, 6]
6, 5, 2, 11]		[0, 10,
3066	4.7%	[0, 5, 2, 3, 8, 7, 11, 12]
3, 2, 5, 11, 12]		[0, 8, 7,

1637	4.7%	[0, 1, 3, 2, 11, 7, 6]	[0, 1, 7,
3, 2, 11, 6]			
2533	4.7%	[0, 4, 1, 3, 2, 11, 7, 6]	[0, 4, 1,
7, 3, 2, 11, 6]			
2486	4.7%	[0, 5, 11, 12, 7, 8, 6]	[0, 8, 7,
11, 12, 5, 6]			
1204	4.7%	[0, 12, 2, 3, 10, 9]	[0, 10,
9, 3, 2, 12]			
1613	4.7%	[0, 1, 5, 2, 3, 7, 6]	[0, 1, 7,
3, 2, 5, 6]			
1280	4.7%	[0, 5, 2, 8, 7, 11]	[0, 8, 7,
11, 2, 5]			
359	4.6%	[0, 3, 8, 1, 6]	[0, 1, 8,
3, 6]			
921	4.6%	[0, 3, 8, 4, 1, 6]	[0, 4, 1,
8, 3, 6]			
2695	4.6%	[0, 1, 4, 7, 8, 2, 11, 12]	[0, 4, 1,
8, 7, 11, 12, 2]			
1785	4.6%	[0, 1, 7, 8, 2, 11, 12]	[0, 1, 8,
7, 11, 12, 2]			
896	4.6%	[0, 1, 2, 8, 7, 12]	[0, 1, 8,
7, 12, 2]			
1708	4.6%	[0, 1, 4, 7, 8, 2, 12]	[0, 4, 1,
8, 7, 12, 2]			
2020	4.6%	[0, 10, 1, 7, 12, 11, 5]	[0, 10,
1, 7, 11, 12, 5]			
1016	4.6%	[0, 10, 1, 4, 5, 12]	[0, 10,
4, 1, 5, 12]			
2568	4.6%	[0, 1, 3, 2, 5, 11, 7, 6]	[0, 1, 7,
3, 2, 5, 11, 6]			
283	4.5%	[0, 11, 7, 9]	[0, 7, 1
1, 9]			
2164	4.5%	[0, 7, 11, 2, 3, 10, 9]	[0, 10,
9, 7, 3, 2, 11]			
544	4.5%	[0, 5, 2, 12, 9]	[0, 2, 5,
12, 9]			
3075	4.5%	[0, 11, 12, 5, 2, 3, 10, 9]	[0, 10,
9, 3, 2, 5, 11, 12]			
763	4.5%	[0, 11, 7, 9, 6]	[0, 7, 1
1, 9, 6]			
1274	4.5%	[0, 5, 2, 12, 9, 6]	[0, 2, 5,
12, 9, 6]			
740	4.5%	[0, 5, 8, 7, 11]	[0, 8, 7,
11, 5]			
664	4.5%	[0, 12, 3, 10, 9]	[0, 10,
9, 3, 12]			
728	4.5%	[0, 5, 8, 9, 6]	[0, 8, 5,
6, 9]			
1268	4.5%	[0, 5, 2, 8, 9, 6]	[0, 8, 2,
5, 6, 9]			
2565	4.5%	[0, 1, 5, 2, 3, 8, 7, 6]	[0, 1, 8,
7, 3, 2, 5, 6]			
1485	4.5%	[0, 8, 4, 5, 11, 9]	[0, 4, 8,
5, 11, 9]			
1277	4.5%	[0, 5, 2, 12, 11, 6]	[0, 2, 5,
11, 12, 6]			
786	4.5%	[0, 11, 12, 7, 9]	[0, 7, 1

1, 12, 9]		
2436	4.4%	[0, 8, 4, 5, 11, 9, 6]
5, 11, 9, 6]		[0, 4, 8,
1743	4.4%	[0, 1, 5, 2, 8, 7, 12]
7, 12, 2, 5]		[0, 1, 8,
2730	4.4%	[0, 1, 5, 2, 8, 7, 11, 12]
7, 11, 12, 2, 5]		[0, 1, 8,
1572	4.4%	[0, 11, 12, 7, 9, 6]
1, 12, 9, 6]		[0, 7, 1
874	4.4%	[0, 1, 5, 2, 12, 9]
5, 12, 9]		[0, 1, 2,
941	4.4%	[0, 1, 5, 3, 7, 6]
3, 5, 6]		[0, 1, 7,
2135	4.4%	[0, 12, 5, 2, 3, 10, 9]
9, 3, 2, 5, 12]		[0, 10,
3067	4.4%	[0, 7, 11, 5, 2, 3, 10, 9]
9, 7, 3, 2, 5, 11]		[0, 10,
2108	4.4%	[0, 5, 2, 3, 8, 9, 6]
2, 5, 6, 9]		[0, 8, 3,
1466	4.4%	[0, 8, 4, 5, 11, 6]
5, 11, 6]		[0, 4, 8,
1736	4.4%	[0, 1, 5, 2, 12, 9, 6]
5, 12, 9, 6]		[0, 1, 2,
2457	4.4%	[0, 8, 4, 5, 11, 12, 9]
5, 11, 12, 9]		[0, 4, 8,
1406	4.4%	[0, 5, 3, 8, 7, 11]
3, 5, 11]		[0, 8, 7,
1854	4.4%	[0, 1, 3, 5, 11, 7, 6]
3, 5, 11, 6]		[0, 1, 7,
1947	4.4%	[0, 1, 8, 4, 5, 11, 9]
8, 5, 11, 9]		[0, 4, 1,
2199	4.4%	[0, 8, 4, 5, 2, 11, 9]
2, 5, 11, 9]		[0, 4, 8,
2403	4.4%	[0, 11, 12, 5, 3, 10, 9]
9, 3, 5, 11, 12]		[0, 10,
3277	4.4%	[0, 8, 4, 5, 11, 12, 9, 6]
5, 11, 12, 9, 6]		[0, 4, 8,
2898	4.4%	[0, 1, 8, 4, 5, 11, 9, 6]
8, 5, 11, 9, 6]		[0, 4, 1,
3108	4.3%	[0, 8, 4, 5, 2, 11, 9, 6]
2, 5, 11, 9, 6]		[0, 4, 8,
1739	4.3%	[0, 1, 5, 2, 12, 11, 6]
5, 11, 12, 6]		[0, 1, 2,
532	4.3%	[0, 5, 2, 12, 6]
12, 6]		[0, 2, 5,
1928	4.3%	[0, 1, 8, 4, 5, 11, 6]
8, 5, 11, 6]		[0, 4, 1,
2394	4.3%	[0, 5, 3, 8, 7, 11, 12]
3, 5, 11, 12]		[0, 8, 7,
2180	4.3%	[0, 8, 4, 5, 2, 11, 6]
2, 5, 11, 6]		[0, 4, 8,
2919	4.3%	[0, 1, 8, 4, 5, 11, 12, 9]
8, 5, 11, 12, 9]		[0, 4, 1,
3129	4.3%	[0, 8, 4, 5, 2, 12, 11, 9]
2, 5, 11, 12, 9]		[0, 4, 8,
2661	4.3%	[0, 1, 8, 4, 5, 2, 11, 9]
8, 2, 5, 11, 9]		[0, 4, 1,

1189	4.3%	[0, 3, 2, 8, 7, 11]	[0, 8, 7,
3, 2, 11]			
3607	4.3%	[0, 1, 8, 4, 5, 11, 12, 9, 6]	[0, 4, 1,
8, 5, 11, 12, 9, 6]			
3727	4.3%	[0, 8, 4, 5, 2, 12, 11, 9, 6]	[0, 4, 8,
2, 5, 11, 12, 9, 6]			
3438	4.3%	[0, 1, 8, 4, 5, 2, 11, 9, 6]	[0, 4, 1,
8, 2, 5, 11, 9, 6]			
1123	4.3%	[0, 3, 2, 5, 4, 6]	[0, 4, 5,
2, 3, 6]			
1486	4.3%	[0, 8, 4, 5, 12, 9]	[0, 4, 8,
5, 12, 9]			
1421	4.2%	[0, 12, 5, 3, 10, 9]	[0, 10,
9, 3, 5, 12]			
1851	4.2%	[0, 1, 5, 3, 8, 7, 6]	[0, 1, 8,
7, 3, 5, 6]			
2437	4.2%	[0, 8, 4, 5, 12, 9, 6]	[0, 4, 8,
5, 12, 9, 6]			
2395	4.2%	[0, 7, 11, 5, 3, 10, 9]	[0, 10,
9, 7, 3, 5, 11]			
862	4.2%	[0, 1, 5, 2, 12, 6]	[0, 1, 2,
5, 12, 6]			
2642	4.2%	[0, 1, 8, 4, 5, 2, 11, 6]	[0, 4, 1,
8, 2, 5, 11, 6]			
3459	4.2%	[0, 1, 8, 4, 5, 2, 11, 12, 9]	[0, 4, 1,
8, 2, 5, 11, 12, 9]			
179	4.2%	[0, 3, 4, 6]	[0, 4, 3,
6]			
1190	4.2%	[0, 3, 2, 8, 7, 12]	[0, 8, 7,
3, 2, 12]			
2163	4.2%	[0, 3, 2, 8, 7, 11, 12]	[0, 8, 7,
3, 2, 11, 12]			
3892	4.2%	[0, 1, 8, 4, 5, 2, 11, 12, 9, 6]	[0, 4, 1,
8, 2, 5, 11, 12, 9, 6]			
2440	4.2%	[0, 8, 4, 5, 11, 12, 6]	[0, 4, 8,
5, 11, 12, 6]			
1948	4.2%	[0, 1, 8, 4, 5, 12, 9]	[0, 4, 1,
8, 5, 12, 9]			
344	4.2%	[0, 3, 1, 4, 6]	[0, 4, 1,
3, 6]			
3000	4.2%	[0, 10, 8, 4, 5, 2, 3, 12]	[0, 10,
4, 8, 3, 2, 5, 12]			
1394	4.2%	[0, 5, 3, 8, 9, 6]	[0, 8, 3,
5, 6, 9]			
194	4.1%	[0, 3, 8, 6]	[0, 8, 3,
6]			
591	4.1%	[0, 3, 8, 4, 6]	[0, 4, 8,
3, 6]			
2899	4.1%	[0, 1, 8, 4, 5, 12, 9, 6]	[0, 4, 1,
8, 5, 12, 9, 6]			
1558	4.1%	[0, 10, 7, 12, 11, 5]	[0, 10,
7, 11, 12, 5]			
757	4.1%	[0, 10, 12, 11, 5]	[0, 10, 1
1, 12, 5]			
1570	4.1%	[0, 10, 6, 9, 7, 11]	[0, 10,
9, 6, 7, 11]			
2902	4.1%	[0, 1, 8, 4, 5, 11, 12, 6]	[0, 4, 1,

8, 5, 11, 12, 6]		
1571	4.1%	[0, 10, 6, 9, 7, 12]
9, 6, 7, 12]		[0, 10,
2506	4.1%	[0, 10, 6, 9, 7, 11, 12]
9, 6, 7, 11, 12]		[0, 10,
1467	4.1%	[0, 8, 4, 5, 12, 6]
5, 12, 6]		[0, 4, 8,
3330	4.0%	[0, 10, 8, 1, 4, 5, 2, 3, 12]
4, 1, 8, 3, 2, 5, 12]		[0, 10,
579	4.0%	[0, 2, 11, 10, 9]
9, 11, 2]		[0, 10,
1591	4.0%	[0, 1, 4, 5, 2, 3, 12]
3, 2, 5, 12]		[0, 4, 1,
583	4.0%	[0, 3, 5, 4, 6]
3, 6]		[0, 4, 5,
1929	4.0%	[0, 1, 8, 4, 5, 12, 6]
8, 5, 12, 6]		[0, 4, 1,
754	4.0%	[0, 5, 11, 10, 9]
9, 11, 5]		[0, 10,
1294	4.0%	[0, 5, 2, 11, 10, 9]
9, 11, 2, 5]		[0, 10,
1332	4.0%	[0, 2, 11, 12, 10, 9]
9, 11, 12, 2]		[0, 10,
580	4.0%	[0, 2, 12, 10, 9]
9, 12, 2]		[0, 10,
2495	4.0%	[0, 5, 11, 12, 10, 9, 6]
9, 6, 5, 11, 12]		[0, 10,
204	3.9%	[0, 3, 8, 9]
9]		[0, 8, 3,
3167	3.9%	[0, 5, 2, 11, 12, 10, 9, 6]
9, 6, 5, 2, 11, 12]		[0, 10,
2260	3.9%	[0, 5, 2, 12, 10, 9, 6]
9, 6, 5, 2, 12]		[0, 10,
1548	3.9%	[0, 5, 11, 12, 10, 6]
6, 5, 11, 12]		[0, 10,
637	3.9%	[0, 3, 8, 9, 6]
9, 6]		[0, 8, 3,
2262	3.9%	[0, 5, 2, 11, 12, 10, 6]
6, 5, 2, 11, 12]		[0, 10,
1276	3.9%	[0, 5, 2, 12, 10, 6]
6, 5, 2, 12]		[0, 10,
2277	3.9%	[0, 5, 2, 11, 12, 10, 9]
9, 11, 12, 2, 5]		[0, 10,
1295	3.9%	[0, 5, 2, 12, 10, 9]
9, 12, 2, 5]		[0, 10,
2328	3.9%	[0, 10, 8, 4, 5, 3, 12]
4, 8, 3, 5, 12]		[0, 10,
1056	3.9%	[0, 1, 5, 11, 7, 6]
11, 5, 6]		[0, 1, 7,
1728	3.8%	[0, 1, 5, 2, 11, 7, 6]
11, 2, 5, 6]		[0, 1, 7,
1546	3.8%	[0, 5, 12, 10, 9, 6]
9, 6, 5, 12]		[0, 10,
409	3.8%	[0, 5, 1, 9, 6]
6, 9]		[0, 1, 5,
736	3.8%	[0, 5, 12, 10, 6]
6, 5, 12]		[0, 10,

755	3.8%	[0, 5, 12, 10, 9]	[0, 10,
		9, 12, 5]	
2714	3.8%	[0, 1, 5, 2, 11, 12, 7, 6]	[0, 1, 7,
		11, 12, 2, 5, 6]	
1729	3.8%	[0, 1, 5, 2, 12, 7, 6]	[0, 1, 7,
		12, 2, 5, 6]	
2790	3.8%	[0, 10, 8, 1, 4, 5, 3, 12]	[0, 10,
		4, 1, 8, 3, 5, 12]	
155	3.7%	[0, 5, 2, 11]	[0, 2, 5,
		11]	
1615	3.7%	[0, 5, 2, 3, 1, 9, 6]	[0, 1, 3,
		2, 5, 6, 9]	
859	3.7%	[0, 2, 5, 1, 9, 6]	[0, 1, 2,
		5, 6, 9]	
282	3.7%	[0, 7, 10, 9]	[0, 10,
		9, 7]	
1058	3.7%	[0, 5, 8, 1, 9, 6]	[0, 1, 8,
		5, 6, 9]	
1730	3.7%	[0, 5, 2, 8, 1, 9, 6]	[0, 1, 8,
		2, 5, 6, 9]	
1057	3.7%	[0, 1, 5, 12, 7, 6]	[0, 1, 7,
		12, 5, 6]	
3395	3.7%	[0, 10, 8, 1, 5, 2, 3, 7, 12]	[0, 10,
		8, 7, 1, 3, 2, 5, 12]	
919	3.7%	[0, 1, 4, 5, 3, 12]	[0, 4, 1,
		3, 5, 12]	
547	3.7%	[0, 5, 2, 11, 12]	[0, 2, 5,
		11, 12]	
2570	3.6%	[0, 5, 2, 3, 8, 1, 9, 6]	[0, 1, 8,
		3, 2, 5, 6, 9]	
398	3.6%	[0, 10, 8, 4, 1]	[0, 10,
		4, 1, 8]	
2165	3.6%	[0, 7, 12, 2, 3, 10, 9]	[0, 10,
		9, 7, 3, 2, 12]	
3095	3.6%	[0, 7, 11, 12, 2, 3, 10, 9]	[0, 10,
		9, 7, 3, 2, 11, 12]	
3150	3.6%	[0, 10, 4, 7, 8, 2, 11, 12]	[0, 10,
		4, 8, 7, 11, 12, 2]	
2232	3.6%	[0, 10, 4, 7, 8, 2, 12]	[0, 10,
		4, 8, 7, 12, 2]	
1503	3.6%	[0, 4, 7, 12, 11, 6]	[0, 4, 7,
		11, 12, 6]	
1569	3.6%	[0, 8, 7, 12, 11, 6]	[0, 8, 7,
		11, 12, 6]	
2465	3.6%	[0, 4, 8, 7, 12, 11, 6]	[0, 4, 8,
		7, 11, 12, 6]	
943	3.5%	[0, 5, 3, 1, 9, 6]	[0, 1, 3,
		5, 6, 9]	
3706	3.5%	[0, 7, 12, 11, 5, 2, 3, 10, 9]	[0, 10,
		9, 7, 3, 2, 5, 11, 12]	
1965	3.5%	[0, 1, 4, 7, 12, 11, 6]	[0, 4, 1,
		7, 11, 12, 6]	
2031	3.5%	[0, 1, 8, 7, 12, 11, 6]	[0, 1, 8,
		7, 11, 12, 6]	
1097	3.5%	[0, 1, 7, 12, 11, 6]	[0, 1, 7,
		11, 12, 6]	
2927	3.5%	[0, 1, 4, 8, 7, 12, 11, 6]	[0, 4, 1,

8, 7, 11, 12, 6]		
2071	3.5%	[0, 4, 3, 2, 11, 7, 6]
3, 2, 11, 6]		[0, 4, 7,
320	3.5%	[0, 1, 5, 2, 11]
5, 11]		[0, 1, 2,
3065	3.5%	[0, 10, 8, 5, 2, 3, 7, 12]
8, 7, 3, 2, 5, 12]		[0, 10,
1451	3.5%	[0, 7, 12, 3, 10, 9]
9, 7, 3, 12]		[0, 10,
3480	3.5%	[0, 10, 4, 1, 7, 8, 2, 11, 12]
4, 1, 8, 7, 11, 12, 2]		[0, 10,
2694	3.5%	[0, 10, 4, 1, 2, 8, 7, 12]
4, 1, 8, 7, 12, 2]		[0, 10,
702	3.5%	[0, 4, 12, 11, 6]
1, 12, 6]		[0, 4, 1
1856	3.4%	[0, 5, 3, 8, 1, 9, 6]
3, 5, 6, 9]		[0, 1, 8,
767	3.4%	[0, 7, 12, 11, 6]
1, 12, 6]		[0, 7, 1
2855	3.4%	[0, 10, 8, 1, 5, 3, 7, 12]
8, 7, 1, 3, 5, 12]		[0, 10,
2015	3.4%	[0, 10, 8, 5, 1, 7, 12]
8, 7, 1, 5, 12]		[0, 10,
877	3.4%	[0, 1, 5, 2, 11, 12]
5, 11, 12]		[0, 1, 2,
3068	3.4%	[0, 7, 12, 5, 2, 3, 10, 9]
9, 7, 3, 2, 5, 12]		[0, 10,
3256	3.4%	[0, 7, 12, 11, 5, 3, 10, 9]
9, 7, 3, 5, 11, 12]		[0, 10,
2500	3.3%	[0, 5, 11, 12, 7, 10, 9]
9, 7, 11, 12, 5]		[0, 10,
2396	3.3%	[0, 7, 12, 5, 3, 10, 9]
9, 7, 3, 5, 12]		[0, 10,
2393	3.2%	[0, 10, 8, 5, 3, 7, 12]
8, 7, 3, 5, 12]		[0, 10,
369	3.2%	[0, 1, 3, 8, 9]
3, 9]		[0, 1, 8,
93	3.2%	[0, 3, 1, 9]
9]		[0, 1, 3,
775	3.2%	[0, 10, 6, 9, 12]
9, 6, 12]		[0, 10,
2187	3.2%	[0, 4, 5, 2, 12, 11, 6]
2, 11, 12, 6]		[0, 4, 5,
967	3.2%	[0, 1, 3, 8, 9, 6]
3, 9, 6]		[0, 1, 8,
360	3.2%	[0, 3, 1, 9, 6]
9, 6]		[0, 1, 3,
442	3.2%	[0, 1, 12, 11, 6]
1, 12, 6]		[0, 1, 1
1622	3.1%	[0, 1, 5, 2, 3, 7, 11]
3, 2, 5, 11]		[0, 1, 7,
562	3.1%	[0, 2, 12, 11, 6]
1, 12, 6]		[0, 2, 1
1186	3.1%	[0, 3, 2, 12, 11, 6]
11, 12, 6]		[0, 3, 2,
1242	3.1%	[0, 4, 2, 12, 11, 6]
11, 12, 6]		[0, 4, 2,

1313	3.1%	[0, 8, 2, 12, 11, 6]	[0, 8, 2,
11, 12, 6]			
2223	3.1%	[0, 4, 8, 2, 12, 11, 6]	[0, 4, 8,
2, 11, 12, 6]			
2589	3.1%	[0, 1, 5, 2, 3, 7, 11, 12]	[0, 1, 7,
3, 2, 5, 11, 12]			
2082	3.1%	[0, 4, 3, 2, 12, 11, 6]	[0, 4, 3,
2, 11, 12, 6]			
892	3.0%	[0, 1, 2, 12, 11, 6]	[0, 1, 2,
11, 12, 6]			
1704	3.0%	[0, 4, 1, 2, 12, 11, 6]	[0, 4, 1,
2, 11, 12, 6]			
1648	3.0%	[0, 1, 3, 2, 12, 11, 6]	[0, 1, 3,
2, 11, 12, 6]			
2544	3.0%	[0, 4, 1, 3, 2, 12, 11, 6]	[0, 4, 1,
3, 2, 11, 12, 6]			
3021	3.0%	[0, 4, 8, 3, 2, 12, 11, 6]	[0, 4, 8,
3, 2, 11, 12, 6]			
2153	3.0%	[0, 8, 3, 2, 12, 11, 6]	[0, 8, 3,
2, 11, 12, 6]			
1651	3.0%	[0, 1, 3, 2, 8, 7, 11]	[0, 1, 8,
7, 3, 2, 11]			
2547	3.0%	[0, 4, 1, 3, 2, 8, 7, 11]	[0, 4, 1,
8, 7, 3, 2, 11]			
2685	3.0%	[0, 1, 4, 8, 2, 12, 11, 6]	[0, 4, 1,
8, 2, 11, 12, 6]			
1775	3.0%	[0, 1, 8, 2, 12, 11, 6]	[0, 1, 8,
2, 11, 12, 6]			
646	3.0%	[0, 3, 12, 11, 6]	[0, 3, 1
1, 12, 6]			
2615	3.0%	[0, 1, 8, 3, 2, 12, 11, 6]	[0, 1, 8,
3, 2, 11, 12, 6]			
3351	3.0%	[0, 1, 4, 8, 3, 2, 12, 11, 6]	[0, 4, 1,
8, 3, 2, 11, 12, 6]			
105	3.0%	[0, 5, 1, 6]	[0, 1, 5,
6]			
2985	3.0%	[0, 4, 5, 2, 3, 12, 11, 6]	[0, 4, 5,
2, 3, 11, 12, 6]			
2548	3.0%	[0, 4, 1, 3, 2, 8, 7, 12]	[0, 4, 1,
8, 7, 3, 2, 12]			
2625	3.0%	[0, 1, 3, 2, 8, 7, 11, 12]	[0, 1, 8,
7, 3, 2, 11, 12]			
3361	3.0%	[0, 4, 1, 3, 2, 8, 7, 11, 12]	[0, 4, 1,
8, 7, 3, 2, 11, 12]			
1652	3.0%	[0, 1, 3, 2, 8, 7, 12]	[0, 1, 8,
7, 3, 2, 12]			
1290	3.0%	[0, 8, 5, 2, 12, 9]	[0, 8, 2,
5, 12, 9]			
1368	2.9%	[0, 4, 3, 12, 11, 6]	[0, 4, 3,
11, 12, 6]			
2255	2.9%	[0, 8, 5, 2, 12, 9, 6]	[0, 8, 2,
5, 12, 9, 6]			
976	2.9%	[0, 1, 3, 12, 11, 6]	[0, 1, 3,
11, 12, 6]			
1830	2.9%	[0, 4, 1, 3, 12, 11, 6]	[0, 4, 1,
3, 11, 12, 6]			
2349	2.9%	[0, 4, 8, 3, 12, 11, 6]	[0, 4, 8,

3, 11, 12, 6]		
1439 2.9%	[0, 8, 3, 12, 11, 6]	[0, 8, 3,
11, 12, 6]		
2258 2.9%	[0, 8, 5, 2, 12, 11, 6]	[0, 8, 2,
5, 11, 12, 6]		
801 2.9%	[0, 5, 2, 3, 1, 6]	[0, 1, 3,
2, 5, 6]		
315 2.9%	[0, 2, 5, 1, 6]	[0, 1, 2,
5, 6]		
1752 2.9%	[0, 1, 8, 5, 2, 12, 9]	[0, 1, 8,
2, 5, 12, 9]		
408 2.9%	[0, 5, 8, 1, 6]	[0, 1, 8,
5, 6]		
773 2.9%	[0, 8, 12, 11, 6]	[0, 8, 1
1, 12, 6]		
2717 2.9%	[0, 1, 8, 5, 2, 12, 9, 6]	[0, 1, 8,
2, 5, 12, 9, 6]		
858 2.9%	[0, 5, 2, 8, 1, 6]	[0, 1, 8,
2, 5, 6]		
1901 2.9%	[0, 1, 8, 3, 12, 11, 6]	[0, 1, 8,
3, 11, 12, 6]		
2811 2.9%	[0, 1, 4, 8, 3, 12, 11, 6]	[0, 4, 1,
8, 3, 11, 12, 6]		
950 2.9%	[0, 1, 5, 3, 7, 11]	[0, 1, 7,
3, 5, 11]		
2720 2.8%	[0, 1, 8, 5, 2, 12, 11, 6]	[0, 1, 8,
2, 5, 11, 12, 6]		
2313 2.8%	[0, 4, 5, 3, 12, 11, 6]	[0, 4, 5,
3, 11, 12, 6]		
1271 2.8%	[0, 8, 5, 2, 12, 6]	[0, 8, 2,
5, 12, 6]		
1614 2.8%	[0, 5, 2, 3, 8, 1, 6]	[0, 1, 8,
3, 2, 5, 6]		
1875 2.8%	[0, 1, 5, 3, 7, 11, 12]	[0, 1, 7,
3, 5, 11, 12]		
2582 2.8%	[0, 1, 5, 2, 3, 8, 7, 11]	[0, 1, 8,
7, 3, 2, 5, 11]		
1245 2.8%	[0, 4, 7, 8, 2, 11]	[0, 4, 8,
7, 11, 2]		
1733 2.8%	[0, 1, 8, 5, 2, 12, 6]	[0, 1, 8,
2, 5, 12, 6]		
3396 2.8%	[0, 1, 5, 2, 3, 8, 7, 11, 12]	[0, 1, 8,
7, 3, 2, 5, 11, 12]		
351 2.7%	[0, 5, 3, 1, 6]	[0, 1, 3,
5, 6]		
2602 2.7%	[0, 3, 2, 11, 7, 8, 1, 6]	[0, 1, 8,
7, 3, 2, 11, 6]		
3338 2.7%	[0, 3, 2, 11, 7, 8, 4, 1, 6]	[0, 4, 1,
8, 7, 3, 2, 11, 6]		
1707 2.7%	[0, 1, 4, 7, 8, 2, 11]	[0, 4, 1,
8, 7, 11, 2]		
895 2.7%	[0, 1, 7, 8, 2, 11]	[0, 1, 8,
7, 11, 2]		
942 2.7%	[0, 5, 3, 8, 1, 6]	[0, 1, 8,
3, 5, 6]		
3373 2.7%	[0, 3, 2, 5, 11, 7, 8, 1, 6]	[0, 1, 8,
7, 3, 2, 5, 11, 6]		

214	2.6%	[0, 5, 4, 6]	[0, 4, 5,
6]			
138	2.6%	[0, 2, 3, 9]	[0, 3, 2,
9]			
480	2.6%	[0, 2, 3, 9, 6]	[0, 3, 2,
9, 6]			
1742	2.6%	[0, 1, 5, 2, 8, 7, 11]	[0, 1, 8,
7, 11, 2, 5]			
1868	2.6%	[0, 1, 5, 3, 8, 7, 11]	[0, 1, 8,
7, 3, 5, 11]			
474	2.5%	[0, 5, 2, 3, 9]	[0, 3, 2,
5, 9]			
2833	2.5%	[0, 3, 5, 11, 7, 8, 1, 6]	[0, 1, 8,
7, 3, 5, 11, 6]			
2856	2.5%	[0, 1, 5, 3, 8, 7, 11, 12]	[0, 1, 8,
7, 3, 5, 11, 12]			
1753	2.5%	[0, 10, 8, 1, 5, 2, 11]	[0, 10,
8, 1, 2, 5, 11]			
3008	2.5%	[0, 4, 8, 3, 2, 11, 7, 6]	[0, 4, 8,
7, 3, 2, 11, 6]			
2140	2.5%	[0, 8, 3, 2, 11, 7, 6]	[0, 8, 7,
3, 2, 11, 6]			
875	2.5%	[0, 10, 1, 5, 2, 11]	[0, 10,
1, 2, 5, 11]			
2738	2.5%	[0, 10, 8, 1, 5, 2, 11, 12]	[0, 10,
8, 1, 2, 5, 11, 12]			
1759	2.4%	[0, 10, 1, 5, 2, 11, 12]	[0, 10,
1, 2, 5, 11, 12]			
416	2.4%	[0, 5, 1, 7, 11]	[0, 1, 7,
11, 5]			
1070	2.4%	[0, 1, 5, 8, 7, 11]	[0, 1, 8,
7, 11, 5]			
189	2.4%	[0, 5, 3, 9]	[0, 3, 5,
9]			
3043	2.4%	[0, 8, 3, 2, 5, 11, 7, 6]	[0, 8, 7,
3, 2, 5, 11, 6]			
2728	2.4%	[0, 10, 8, 7, 1, 5, 2, 11]	[0, 10,
8, 7, 1, 2, 5, 11]			
3501	2.4%	[0, 10, 8, 7, 1, 5, 2, 11, 12]	[0, 10,
8, 7, 1, 2, 5, 11, 12]			
243	2.4%	[0, 5, 8, 6]	[0, 8, 5,
6]			
528	2.4%	[0, 5, 2, 8, 6]	[0, 8, 2,
5, 6]			
1152	2.3%	[0, 5, 2, 3, 8, 6]	[0, 8, 3,
2, 5, 6]			
2371	2.3%	[0, 8, 3, 5, 11, 7, 6]	[0, 8, 7,
3, 5, 11, 6]			
2587	2.3%	[0, 10, 1, 5, 2, 3, 7, 11]	[0, 10,
1, 7, 3, 2, 5, 11]			
1993	2.3%	[0, 5, 11, 7, 8, 1, 6]	[0, 1, 8,
7, 11, 5, 6]			
1589	2.3%	[0, 10, 1, 4, 5, 2, 3]	[0, 10,
4, 1, 3, 2, 5]			
2707	2.3%	[0, 5, 2, 11, 7, 8, 1, 6]	[0, 1, 8,
7, 11, 2, 5, 6]			
3400	2.3%	[0, 10, 1, 5, 2, 3, 7, 11, 12]	[0, 10,

1, 7, 3, 2, 5, 11, 12]			
3359	2.3%	[0, 10, 4, 1, 3, 2, 8, 7, 11]	[0, 10,
4, 1, 8, 7, 3, 2, 11]			
82	2.2%	[0, 7, 1, 2]	[0, 1, 7,
2]			
415	2.2%	[0, 10, 7, 1, 5]	[0, 10,
1, 7, 5]			
2708	2.2%	[0, 5, 2, 12, 7, 8, 1, 6]	[0, 1, 8,
7, 12, 2, 5, 6]			
3488	2.2%	[0, 5, 2, 11, 12, 7, 8, 1, 6]	[0, 1, 8,
7, 11, 12, 2, 5, 6]			
3849	2.2%	[0, 10, 4, 1, 3, 2, 8, 7, 11, 12]	[0, 10,
4, 1, 8, 7, 3, 2, 11, 12]			
3360	2.2%	[0, 10, 4, 1, 3, 2, 8, 7, 12]	[0, 10,
4, 1, 8, 7, 3, 2, 12]			
612	2.2%	[0, 5, 3, 8, 6]	[0, 8, 3,
5, 6]			
1994	2.2%	[0, 5, 12, 7, 8, 1, 6]	[0, 1, 8,
7, 12, 5, 6]			
1873	2.1%	[0, 10, 1, 5, 3, 7, 11]	[0, 10,
1, 7, 3, 5, 11]			
316	2.1%	[0, 7, 1, 2, 5]	[0, 1, 7,
2, 5]			
2860	2.1%	[0, 10, 1, 5, 3, 7, 11, 12]	[0, 10,
1, 7, 3, 5, 11, 12]			
2231	2.1%	[0, 10, 4, 7, 8, 2, 11]	[0, 10,
4, 8, 7, 11, 2]			
917	2.0%	[0, 10, 1, 4, 5, 3]	[0, 10,
4, 1, 3, 5]			
2061	2.0%	[0, 8, 4, 5, 2, 3, 12]	[0, 4, 8,
3, 2, 5, 12]			
2693	2.0%	[0, 10, 4, 1, 7, 8, 2, 11]	[0, 10,
4, 1, 8, 7, 11, 2]			
932	1.9%	[0, 10, 8, 4, 1, 3]	[0, 10,
4, 1, 8, 3]			
2523	1.9%	[0, 1, 8, 4, 5, 2, 3, 12]	[0, 4, 1,
8, 3, 2, 5, 12]			
1531	1.9%	[0, 5, 11, 7, 8, 6]	[0, 8, 7,
11, 5, 6]			
2245	1.8%	[0, 5, 2, 11, 7, 8, 6]	[0, 8, 7,
11, 2, 5, 6]			
1604	1.8%	[0, 10, 8, 4, 1, 3, 2]	[0, 10,
4, 1, 8, 3, 2]			
1347	1.8%	[0, 8, 4, 5, 3, 12]	[0, 4, 8,
3, 5, 12]			
2246	1.8%	[0, 5, 2, 12, 7, 8, 6]	[0, 8, 7,
12, 2, 5, 6]			
3158	1.8%	[0, 5, 2, 11, 12, 7, 8, 6]	[0, 8, 7,
11, 12, 2, 5, 6]			
1146	1.8%	[0, 3, 2, 11, 4, 9]	[0, 4, 3,
2, 11, 9]			
2526	1.8%	[0, 1, 4, 5, 2, 3, 12, 9]	[0, 4, 1,
3, 2, 5, 12, 9]			
2078	1.8%	[0, 3, 2, 11, 4, 9, 6]	[0, 4, 3,
2, 11, 9, 6]			
3312	1.8%	[0, 1, 4, 5, 2, 3, 12, 9, 6]	[0, 4, 1,
3, 2, 5, 12, 9, 6]			

2101	1.8%	[0, 3, 2, 11, 12, 4, 9]	[0, 4, 3,
2, 11, 12, 9]			
1147	1.8%	[0, 3, 2, 12, 4, 9]	[0, 4, 3,
2, 12, 9]			
3315	1.8%	[0, 1, 4, 5, 2, 3, 12, 11, 6]	[0, 4, 1,
3, 2, 5, 11, 12, 6]			
1532	1.8%	[0, 5, 12, 7, 8, 6]	[0, 8, 7,
12, 5, 6]			
3024	1.8%	[0, 3, 2, 11, 12, 4, 9, 6]	[0, 4, 3,
2, 11, 12, 9, 6]			
2079	1.8%	[0, 3, 2, 12, 4, 9, 6]	[0, 4, 3,
2, 12, 9, 6]			
1809	1.8%	[0, 1, 8, 4, 5, 3, 12]	[0, 4, 1,
8, 3, 5, 12]			
606	1.7%	[0, 3, 11, 4, 9]	[0, 4, 3,
11, 9]			
1812	1.7%	[0, 1, 4, 5, 3, 12, 9]	[0, 4, 1,
3, 5, 12, 9]			
2514	1.7%	[0, 1, 4, 5, 2, 3, 12, 6]	[0, 4, 1,
3, 2, 5, 12, 6]			
1364	1.7%	[0, 3, 11, 4, 9, 6]	[0, 4, 3,
11, 9, 6]			
2772	1.7%	[0, 1, 4, 5, 3, 12, 9, 6]	[0, 4, 1,
3, 5, 12, 9, 6]			
1387	1.7%	[0, 3, 12, 11, 4, 9]	[0, 4, 3,
11, 12, 9]			
607	1.7%	[0, 3, 12, 4, 9]	[0, 4, 3,
12, 9]			
2775	1.7%	[0, 1, 4, 5, 3, 12, 11, 6]	[0, 4, 1,
3, 5, 11, 12, 6]			
2352	1.7%	[0, 3, 12, 11, 4, 9, 6]	[0, 4, 3,
11, 12, 9, 6]			
1365	1.7%	[0, 3, 12, 4, 9, 6]	[0, 4, 3,
12, 9, 6]			
2063	1.7%	[0, 3, 2, 5, 11, 4, 9]	[0, 4, 5,
2, 3, 11, 9]			
2981	1.7%	[0, 3, 2, 5, 11, 4, 9, 6]	[0, 4, 5,
2, 3, 11, 9, 6]			
1800	1.6%	[0, 1, 4, 5, 3, 12, 6]	[0, 4, 1,
3, 5, 12, 6]			
3004	1.6%	[0, 3, 2, 5, 11, 12, 4, 9]	[0, 4, 5,
2, 3, 11, 12, 9]			
3649	1.6%	[0, 3, 2, 5, 11, 12, 4, 9, 6]	[0, 4, 5,
2, 3, 11, 12, 9, 6]			
1349	1.6%	[0, 3, 5, 11, 4, 9]	[0, 4, 5,
3, 11, 9]			
2309	1.6%	[0, 3, 5, 11, 4, 9, 6]	[0, 4, 5,
3, 11, 9, 6]			
2332	1.6%	[0, 3, 5, 11, 12, 4, 9]	[0, 4, 5,
3, 11, 12, 9]			
3199	1.6%	[0, 3, 5, 11, 12, 4, 9, 6]	[0, 4, 5,
3, 11, 12, 9, 6]			
543	1.5%	[0, 5, 2, 11, 9]	[0, 2, 5,
11, 9]			
1273	1.5%	[0, 5, 2, 11, 9, 6]	[0, 2, 5,
11, 9, 6]			
531	1.5%	[0, 5, 2, 11, 6]	[0, 2, 5,

11, 6]			
1296	1.5%	[0, 5, 2, 11, 12, 9]	[0, 2, 5,
11, 12, 9]			
2261	1.5%	[0, 5, 2, 11, 12, 9, 6]	[0, 2, 5,
11, 12, 9, 6]			
873	1.5%	[0, 1, 5, 2, 11, 9]	[0, 1, 2,
5, 11, 9]			
1735	1.5%	[0, 1, 5, 2, 11, 9, 6]	[0, 1, 2,
5, 11, 9, 6]			
861	1.5%	[0, 1, 5, 2, 11, 6]	[0, 1, 2,
5, 11, 6]			
1758	1.5%	[0, 1, 5, 2, 11, 12, 9]	[0, 1, 2,
5, 11, 12, 9]			
2723	1.5%	[0, 1, 5, 2, 11, 12, 9, 6]	[0, 1, 2,
5, 11, 12, 9, 6]			
1832	1.4%	[0, 10, 8, 7, 4, 1, 3]	[0, 10,
4, 1, 8, 7, 3]			
172	1.3%	[0, 2, 10, 9]	[0, 10,
9, 2]			
2546	1.3%	[0, 10, 8, 7, 4, 1, 3, 2]	[0, 10,
4, 1, 8, 7, 3, 2]			
144	1.3%	[0, 7, 4, 2]	[0, 4, 7,
2]			
542	1.3%	[0, 5, 2, 10, 9]	[0, 10,
9, 2, 5]			
2558	1.2%	[0, 10, 8, 4, 1, 3, 2, 11]	[0, 10,
4, 1, 8, 3, 2, 11]			
2559	1.2%	[0, 10, 8, 4, 1, 3, 2, 12]	[0, 10,
4, 1, 8, 3, 2, 12]			
3369	1.2%	[0, 10, 8, 4, 1, 3, 2, 11, 12]	[0, 10,
4, 1, 8, 3, 2, 11, 12]			
1714	1.2%	[0, 2, 1, 4, 7, 11, 12]	[0, 4, 1,
7, 11, 12, 2]			
846	1.2%	[0, 2, 1, 4, 7, 12]	[0, 4, 1,
7, 12, 2]			
332	1.2%	[0, 2, 1, 7, 12]	[0, 1, 7,
12, 2]			
902	1.2%	[0, 2, 1, 7, 11, 12]	[0, 1, 7,
11, 12, 2]			
257	1.2%	[0, 5, 10, 9]	[0, 10,
9, 5]			
3329	1.2%	[0, 10, 8, 4, 1, 3, 2, 5, 11]	[0, 10,
4, 1, 8, 3, 2, 5, 11]			
522	1.2%	[0, 2, 11, 4, 9]	[0, 4, 2,
11, 9]			
1844	1.2%	[0, 10, 8, 4, 1, 3, 11]	[0, 10,
4, 1, 8, 3, 11]			
3829	1.2%	[0, 10, 8, 4, 1, 3, 2, 5, 11, 12]	[0, 10,
4, 1, 8, 3, 2, 5, 11, 12]			
1238	1.2%	[0, 2, 11, 4, 9, 6]	[0, 4, 2,
11, 9, 6]			
867	1.1%	[0, 2, 5, 1, 7, 12]	[0, 1, 7,
12, 2, 5]			
1749	1.1%	[0, 2, 5, 1, 7, 11, 12]	[0, 1, 7,
11, 12, 2, 5]			
2829	1.1%	[0, 10, 8, 4, 1, 3, 11, 12]	[0, 10,
4, 1, 8, 3, 11, 12]			

1845	1.1%	[0, 10, 8, 4, 1, 3, 12]	[0, 10,
4, 1, 8, 3, 12]			
523	1.1%	[0, 2, 12, 4, 9]	[0, 4, 2,
12, 9]			
1261	1.1%	[0, 2, 11, 12, 4, 9]	[0, 4, 2,
11, 12, 9]			
1239	1.1%	[0, 2, 12, 4, 9, 6]	[0, 4, 2,
12, 9, 6]			
2226	1.1%	[0, 2, 11, 12, 4, 9, 6]	[0, 4, 2,
11, 12, 9, 6]			
2789	1.1%	[0, 10, 8, 4, 1, 3, 5, 11]	[0, 10,
4, 1, 8, 3, 5, 11]			
3544	1.1%	[0, 10, 8, 4, 1, 3, 5, 11, 12]	[0, 10,
4, 1, 8, 3, 5, 11, 12]			
2196	1.0%	[0, 10, 4, 5, 2, 7, 12]	[0, 10,
4, 7, 12, 2, 5]			
3126	1.0%	[0, 10, 4, 5, 2, 7, 11, 12]	[0, 10,
4, 7, 11, 12, 2, 5]			
708	1.0%	[0, 4, 11, 7, 9]	[0, 4, 7,
11, 9]			
1499	1.0%	[0, 4, 11, 7, 9, 6]	[0, 4, 7,
11, 9, 6]			
709	0.9%	[0, 4, 12, 7, 9]	[0, 4, 7,
12, 9]			
1522	0.9%	[0, 4, 11, 12, 7, 9]	[0, 4, 7,
11, 12, 9]			
1038	0.9%	[0, 1, 4, 11, 7, 9]	[0, 4, 1,
7, 11, 9]			
1500	0.9%	[0, 4, 12, 7, 9, 6]	[0, 4, 7,
12, 9, 6]			
2468	0.9%	[0, 4, 11, 12, 7, 9, 6]	[0, 4, 7,
11, 12, 9, 6]			
1961	0.9%	[0, 1, 4, 11, 7, 9, 6]	[0, 4, 1,
7, 11, 9, 6]			
1984	0.9%	[0, 1, 4, 11, 12, 7, 9]	[0, 4, 1,
7, 11, 12, 9]			
1039	0.9%	[0, 1, 4, 12, 7, 9]	[0, 4, 1,
7, 12, 9]			
1962	0.9%	[0, 1, 4, 12, 7, 9, 6]	[0, 4, 1,
7, 12, 9, 6]			
2930	0.9%	[0, 1, 4, 11, 12, 7, 9, 6]	[0, 4, 1,
7, 11, 12, 9, 6]			
2998	0.9%	[0, 8, 4, 5, 2, 3, 12, 9]	[0, 4, 8,
3, 2, 5, 12, 9]			
3643	0.9%	[0, 8, 4, 5, 2, 3, 12, 9, 6]	[0, 4, 8,
3, 2, 5, 12, 9, 6]			
3646	0.9%	[0, 8, 4, 5, 2, 3, 12, 11, 6]	[0, 4, 8,
3, 2, 5, 11, 12, 6]			
3328	0.9%	[0, 1, 8, 4, 5, 2, 3, 12, 9]	[0, 4, 1,
8, 3, 2, 5, 12, 9]			
3808	0.9%	[0, 1, 8, 4, 5, 2, 3, 12, 9, 6]	[0, 4, 1,
8, 3, 2, 5, 12, 9, 6]			
3811	0.9%	[0, 1, 8, 4, 5, 2, 3, 12, 11, 6]	[0, 4, 1,
8, 3, 2, 5, 11, 12, 6]			
2326	0.9%	[0, 8, 4, 5, 3, 12, 9]	[0, 4, 8,
3, 5, 12, 9]			
2979	0.9%	[0, 8, 4, 5, 2, 3, 12, 6]	[0, 4, 8,

3, 2, 5, 12, 6]		
3193	0.9%	[0, 8, 4, 5, 3, 12, 9, 6]
3, 5, 12, 9, 6]		[0, 4, 8,
3196	0.8%	[0, 8, 4, 5, 3, 12, 11, 6]
3, 5, 11, 12, 6]		[0, 4, 8,
2788	0.8%	[0, 1, 8, 4, 5, 3, 12, 9]
8, 3, 5, 12, 9]		[0, 4, 1,
3309	0.8%	[0, 1, 8, 4, 5, 2, 3, 12, 6]
8, 3, 2, 5, 12, 6]		[0, 4, 1,
3523	0.8%	[0, 1, 8, 4, 5, 3, 12, 9, 6]
8, 3, 5, 12, 9, 6]		[0, 4, 1,
3526	0.8%	[0, 1, 8, 4, 5, 3, 12, 11, 6]
8, 3, 5, 11, 12, 6]		[0, 4, 1,
2307	0.8%	[0, 8, 4, 5, 3, 12, 6]
3, 5, 12, 6]		[0, 4, 8,
284	0.8%	[0, 12, 7, 9]
2, 9]		[0, 7, 1
764	0.8%	[0, 12, 7, 9, 6]
2, 9, 6]		[0, 7, 1
2769	0.8%	[0, 1, 8, 4, 5, 3, 12, 6]
8, 3, 5, 12, 6]		[0, 4, 1,
1153	0.8%	[0, 5, 2, 3, 9, 6]
5, 6, 9]		[0, 3, 2,
387	0.8%	[0, 8, 4, 1, 6]
8, 6]		[0, 4, 1,
113	0.8%	[0, 8, 1, 6]
6]		[0, 1, 8,
613	0.7%	[0, 5, 3, 9, 6]
6, 9]		[0, 3, 5,
1191	0.6%	[0, 2, 3, 7, 10, 9]
9, 7, 3, 2]		[0, 10,
2122	0.6%	[0, 5, 2, 3, 7, 10, 9]
9, 7, 3, 2, 5]		[0, 10,
567	0.6%	[0, 2, 7, 10, 9]
9, 7, 2]		[0, 10,
1408	0.6%	[0, 5, 3, 7, 10, 9]
9, 7, 3, 5]		[0, 10,
1282	0.6%	[0, 5, 2, 7, 10, 9]
9, 7, 2, 5]		[0, 10,
742	0.6%	[0, 5, 7, 10, 9]
9, 7, 5]		[0, 10,
516	0.5%	[0, 2, 4, 7, 12]
12, 2]		[0, 4, 7,
1252	0.5%	[0, 2, 4, 7, 11, 12]
11, 12, 2]		[0, 4, 7,
1324	0.5%	[0, 2, 11, 7, 10, 9]
9, 7, 11, 2]		[0, 10,
1555	0.5%	[0, 5, 11, 7, 10, 9]
9, 7, 11, 5]		[0, 10,
2269	0.5%	[0, 5, 2, 11, 7, 10, 9]
9, 7, 11, 2, 5]		[0, 10,
2297	0.5%	[0, 2, 11, 12, 7, 10, 9]
9, 7, 11, 12, 2]		[0, 10,
1325	0.5%	[0, 2, 12, 7, 10, 9]
9, 7, 12, 2]		[0, 10,
3172	0.5%	[0, 5, 2, 11, 12, 7, 10, 9]
9, 7, 11, 12, 2, 5]		[0, 10,

2270	0.5%	[0, 5, 2, 12, 7, 10, 9]	[0, 10,
9, 7, 12, 2, 5]			
1556	0.5%	[0, 5, 12, 7, 10, 9]	[0, 10,
9, 7, 12, 5]			
2126	0.3%	[0, 10, 3, 5, 2, 7, 12]	[0, 10,
3, 2, 5, 12, 7]			
692	0.1%	[0, 4, 12, 7, 6]	[0, 4, 7,
12, 6]			
1022	0.1%	[0, 1, 4, 12, 7, 6]	[0, 4, 1,
7, 12, 6]			
2086	0.0%	[0, 4, 3, 2, 8, 7, 12]	[0, 4, 8,
7, 3, 2, 12]			
2563	0.0%	[0, 4, 1, 3, 2, 12, 11, 9]	[0, 4, 1,
3, 2, 11, 12, 9]			
3354	0.0%	[0, 4, 1, 3, 2, 12, 11, 9, 6]	[0, 4, 1,
3, 2, 11, 12, 9, 6]			
2632	0.0%	[0, 1, 8, 3, 2, 12, 11, 9]	[0, 1, 8,
3, 2, 11, 12, 9]			
3368	0.0%	[0, 1, 4, 8, 3, 2, 12, 11, 9]	[0, 4, 1,
8, 3, 2, 11, 12, 9]			
3843	0.0%	[0, 1, 4, 8, 3, 2, 12, 11, 9, 6]	[0, 4, 1,
8, 3, 2, 11, 12, 9, 6]			
3418	0.0%	[0, 1, 8, 3, 2, 12, 11, 9, 6]	[0, 1, 8,
3, 2, 11, 12, 9, 6]			
3029	0.0%	[0, 10, 4, 3, 2, 8, 7, 11]	[0, 10,
4, 8, 7, 3, 2, 11]			
3684	0.0%	[0, 10, 4, 3, 2, 8, 7, 11, 12]	[0, 10,
4, 8, 7, 3, 2, 11, 12]			
576	0.0%	[0, 10, 8, 2, 11]	[0, 10,
8, 2, 11]			
577	0.0%	[0, 10, 8, 2, 12]	[0, 10,
8, 2, 12]			
2527	0.0%	[0, 10, 4, 1, 3, 2, 5, 11]	[0, 10,
4, 1, 3, 2, 5, 11]			
578	0.0%	[0, 8, 2, 11, 12]	[0, 8, 2,
11, 12]			
2171	0.0%	[0, 10, 8, 3, 2, 11, 12]	[0, 10,
8, 3, 2, 11, 12]			
490	0.0%	[0, 10, 8, 3, 2]	[0, 10,
8, 3, 2]			
575	0.0%	[0, 8, 2, 12, 9]	[0, 8, 2,
12, 9]			
511	0.0%	[0, 4, 2, 12, 6]	[0, 4, 2,
12, 6]			
574	0.0%	[0, 8, 2, 11, 9]	[0, 8, 2,
11, 9]			
571	0.0%	[0, 10, 7, 12, 2]	[0, 10,
7, 12, 2]			
2564	0.0%	[0, 10, 4, 1, 3, 2, 11, 12]	[0, 10,
4, 1, 3, 2, 11, 12]			
2528	0.0%	[0, 10, 4, 1, 3, 2, 5, 12]	[0, 10,
4, 1, 3, 2, 5, 12]			
2111	0.0%	[0, 8, 3, 2, 5, 12, 6]	[0, 8, 3,
2, 5, 12, 6]			
572	0.0%	[0, 7, 11, 12, 2]	[0, 7, 1
1, 12, 2]			
2560	0.0%	[0, 1, 4, 8, 3, 2, 11, 12]	[0, 4, 1,

8, 3, 2, 11, 12]		
2529 0.0%	[0, 4, 1, 3, 2, 5, 11, 12]	[0, 4, 1,
3, 2, 5, 11, 12]		
570 0.0%	[0, 10, 7, 11, 2]	[0, 10,
7, 11, 2]		
2150 0.0%	[0, 8, 3, 2, 12, 9, 6]	[0, 8, 3,
2, 12, 9, 6]		
2149 0.0%	[0, 8, 3, 2, 11, 9, 6]	[0, 8, 3,
2, 11, 9, 6]		
514 0.0%	[0, 10, 4, 7, 2]	[0, 10,
4, 7, 2]		
2537 0.0%	[0, 1, 4, 8, 3, 2, 11, 6]	[0, 4, 1,
8, 3, 2, 11, 6]		
2207 0.0%	[0, 10, 4, 5, 2, 11, 12]	[0, 10,
4, 5, 2, 11, 12]		
2113 0.0%	[0, 3, 2, 5, 11, 9, 6]	[0, 3, 2,
5, 11, 9, 6]		
2206 0.0%	[0, 4, 5, 2, 11, 12, 9]	[0, 4, 5,
2, 11, 12, 9]		
2114 0.0%	[0, 3, 2, 5, 12, 9, 6]	[0, 3, 2,
5, 12, 9, 6]		
2219 0.0%	[0, 4, 8, 2, 11, 9, 6]	[0, 4, 8,
2, 11, 9, 6]		
462 0.0%	[0, 10, 1, 11, 12]	[0, 10,
1, 11, 12]		
581 0.0%	[0, 2, 11, 12, 9]	[0, 2, 1
1, 12, 9]		
2097 0.0%	[0, 10, 4, 8, 3, 2, 12]	[0, 10,
4, 8, 3, 2, 12]		
594 0.0%	[0, 4, 3, 11, 6]	[0, 4, 3,
11, 6]		
2161 0.0%	[0, 10, 8, 7, 3, 2, 11]	[0, 10,
8, 7, 3, 2, 11]		
498 0.0%	[0, 3, 2, 11, 12]	[0, 3, 2,
11, 12]		
595 0.0%	[0, 4, 3, 12, 6]	[0, 4, 3,
12, 6]		
596 0.0%	[0, 4, 8, 7, 3]	[0, 4, 8,
7, 3]		
3705 0.0%	[0, 10, 8, 7, 3, 2, 5, 11, 12]	[0, 10,
8, 7, 3, 2, 5, 11, 12]		
598 0.0%	[0, 10, 4, 7, 3]	[0, 10,
4, 7, 3]		
2517 0.0%	[0, 10, 4, 1, 7, 3, 2, 5]	[0, 10,
4, 1, 7, 3, 2, 5]		
2098 0.0%	[0, 4, 8, 3, 2, 11, 12]	[0, 4, 8,
3, 2, 11, 12]		
3864 0.0%	[0, 1, 8, 3, 2, 5, 11, 12, 9, 6]	[0, 1, 8,
3, 2, 5, 11, 12, 9, 6]		
602 0.0%	[0, 10, 4, 8, 3]	[0, 10,
4, 8, 3]		
491 0.0%	[0, 8, 3, 2, 11]	[0, 8, 3,
2, 11]		
603 0.0%	[0, 4, 8, 3, 11]	[0, 4, 8,
3, 11]		
604 0.0%	[0, 4, 8, 3, 12]	[0, 4, 8,
3, 12]		

3699	0.0%	[0, 8, 3, 2, 5, 11, 12, 9, 6]	[0, 8, 3,
2, 5, 11, 12, 9, 6]			
505	0.0%	[0, 4, 5, 2, 12]	[0, 4, 5,
2, 12]			
2167	0.0%	[0, 10, 3, 2, 7, 11, 12]	[0, 10,
3, 2, 7, 11, 12]			
504	0.0%	[0, 4, 5, 2, 11]	[0, 4, 5,
2, 11]			
378	0.0%	[0, 1, 3, 11, 12]	[0, 1, 3,
11, 12]			
377	0.0%	[0, 10, 1, 3, 12]	[0, 10,
1, 3, 12]			
376	0.0%	[0, 10, 1, 3, 11]	[0, 10,
1, 3, 11]			
375	0.0%	[0, 1, 3, 12, 9]	[0, 1, 3,
12, 9]			
497	0.0%	[0, 10, 3, 2, 12]	[0, 10,
3, 2, 12]			
496	0.0%	[0, 10, 3, 2, 11]	[0, 10,
3, 2, 11]			
2102	0.0%	[0, 10, 4, 3, 2, 11, 12]	[0, 10,
4, 3, 2, 11, 12]			
495	0.0%	[0, 3, 2, 12, 9]	[0, 3, 2,
12, 9]			
582	0.0%	[0, 10, 11, 12, 2]	[0, 10, 1
1, 12, 2]			
2220	0.0%	[0, 4, 8, 2, 12, 9, 6]	[0, 4, 8,
2, 12, 9, 6]			
396	0.0%	[0, 1, 4, 7, 12]	[0, 4, 1,
7, 12]			
395	0.0%	[0, 1, 4, 7, 11]	[0, 4, 1,
7, 11]			
510	0.0%	[0, 4, 2, 11, 6]	[0, 4, 2,
11, 6]			
394	0.0%	[0, 10, 4, 1, 7]	[0, 10,
4, 1, 7]			
393	0.0%	[0, 1, 4, 7, 9]	[0, 4, 1,
7, 9]			
584	0.0%	[0, 4, 7, 3, 5]	[0, 4, 7,
3, 5]			
492	0.0%	[0, 8, 3, 2, 12]	[0, 8, 3,
2, 12]			
392	0.0%	[0, 4, 1, 8, 7]	[0, 4, 1,
8, 7]			
2525	0.0%	[0, 4, 1, 3, 2, 5, 11, 9]	[0, 4, 1,
3, 2, 5, 11, 9]			
2538	0.0%	[0, 1, 4, 8, 3, 2, 12, 6]	[0, 4, 1,
8, 3, 2, 12, 6]			
2110	0.0%	[0, 8, 3, 2, 5, 11, 6]	[0, 8, 3,
2, 5, 11, 6]			
587	0.0%	[0, 10, 4, 5, 3]	[0, 10,
4, 5, 3]			
588	0.0%	[0, 4, 5, 3, 11]	[0, 4, 5,
3, 11]			
2170	0.0%	[0, 8, 3, 2, 11, 12, 9]	[0, 8, 3,
2, 11, 12, 9]			
386	0.0%	[0, 1, 4, 7, 6]	[0, 4, 1,

7, 6]			
589	0.0%	[0, 4, 5, 3, 12]	[0, 4, 5,
3, 12]			
2522	0.0%	[0, 1, 4, 8, 3, 2, 5, 11]	[0, 4, 1,
8, 3, 2, 5, 11]			
2156	0.0%	[0, 3, 2, 11, 12, 9, 6]	[0, 3, 2,
11, 12, 9, 6]			
494	0.0%	[0, 3, 2, 11, 9]	[0, 3, 2,
11, 9]			
2117	0.0%	[0, 3, 2, 5, 11, 12, 6]	[0, 3, 2,
5, 11, 12, 6]			
374	0.0%	[0, 1, 3, 11, 9]	[0, 1, 3,
11, 9]			
484	0.0%	[0, 8, 7, 3, 2]	[0, 8, 7,
3, 2]			
411	0.0%	[0, 1, 5, 11, 6]	[0, 1, 5,
11, 6]			
443	0.0%	[0, 1, 8, 7, 9]	[0, 1, 8,
7, 9]			
525	0.0%	[0, 10, 4, 2, 12]	[0, 10,
4, 2, 12]			
2575	0.0%	[0, 1, 3, 2, 5, 11, 9, 6]	[0, 1, 3,
2, 5, 11, 9, 6]			
2576	0.0%	[0, 1, 3, 2, 5, 12, 9, 6]	[0, 1, 3,
2, 5, 12, 9, 6]			
2553	0.0%	[0, 10, 4, 1, 7, 3, 2, 12]	[0, 10,
4, 1, 7, 3, 2, 12]			
2552	0.0%	[0, 10, 4, 1, 2, 3, 7, 11]	[0, 10,
4, 1, 7, 3, 2, 11]			
439	0.0%	[0, 1, 12, 9, 6]	[0, 1, 1
2, 9, 6]			
438	0.0%	[0, 1, 11, 9, 6]	[0, 1, 1
1, 9, 6]			
535	0.0%	[0, 10, 7, 2, 5]	[0, 10,
7, 2, 5]			
536	0.0%	[0, 7, 11, 2, 5]	[0, 7, 1
1, 2, 5]			
524	0.0%	[0, 10, 4, 2, 11]	[0, 10,
4, 2, 11]			
537	0.0%	[0, 7, 12, 2, 5]	[0, 7, 1
2, 2, 5]			
2137	0.0%	[0, 10, 3, 2, 5, 11, 12]	[0, 10,
3, 2, 5, 11, 12]			
469	0.0%	[0, 4, 3, 2, 11]	[0, 4, 3,
2, 11]			
539	0.0%	[0, 10, 8, 2, 5]	[0, 10,
8, 2, 5]			
540	0.0%	[0, 8, 2, 5, 11]	[0, 8, 2,
5, 11]			
2136	0.0%	[0, 3, 2, 5, 11, 12, 9]	[0, 3, 2,
5, 11, 12, 9]			
470	0.0%	[0, 4, 3, 2, 12]	[0, 4, 3,
2, 12]			
471	0.0%	[0, 3, 2, 5, 6]	[0, 3, 2,
5, 6]			
472	0.0%	[0, 7, 3, 2, 5]	[0, 7, 3,
2, 5]			

3828	0.0%	[0, 1, 4, 8, 3, 2, 5, 11, 12, 9]	[0, 4, 1,
		8, 3, 2, 5, 11, 12, 9]	
444	0.0%	[0, 10, 8, 7, 1]	[0, 10,
		8, 7, 1]	
445	0.0%	[0, 1, 8, 7, 11]	[0, 1, 8,
		7, 11]	
446	0.0%	[0, 1, 8, 7, 12]	[0, 1, 8,
		7, 12]	
456	0.0%	[0, 10, 8, 1, 11]	[0, 10,
		8, 1, 11]	
526	0.0%	[0, 4, 2, 11, 12]	[0, 4, 2,
		11, 12]	
461	0.0%	[0, 1, 11, 12, 9]	[0, 1, 1
		1, 12, 9]	
529	0.0%	[0, 2, 5, 6, 9]	[0, 2, 5,
		6, 9]	
2557	0.0%	[0, 1, 4, 8, 3, 2, 12, 9]	[0, 4, 1,
		8, 3, 2, 12, 9]	
3814	0.0%	[0, 4, 1, 3, 2, 5, 11, 12, 9, 6]	[0, 4, 1,
		3, 2, 5, 11, 12, 9, 6]	
2183	0.0%	[0, 4, 5, 2, 11, 9, 6]	[0, 4, 5,
		2, 11, 9, 6]	
530	0.0%	[0, 10, 6, 5, 2]	[0, 10,
		6, 5, 2]	
463	0.0%	[0, 4, 5, 2, 3]	[0, 4, 5,
		2, 3]	
457	0.0%	[0, 10, 8, 1, 12]	[0, 10,
		8, 1, 12]	
465	0.0%	[0, 4, 7, 3, 2]	[0, 4, 7,
		3, 2]	
468	0.0%	[0, 10, 4, 3, 2]	[0, 10,
		4, 3, 2]	
2184	0.0%	[0, 4, 5, 2, 12, 9, 6]	[0, 4, 5,
		2, 12, 9, 6]	
2556	0.0%	[0, 1, 4, 8, 3, 2, 11, 9]	[0, 4, 1,
		8, 3, 2, 11, 9]	
2554	0.0%	[0, 4, 1, 7, 3, 2, 11, 12]	[0, 4, 1,
		7, 3, 2, 11, 12]	
452	0.0%	[0, 1, 7, 11, 12]	[0, 1, 7,
		11, 12]	
451	0.0%	[0, 10, 1, 7, 12]	[0, 10,
		1, 7, 12]	
450	0.0%	[0, 10, 1, 7, 11]	[0, 10,
		1, 7, 11]	
466	0.0%	[0, 4, 8, 3, 2]	[0, 4, 8,
		3, 2]	
449	0.0%	[0, 1, 7, 12, 9]	[0, 1, 7,
		12, 9]	
448	0.0%	[0, 1, 7, 11, 9]	[0, 1, 7,
		11, 9]	
433	0.0%	[0, 1, 8, 9, 6]	[0, 1, 8,
		9, 6]	
432	0.0%	[0, 1, 7, 12, 6]	[0, 1, 7,
		12, 6]	
3763	0.0%	[0, 4, 8, 3, 5, 11, 12, 9, 6]	[0, 4, 8,
		3, 5, 11, 12, 9, 6]	
3807	0.0%	[0, 1, 4, 8, 3, 2, 5, 11, 9, 6]	[0, 4, 1,

8, 3, 2, 5, 11, 9, 6]			
555	0.0%	[0, 8, 2, 11, 6]	[0, 8, 2,
11, 6]			
556	0.0%	[0, 8, 2, 12, 6]	[0, 8, 2,
12, 6]			
2581	0.0%	[0, 10, 8, 7, 1, 3, 2, 5]	[0, 10,
8, 7, 1, 3, 2, 5]			
420	0.0%	[0, 1, 8, 5, 11]	[0, 1, 8,
5, 11]			
476	0.0%	[0, 3, 2, 5, 11]	[0, 3, 2,
5, 11]			
477	0.0%	[0, 3, 2, 5, 12]	[0, 3, 2,
5, 12]			
2572	0.0%	[0, 1, 8, 3, 2, 5, 11, 6]	[0, 1, 8,
3, 2, 5, 11, 6]			
2573	0.0%	[0, 1, 8, 3, 2, 5, 12, 6]	[0, 1, 8,
3, 2, 5, 12, 6]			
419	0.0%	[0, 10, 8, 1, 5]	[0, 10,
8, 1, 5]			
558	0.0%	[0, 2, 11, 9, 6]	[0, 2, 1
1, 9, 6]			
2125	0.0%	[0, 10, 3, 2, 5, 11, 7]	[0, 10,
3, 2, 5, 11, 7]			
559	0.0%	[0, 2, 12, 9, 6]	[0, 2, 1
2, 9, 6]			
482	0.0%	[0, 3, 2, 11, 6]	[0, 3, 2,
11, 6]			
2541	0.0%	[0, 4, 1, 3, 2, 12, 9, 6]	[0, 4, 1,
3, 2, 12, 9, 6]			
483	0.0%	[0, 3, 2, 12, 6]	[0, 3, 2,
12, 6]			
2540	0.0%	[0, 4, 1, 3, 2, 11, 9, 6]	[0, 4, 1,
3, 2, 11, 9, 6]			
2119	0.0%	[0, 10, 8, 7, 3, 2, 5]	[0, 10,
8, 7, 3, 2, 5]			
412	0.0%	[0, 1, 5, 12, 6]	[0, 1, 5,
12, 6]			
564	0.0%	[0, 10, 8, 7, 2]	[0, 10,
8, 7, 2]			
515	0.0%	[0, 4, 7, 11, 2]	[0, 4, 7,
11, 2]			
421	0.0%	[0, 1, 8, 5, 12]	[0, 1, 8,
5, 12]			
475	0.0%	[0, 10, 3, 2, 5]	[0, 10,
3, 2, 5]			
2133	0.0%	[0, 8, 3, 2, 5, 11, 12]	[0, 8, 3,
2, 5, 11, 12]			
425	0.0%	[0, 10, 1, 5, 11]	[0, 10,
1, 5, 11]			
431	0.0%	[0, 1, 7, 11, 6]	[0, 1, 7,
11, 6]			
503	0.0%	[0, 10, 4, 5, 2]	[0, 10,
4, 5, 2]			
520	0.0%	[0, 4, 8, 2, 12]	[0, 4, 8,
2, 12]			
429	0.0%	[0, 1, 7, 9, 6]	[0, 1, 7,

9, 6]			
545	0.0%	[0, 10, 11, 2, 5]	[0, 10, 1
1, 2, 5]			
428	0.0%	[0, 1, 8, 7, 6]	[0, 1, 8,
7, 6]			
546	0.0%	[0, 10, 12, 2, 5]	[0, 10, 1
2, 2, 5]			
427	0.0%	[0, 1, 5, 11, 12]	[0, 1, 5,
11, 12]			
426	0.0%	[0, 10, 1, 5, 12]	[0, 10,
1, 5, 12]			
2132	0.0%	[0, 10, 8, 3, 2, 5, 12]	[0, 10,
8, 3, 2, 5, 12]			
518	0.0%	[0, 10, 4, 8, 2]	[0, 10,
4, 8, 2]			
424	0.0%	[0, 1, 5, 12, 9]	[0, 1, 5,
12, 9]			
423	0.0%	[0, 1, 5, 11, 9]	[0, 1, 5,
11, 9]			
473	0.0%	[0, 8, 3, 2, 5]	[0, 8, 3,
2, 5]			
2195	0.0%	[0, 10, 4, 7, 11, 2, 5]	[0, 10,
4, 7, 11, 2, 5]			
2131	0.0%	[0, 10, 8, 3, 2, 5, 11]	[0, 10,
8, 3, 2, 5, 11]			
519	0.0%	[0, 4, 8, 2, 11]	[0, 4, 8,
2, 11]			
2130	0.0%	[0, 8, 3, 2, 5, 12, 9]	[0, 8, 3,
2, 5, 12, 9]			
2129	0.0%	[0, 8, 3, 2, 5, 11, 9]	[0, 8, 3,
2, 5, 11, 9]			
2579	0.0%	[0, 1, 3, 2, 5, 11, 12, 6]	[0, 1, 3,
2, 5, 11, 12, 6]			
2162	0.0%	[0, 10, 8, 7, 3, 2, 12]	[0, 10,
8, 7, 3, 2, 12]			
3070	0.0%	[0, 10, 3, 2, 5, 11, 12, 7]	[0, 10,
3, 2, 5, 11, 12, 7]			
2237	0.0%	[0, 10, 4, 7, 11, 12, 2]	[0, 10,
4, 7, 11, 12, 2]			
372	0.0%	[0, 1, 8, 3, 12]	[0, 1, 8,
3, 12]			
2398	0.0%	[0, 10, 3, 5, 11, 12, 7]	[0, 10,
3, 5, 11, 12, 7]			
107	0.0%	[0, 1, 8, 5]	[0, 1, 8,
5]			
109	0.0%	[0, 10, 1, 5]	[0, 10,
1, 5]			
110	0.0%	[0, 1, 5, 11]	[0, 1, 5,
11]			
111	0.0%	[0, 1, 5, 12]	[0, 1, 5,
12]			
112	0.0%	[0, 1, 7, 6]	[0, 1, 7,
6]			
114	0.0%	[0, 1, 9, 6]	[0, 1, 9,
6]			
2401	0.0%	[0, 8, 3, 5, 11, 12, 9]	[0, 8, 3,
5, 11, 12, 9]			

116	0.0%	[0, 1, 11, 6]	[0, 1, 1
1, 6]			
117	0.0%	[0, 1, 12, 6]	[0, 1, 1
2, 6]			
118	0.0%	[0, 1, 8, 7]	[0, 1, 8,
7]			
119	0.0%	[0, 1, 7, 9]	[0, 1, 7,
9]			
120	0.0%	[0, 10, 1, 7]	[0, 10,
1, 7]			
121	0.0%	[0, 1, 7, 11]	[0, 1, 7,
11]			
122	0.0%	[0, 1, 7, 12]	[0, 1, 7,
12]			
123	0.0%	[0, 1, 8, 9]	[0, 1, 8,
9]			
124	0.0%	[0, 10, 8, 1]	[0, 10,
8, 1]			
2380	0.0%	[0, 8, 3, 5, 11, 9, 6]	[0, 8, 3,
5, 11, 9, 6]			
102	0.0%	[0, 10, 4, 1]	[0, 10,
4, 1]			
2381	0.0%	[0, 8, 3, 5, 12, 9, 6]	[0, 8, 3,
5, 12, 9, 6]			
2387	0.0%	[0, 3, 5, 11, 12, 9, 6]	[0, 3, 5,
11, 12, 9, 6]			
2392	0.0%	[0, 10, 8, 7, 3, 5, 11]	[0, 10,
8, 7, 3, 5, 11]			
83	0.0%	[0, 1, 8, 2]	[0, 1, 8,
2]			
85	0.0%	[0, 10, 1, 2]	[0, 10,
1, 2]			
86	0.0%	[0, 1, 2, 11]	[0, 1, 2,
11]			
87	0.0%	[0, 1, 2, 12]	[0, 1, 2,
12]			
88	0.0%	[0, 4, 1, 3]	[0, 4, 1,
3]			
89	0.0%	[0, 1, 3, 5]	[0, 1, 3,
5]			
91	0.0%	[0, 1, 7, 3]	[0, 1, 7,
3]			
100	0.0%	[0, 4, 1, 8]	[0, 4, 1,
8]			
92	0.0%	[0, 1, 8, 3]	[0, 1, 8,
3]			
94	0.0%	[0, 10, 1, 3]	[0, 10,
1, 3]			
95	0.0%	[0, 1, 3, 11]	[0, 1, 3,
11]			
96	0.0%	[0, 1, 3, 12]	[0, 1, 3,
12]			
2384	0.0%	[0, 8, 3, 5, 11, 12, 6]	[0, 8, 3,
5, 11, 12, 6]			
98	0.0%	[0, 4, 1, 6]	[0, 4, 1,
6]			
99	0.0%	[0, 4, 1, 7]	[0, 4, 1,

7]			
2367	0.0%	[0, 10, 4, 8, 3, 11, 12]	[0, 10,
4, 8, 3, 11, 12]			
2366	0.0%	[0, 4, 8, 3, 11, 12, 9]	[0, 4, 8,
3, 11, 12, 9]			
4028	0.0%	[0, 1, 4, 8, 3, 2, 5, 11, 12, 9, 6]	[0, 4, 1,
8, 3, 2, 5, 11, 12, 9, 6]			
161	0.0%	[0, 2, 11, 6]	[0, 2, 1
1, 6]			
152	0.0%	[0, 8, 2, 5]	[0, 8, 2,
5]			
153	0.0%	[0, 2, 5, 9]	[0, 2, 5,
9]			
154	0.0%	[0, 10, 2, 5]	[0, 10,
2, 5]			
2346	0.0%	[0, 4, 8, 3, 12, 9, 6]	[0, 4, 8,
3, 12, 9, 6]			
2345	0.0%	[0, 4, 8, 3, 11, 9, 6]	[0, 4, 8,
3, 11, 9, 6]			
159	0.0%	[0, 2, 9, 6]	[0, 2, 9,
6]			
2333	0.0%	[0, 10, 4, 5, 3, 11, 12]	[0, 10,
4, 5, 3, 11, 12]			
162	0.0%	[0, 2, 12, 6]	[0, 2, 1
2, 6]			
150	0.0%	[0, 2, 5, 6]	[0, 2, 5,
6]			
165	0.0%	[0, 10, 7, 2]	[0, 10,
7, 2]			
166	0.0%	[0, 7, 11, 2]	[0, 7, 1
1, 2]			
167	0.0%	[0, 7, 12, 2]	[0, 7, 1
2, 2]			
2329	0.0%	[0, 4, 8, 3, 5, 11, 12]	[0, 4, 8,
3, 5, 11, 12]			
169	0.0%	[0, 10, 8, 2]	[0, 10,
8, 2]			
170	0.0%	[0, 8, 2, 11]	[0, 8, 2,
11]			
171	0.0%	[0, 8, 2, 12]	[0, 8, 2,
12]			
151	0.0%	[0, 7, 2, 5]	[0, 7, 2,
5]			
149	0.0%	[0, 4, 2, 12]	[0, 4, 2,
12]			
128	0.0%	[0, 1, 11, 9]	[0, 1, 1
1, 9]			
136	0.0%	[0, 7, 3, 2]	[0, 7, 3,
2]			
129	0.0%	[0, 1, 12, 9]	[0, 1, 1
2, 9]			
130	0.0%	[0, 10, 1, 11]	[0, 10,
1, 11]			
131	0.0%	[0, 10, 1, 12]	[0, 10,
1, 12]			
132	0.0%	[0, 1, 11, 12]	[0, 1, 1
1, 12]			

133	0.0%	[0, 4, 3, 2]	[0, 4, 3, 2]
134	0.0%	[0, 3, 2, 5]	[0, 3, 2, 5]
2402	0.0%	[0, 10, 8, 3, 5, 11, 12]	[0, 10, 8, 3, 5, 11, 12]
137	0.0%	[0, 8, 3, 2]	[0, 8, 3, 2]
148	0.0%	[0, 4, 2, 11]	[0, 4, 2, 11]
139	0.0%	[0, 10, 3, 2]	[0, 10, 3, 2]
140	0.0%	[0, 3, 2, 11]	[0, 3, 2, 11]
141	0.0%	[0, 3, 2, 12]	[0, 3, 2, 12]
142	0.0%	[0, 4, 5, 2]	[0, 4, 5, 2]
145	0.0%	[0, 4, 8, 2]	[0, 4, 8, 2]
2416	0.0%	[0, 8, 3, 11, 12, 9, 6]	[0, 8, 3, 11, 12, 9, 6]
147	0.0%	[0, 10, 4, 2]	[0, 10, 4, 2]
80	0.0%	[0, 1, 2, 5]	[0, 1, 2, 5]
79	0.0%	[0, 4, 1, 2]	[0, 4, 1, 2]
78	0.0%	[0, 1, 3, 2]	[0, 1, 3, 2]
28	0.0%	[0, 8, 2]	[0, 8, 2]
21	0.0%	[0, 1, 11]	[0, 1, 11]
22	0.0%	[0, 1, 12]	[0, 1, 12]
23	0.0%	[0, 3, 2]	[0, 3, 2]
24	0.0%	[0, 4, 2]	[0, 4, 2]
25	0.0%	[0, 2, 5]	[0, 2, 5]
26	0.0%	[0, 2, 6]	[0, 2, 6]
27	0.0%	[0, 7, 2]	[0, 7, 2]
29	0.0%	[0, 2, 9]	[0, 2, 9]
19	0.0%	[0, 1, 9]	[0, 1, 9]
30	0.0%	[0, 10, 2]	[0, 10, 2]
31	0.0%	[0, 2, 11]	[0, 2, 11]
32	0.0%	[0, 2, 12]	[0, 2, 12]
33	0.0%	[0, 4, 3]	[0, 4, 3]
34	0.0%	[0, 3, 5]	[0, 3, 5]
35	0.0%	[0, 3, 6]	[0, 3, 6]
36	0.0%	[0, 7, 3]	[0, 7, 3]
20	0.0%	[0, 10, 1]	[0, 10, 1]
18	0.0%	[0, 1, 8]	[0, 1, 8]
38	0.0%	[0, 3, 9]	[0, 3, 9]
8	0.0%	[0, 9]	[0, 9]

1	0.0%	[0, 2]	[0, 2]
2	0.0%	[0, 3]	[0, 3]
3	0.0%	[0, 4]	[0, 4]
4	0.0%	[0, 5]	[0, 5]
5	0.0%	[0, 6]	[0, 6]
6	0.0%	[0, 7]	[0, 7]
7	0.0%	[0, 8]	[0, 8]
9	0.0%	[0, 10]	[0, 10]
17	0.0%	[0, 1, 7]	[0, 1, 7]
10	0.0%	[0, 11]	[0, 11]
11	0.0%	[0, 12]	[0, 12]
12	0.0%	[0, 1, 2]	[0, 1, 2]
13	0.0%	[0, 1, 3]	[0, 1, 3]
14	0.0%	[0, 4, 1]	[0, 4, 1]
15	0.0%	[0, 1, 5]	[0, 1, 5]
16	0.0%	[0, 1, 6]	[0, 1, 6]
37	0.0%	[0, 8, 3]	[0, 8, 3]
39	0.0%	[0, 10, 3]	[0, 10,
3]			
77	0.0%	[0, 11, 12]	[0, 11, 1
2]			
68	0.0%	[0, 8, 9]	[0, 8, 9]
61	0.0%	[0, 11, 6]	[0, 11,
6]			
62	0.0%	[0, 12, 6]	[0, 12,
6]			
63	0.0%	[0, 8, 7]	[0, 8, 7]
64	0.0%	[0, 7, 9]	[0, 7, 9]
65	0.0%	[0, 10, 7]	[0, 10,
7]			
66	0.0%	[0, 7, 11]	[0, 7, 1
1]			
67	0.0%	[0, 7, 12]	[0, 7, 1
2]			
69	0.0%	[0, 10, 8]	[0, 10,
8]			
59	0.0%	[0, 9, 6]	[0, 9, 6]
70	0.0%	[0, 8, 11]	[0, 8, 1
1]			
71	0.0%	[0, 8, 12]	[0, 8, 1
2]			
72	0.0%	[0, 10, 9]	[0, 10,
9]			
73	0.0%	[0, 11, 9]	[0, 11,
9]			
74	0.0%	[0, 12, 9]	[0, 12,
9]			
75	0.0%	[0, 10, 11]	[0, 10, 1
1]			
76	0.0%	[0, 10, 12]	[0, 10, 1
2]			
60	0.0%	[0, 10, 6]	[0, 10,
6]			
58	0.0%	[0, 8, 6]	[0, 8, 6]
40	0.0%	[0, 3, 11]	[0, 3, 1
1]			
48	0.0%	[0, 4, 11]	[0, 4, 1

1]			
41	0.0%	[0, 3, 12]	[0, 3, 1
2]			
42	0.0%	[0, 4, 5]	[0, 4, 5]
43	0.0%	[0, 4, 6]	[0, 4, 6]
44	0.0%	[0, 4, 7]	[0, 4, 7]
45	0.0%	[0, 4, 8]	[0, 4, 8]
46	0.0%	[0, 4, 9]	[0, 4, 9]
47	0.0%	[0, 10, 4]	[0, 10,
4]			
49	0.0%	[0, 4, 12]	[0, 4, 1
2]			
57	0.0%	[0, 7, 6]	[0, 7, 6]
50	0.0%	[0, 5, 6]	[0, 5, 6]
51	0.0%	[0, 7, 5]	[0, 7, 5]
52	0.0%	[0, 8, 5]	[0, 8, 5]
53	0.0%	[0, 5, 9]	[0, 5, 9]
54	0.0%	[0, 10, 5]	[0, 10,
5]			
55	0.0%	[0, 5, 11]	[0, 5, 1
1]			
56	0.0%	[0, 5, 12]	[0, 5, 1
2]			
173	0.0%	[0, 2, 11, 9]	[0, 2, 1
1, 9]			
174	0.0%	[0, 2, 12, 9]	[0, 2, 1
2, 9]			
175	0.0%	[0, 10, 11, 2]	[0, 10, 1
1, 2]			
302	0.0%	[0, 1, 8, 3, 2]	[0, 1, 8,
3, 2]			
609	0.0%	[0, 10, 4, 3, 12]	[0, 10,
4, 3, 12]			
296	0.0%	[0, 11, 12, 9]	[0, 11, 1
2, 9]			
297	0.0%	[0, 10, 11, 12]	[0, 10, 1
1, 12]			
298	0.0%	[0, 4, 1, 3, 2]	[0, 4, 1,
3, 2]			
299	0.0%	[0, 1, 3, 2, 5]	[0, 1, 3,
2, 5]			
2276	0.0%	[0, 10, 8, 2, 5, 11, 12]	[0, 10,
8, 2, 5, 11, 12]			
301	0.0%	[0, 1, 7, 3, 2]	[0, 1, 7,
3, 2]			
2275	0.0%	[0, 8, 2, 5, 11, 12, 9]	[0, 8, 2,
5, 11, 12, 9]			
294	0.0%	[0, 10, 9, 11]	[0, 10,
9, 11]			
304	0.0%	[0, 10, 1, 3, 2]	[0, 10,
1, 3, 2]			
305	0.0%	[0, 1, 3, 2, 11]	[0, 1, 3,
2, 11]			
306	0.0%	[0, 1, 3, 2, 12]	[0, 1, 3,
2, 12]			
2272	0.0%	[0, 10, 7, 11, 12, 2, 5]	[0, 10,
7, 11, 12, 2, 5]			

3928	0.0%	[0, 1, 4, 8, 3, 5, 11, 12, 9, 6]	[0, 4, 1,
8, 3, 5, 11, 12, 9, 6]			
310	0.0%	[0, 1, 4, 8, 2]	[0, 4, 1,
8, 2]			
312	0.0%	[0, 10, 4, 1, 2]	[0, 10,
4, 1, 2]			
295	0.0%	[0, 10, 9, 12]	[0, 10,
9, 12]			
293	0.0%	[0, 8, 11, 12]	[0, 8, 1
1, 12]			
314	0.0%	[0, 4, 1, 2, 12]	[0, 4, 1,
2, 12]			
280	0.0%	[0, 8, 7, 11]	[0, 8, 7,
11]			
273	0.0%	[0, 11, 9, 6]	[0, 11,
9, 6]			
274	0.0%	[0, 12, 9, 6]	[0, 12,
9, 6]			
275	0.0%	[0, 10, 6, 11]	[0, 10,
6, 11]			
276	0.0%	[0, 10, 6, 12]	[0, 10,
6, 12]			
277	0.0%	[0, 11, 12, 6]	[0, 11, 1
2, 6]			
278	0.0%	[0, 8, 7, 9]	[0, 8, 7,
9]			
279	0.0%	[0, 10, 8, 7]	[0, 10,
8, 7]			
281	0.0%	[0, 8, 7, 12]	[0, 8, 7,
12]			
292	0.0%	[0, 10, 8, 12]	[0, 10,
8, 12]			
2493	0.0%	[0, 8, 5, 11, 12, 9, 6]	[0, 8, 5,
11, 12, 9, 6]			
285	0.0%	[0, 10, 7, 11]	[0, 10,
7, 11]			
286	0.0%	[0, 10, 7, 12]	[0, 10,
7, 12]			
287	0.0%	[0, 7, 11, 12]	[0, 7, 1
1, 12]			
289	0.0%	[0, 8, 11, 9]	[0, 8, 1
1, 9]			
290	0.0%	[0, 8, 12, 9]	[0, 8, 1
2, 9]			
291	0.0%	[0, 10, 8, 11]	[0, 10,
8, 11]			
313	0.0%	[0, 4, 1, 2, 11]	[0, 4, 1,
2, 11]			
317	0.0%	[0, 1, 8, 2, 5]	[0, 1, 8,
2, 5]			
271	0.0%	[0, 8, 12, 6]	[0, 8, 1
2, 6]			
362	0.0%	[0, 1, 3, 11, 6]	[0, 1, 3,
11, 6]			
350	0.0%	[0, 4, 1, 3, 12]	[0, 4, 1,
3, 12]			
352	0.0%	[0, 1, 7, 3, 5]	[0, 1, 7,

3, 5]			
353	0.0%	[0, 1, 8, 3, 5]	[0, 1, 8,
3, 5]			
355	0.0%	[0, 10, 1, 3, 5]	[0, 10,
1, 3, 5]			
356	0.0%	[0, 1, 3, 5, 11]	[0, 1, 3,
5, 11]			
357	0.0%	[0, 1, 3, 5, 12]	[0, 1, 3,
5, 12]			
2241	0.0%	[0, 10, 4, 8, 2, 11, 12]	[0, 10,
4, 8, 2, 11, 12]			
363	0.0%	[0, 1, 3, 12, 6]	[0, 1, 3,
12, 6]			
348	0.0%	[0, 10, 4, 1, 3]	[0, 10,
4, 1, 3]			
364	0.0%	[0, 1, 8, 7, 3]	[0, 1, 8,
7, 3]			
2240	0.0%	[0, 4, 8, 2, 11, 12, 9]	[0, 4, 8,
2, 11, 12, 9]			
366	0.0%	[0, 10, 1, 7, 3]	[0, 10,
1, 7, 3]			
2513	0.0%	[0, 4, 1, 3, 2, 5, 11, 6]	[0, 4, 1,
3, 2, 5, 11, 6]			
3870	0.0%	[0, 10, 8, 7, 1, 3, 2, 5, 11, 12]	[0, 10,
8, 7, 1, 3, 2, 5, 11, 12]			
370	0.0%	[0, 10, 8, 1, 3]	[0, 10,
8, 1, 3]			
371	0.0%	[0, 1, 8, 3, 11]	[0, 1, 8,
3, 11]			
349	0.0%	[0, 4, 1, 3, 11]	[0, 4, 1,
3, 11]			
346	0.0%	[0, 1, 4, 8, 3]	[0, 4, 1,
8, 3]			
319	0.0%	[0, 10, 1, 2, 5]	[0, 10,
1, 2, 5]			
335	0.0%	[0, 1, 8, 2, 11]	[0, 1, 8,
2, 11]			
2267	0.0%	[0, 10, 8, 7, 12, 2, 5]	[0, 10,
8, 7, 12, 2, 5]			
2266	0.0%	[0, 10, 8, 7, 11, 2, 5]	[0, 10,
8, 7, 11, 2, 5]			
326	0.0%	[0, 1, 2, 11, 6]	[0, 1, 2,
11, 6]			
327	0.0%	[0, 1, 2, 12, 6]	[0, 1, 2,
12, 6]			
330	0.0%	[0, 10, 1, 7, 2]	[0, 10,
1, 7, 2]			
331	0.0%	[0, 1, 7, 11, 2]	[0, 1, 7,
11, 2]			
334	0.0%	[0, 10, 8, 1, 2]	[0, 10,
8, 1, 2]			
336	0.0%	[0, 1, 8, 2, 12]	[0, 1, 8,
2, 12]			
345	0.0%	[0, 4, 1, 7, 3]	[0, 4, 1,
7, 3]			
2254	0.0%	[0, 8, 2, 5, 11, 9, 6]	[0, 8, 2,
5, 11, 9, 6]			

338	0.0%	[0, 1, 2, 11, 9]	[0, 1, 2,
11, 9]			
339	0.0%	[0, 1, 2, 12, 9]	[0, 1, 2,
12, 9]			
340	0.0%	[0, 10, 1, 2, 11]	[0, 10,
1, 2, 11]			
341	0.0%	[0, 10, 1, 2, 12]	[0, 10,
1, 2, 12]			
342	0.0%	[0, 1, 2, 11, 12]	[0, 1, 2,
11, 12]			
2504	0.0%	[0, 8, 7, 11, 12, 9, 6]	[0, 8, 7,
11, 12, 9, 6]			
272	0.0%	[0, 10, 9, 6]	[0, 10,
9, 6]			
270	0.0%	[0, 8, 11, 6]	[0, 8, 1
1, 6]			
176	0.0%	[0, 10, 12, 2]	[0, 10, 1
2, 2]			
212	0.0%	[0, 10, 3, 12]	[0, 10,
3, 12]			
2443	0.0%	[0, 4, 5, 11, 12, 9, 6]	[0, 4, 5,
11, 12, 9, 6]			
205	0.0%	[0, 10, 8, 3]	[0, 10,
8, 3]			
206	0.0%	[0, 8, 3, 11]	[0, 8, 3,
11]			
207	0.0%	[0, 8, 3, 12]	[0, 8, 3,
12]			
209	0.0%	[0, 3, 11, 9]	[0, 3, 1
1, 9]			
210	0.0%	[0, 3, 12, 9]	[0, 3, 1
2, 9]			
211	0.0%	[0, 10, 3, 11]	[0, 10,
3, 11]			
213	0.0%	[0, 3, 11, 12]	[0, 3, 1
1, 12]			
2325	0.0%	[0, 4, 8, 3, 5, 11, 9]	[0, 4, 8,
3, 5, 11, 9]			
2461	0.0%	[0, 4, 8, 7, 11, 9, 6]	[0, 4, 8,
7, 11, 9, 6]			
3973	0.0%	[0, 4, 8, 3, 2, 5, 11, 12, 9, 6]	[0, 4, 8,
3, 2, 5, 11, 12, 9, 6]			
2310	0.0%	[0, 4, 5, 3, 12, 9, 6]	[0, 4, 5,
3, 12, 9, 6]			
218	0.0%	[0, 10, 4, 5]	[0, 10,
4, 5]			
219	0.0%	[0, 4, 5, 11]	[0, 4, 5,
11]			
220	0.0%	[0, 4, 5, 12]	[0, 4, 5,
12]			
221	0.0%	[0, 4, 7, 6]	[0, 4, 7,
6]			
201	0.0%	[0, 10, 3, 7]	[0, 10,
3, 7]			
199	0.0%	[0, 8, 7, 3]	[0, 8, 7,
3]			
223	0.0%	[0, 4, 9, 6]	[0, 4, 9,

6]			
186	0.0%	[0, 3, 5, 6]	[0, 3, 5,
6]			
177	0.0%	[0, 2, 11, 12]	[0, 2, 1
1, 12]			
178	0.0%	[0, 4, 5, 3]	[0, 4, 5,
3]			
180	0.0%	[0, 4, 7, 3]	[0, 4, 7,
3]			
181	0.0%	[0, 4, 8, 3]	[0, 4, 8,
3]			
183	0.0%	[0, 10, 4, 3]	[0, 10,
4, 3]			
184	0.0%	[0, 4, 3, 11]	[0, 4, 3,
11]			
185	0.0%	[0, 4, 3, 12]	[0, 4, 3,
12]			
187	0.0%	[0, 7, 3, 5]	[0, 7, 3,
5]			
198	0.0%	[0, 3, 12, 6]	[0, 3, 1
2, 6]			
188	0.0%	[0, 8, 3, 5]	[0, 8, 3,
5]			
190	0.0%	[0, 10, 3, 5]	[0, 10,
3, 5]			
191	0.0%	[0, 3, 5, 11]	[0, 3, 5,
11]			
192	0.0%	[0, 3, 5, 12]	[0, 3, 5,
12]			
2327	0.0%	[0, 10, 4, 8, 3, 5, 11]	[0, 10,
4, 8, 3, 5, 11]			
195	0.0%	[0, 3, 9, 6]	[0, 3, 9,
6]			
197	0.0%	[0, 3, 11, 6]	[0, 3, 1
1, 6]			
222	0.0%	[0, 4, 8, 6]	[0, 4, 8,
6]			
225	0.0%	[0, 4, 11, 6]	[0, 4, 1
1, 6]			
2290	0.0%	[0, 8, 2, 11, 12, 9, 6]	[0, 8, 2,
11, 12, 9, 6]			
260	0.0%	[0, 10, 11, 5]	[0, 10, 1
1, 5]			
251	0.0%	[0, 7, 11, 5]	[0, 7, 1
1, 5]			
252	0.0%	[0, 7, 12, 5]	[0, 7, 1
2, 5]			
254	0.0%	[0, 10, 8, 5]	[0, 10,
8, 5]			
255	0.0%	[0, 8, 5, 11]	[0, 8, 5,
11]			
256	0.0%	[0, 8, 5, 12]	[0, 8, 5,
12]			
258	0.0%	[0, 5, 11, 9]	[0, 5, 1
1, 9]			
259	0.0%	[0, 5, 12, 9]	[0, 5, 1
2, 9]			

261	0.0%	[0, 10, 12, 5]	[0, 10, 1
2, 5]			
2478	0.0%	[0, 10, 4, 8, 7, 11, 12]	[0, 10,
4, 8, 7, 11, 12]			
262	0.0%	[0, 5, 11, 12]	[0, 5, 1
1, 12]			
263	0.0%	[0, 8, 7, 6]	[0, 8, 7,
6]			
264	0.0%	[0, 7, 9, 6]	[0, 7, 9,
6]			
2296	0.0%	[0, 10, 8, 7, 11, 12, 2]	[0, 10,
8, 7, 11, 12, 2]			
266	0.0%	[0, 7, 11, 6]	[0, 7, 1
1, 6]			
267	0.0%	[0, 7, 12, 6]	[0, 7, 1
2, 6]			
268	0.0%	[0, 8, 9, 6]	[0, 8, 9,
6]			
250	0.0%	[0, 10, 7, 5]	[0, 10,
7, 5]			
2477	0.0%	[0, 4, 8, 7, 11, 12, 9]	[0, 4, 8,
7, 11, 12, 9]			
226	0.0%	[0, 4, 12, 6]	[0, 4, 1
2, 6]			
2306	0.0%	[0, 4, 8, 3, 5, 11, 6]	[0, 4, 8,
3, 5, 11, 6]			
227	0.0%	[0, 4, 8, 7]	[0, 4, 8,
7]			
228	0.0%	[0, 4, 7, 9]	[0, 4, 7,
9]			
229	0.0%	[0, 10, 4, 7]	[0, 10,
4, 7]			
230	0.0%	[0, 4, 7, 11]	[0, 4, 7,
11]			
231	0.0%	[0, 4, 7, 12]	[0, 4, 7,
12]			
2462	0.0%	[0, 4, 8, 7, 12, 9, 6]	[0, 4, 8,
7, 12, 9, 6]			
233	0.0%	[0, 10, 4, 8]	[0, 10,
4, 8]			
237	0.0%	[0, 4, 11, 9]	[0, 4, 1
1, 9]			
247	0.0%	[0, 5, 12, 6]	[0, 5, 1
2, 6]			
238	0.0%	[0, 4, 12, 9]	[0, 4, 1
2, 9]			
239	0.0%	[0, 10, 4, 11]	[0, 10,
4, 11]			
240	0.0%	[0, 10, 4, 12]	[0, 10,
4, 12]			
241	0.0%	[0, 4, 11, 12]	[0, 4, 1
1, 12]			
244	0.0%	[0, 5, 6, 9]	[0, 5, 6,
9]			
245	0.0%	[0, 10, 6, 5]	[0, 10,
6, 5]			
246	0.0%	[0, 5, 11, 6]	[0, 5, 1

1, 6]			
608	0.0%	[0, 10, 4, 3, 11]	[0, 10,
4, 3, 11]			
732	0.0%	[0, 10, 9, 6, 5]	[0, 10,
9, 6, 5]			
610	0.0%	[0, 4, 3, 11, 12]	[0, 4, 3,
11, 12]			
1180	0.0%	[0, 8, 3, 2, 12, 6]	[0, 8, 3,
2, 12, 6]			
1170	0.0%	[0, 10, 3, 2, 5, 12]	[0, 10,
3, 2, 5, 12]			
1171	0.0%	[0, 3, 2, 5, 11, 12]	[0, 3, 2,
5, 11, 12]			
1700	0.0%	[0, 4, 1, 2, 11, 9, 6]	[0, 4, 1,
2, 11, 9, 6]			
3288	0.0%	[0, 4, 8, 7, 11, 12, 9, 6]	[0, 4, 8,
7, 11, 12, 9, 6]			
1698	0.0%	[0, 1, 4, 8, 2, 12, 6]	[0, 4, 1,
8, 2, 12, 6]			
1697	0.0%	[0, 1, 4, 8, 2, 11, 6]	[0, 4, 1,
8, 2, 11, 6]			
1179	0.0%	[0, 8, 3, 2, 11, 6]	[0, 8, 3,
2, 11, 6]			
2923	0.0%	[0, 1, 4, 8, 7, 11, 9, 6]	[0, 4, 1,
8, 7, 11, 9, 6]			
1633	0.0%	[0, 1, 3, 2, 5, 11, 12]	[0, 1, 3,
2, 5, 11, 12]			
1182	0.0%	[0, 3, 2, 11, 9, 6]	[0, 3, 2,
11, 9, 6]			
1183	0.0%	[0, 3, 2, 12, 9, 6]	[0, 3, 2,
12, 9, 6]			
2924	0.0%	[0, 1, 4, 8, 7, 12, 9, 6]	[0, 4, 1,
8, 7, 12, 9, 6]			
1188	0.0%	[0, 10, 8, 7, 3, 2]	[0, 10,
8, 7, 3, 2]			
2939	0.0%	[0, 1, 4, 8, 7, 11, 12, 9]	[0, 4, 1,
8, 7, 11, 12, 9]			
2940	0.0%	[0, 10, 4, 1, 8, 7, 11, 12]	[0, 10,
4, 1, 8, 7, 11, 12]			
1194	0.0%	[0, 10, 3, 2, 7, 11]	[0, 10,
3, 2, 7, 11]			
1169	0.0%	[0, 10, 3, 2, 5, 11]	[0, 10,
3, 2, 5, 11]			
1168	0.0%	[0, 3, 2, 5, 12, 9]	[0, 3, 2,
5, 12, 9]			
1167	0.0%	[0, 3, 2, 5, 11, 9]	[0, 3, 2,
5, 11, 9]			
1701	0.0%	[0, 4, 1, 2, 12, 9, 6]	[0, 4, 1,
2, 12, 9, 6]			
1143	0.0%	[0, 4, 8, 3, 2, 11]	[0, 4, 8,
3, 2, 11]			
1144	0.0%	[0, 4, 8, 3, 2, 12]	[0, 4, 8,
3, 2, 12]			
1148	0.0%	[0, 10, 4, 3, 2, 11]	[0, 10,
4, 3, 2, 11]			
1149	0.0%	[0, 10, 4, 3, 2, 12]	[0, 10,
4, 3, 2, 12]			

1150	0.0%	[0, 4, 3, 2, 11, 12]	[0, 4, 3,
		2, 11, 12]	
3308	0.0%	[0, 1, 4, 8, 3, 2, 5, 11, 6]	[0, 4, 1,
		8, 3, 2, 5, 11, 6]	
1155	0.0%	[0, 3, 2, 5, 11, 6]	[0, 3, 2,
		5, 11, 6]	
1156	0.0%	[0, 3, 2, 5, 12, 6]	[0, 3, 2,
		5, 12, 6]	
1157	0.0%	[0, 8, 7, 3, 2, 5]	[0, 8, 7,
		3, 2, 5]	
1713	0.0%	[0, 10, 4, 1, 7, 12, 2]	[0, 10,
		4, 1, 7, 12, 2]	
1712	0.0%	[0, 10, 4, 1, 7, 11, 2]	[0, 10,
		4, 1, 7, 11, 2]	
2878	0.0%	[0, 1, 8, 3, 11, 12, 9, 6]	[0, 1, 8,
		3, 11, 12, 9, 6]	
1163	0.0%	[0, 10, 8, 3, 2, 5]	[0, 10,
		8, 3, 2, 5]	
1164	0.0%	[0, 8, 3, 2, 5, 11]	[0, 8, 3,
		2, 5, 11]	
1165	0.0%	[0, 8, 3, 2, 5, 12]	[0, 8, 3,
		2, 5, 12]	
1195	0.0%	[0, 10, 3, 2, 7, 12]	[0, 10,
		3, 2, 7, 12]	
1668	0.0%	[0, 10, 1, 3, 2, 11, 12]	[0, 10,
		1, 3, 2, 11, 12]	
1198	0.0%	[0, 8, 3, 2, 11, 9]	[0, 8, 3,
		2, 11, 9]	
1657	0.0%	[0, 10, 1, 7, 3, 2, 12]	[0, 10,
		1, 7, 3, 2, 12]	
1650	0.0%	[0, 10, 8, 7, 1, 3, 2]	[0, 10,
		8, 7, 1, 3, 2]	
1223	0.0%	[0, 4, 5, 2, 11, 9]	[0, 4, 5,
		2, 11, 9]	
1224	0.0%	[0, 4, 5, 2, 12, 9]	[0, 4, 5,
		2, 12, 9]	
1225	0.0%	[0, 10, 4, 5, 2, 11]	[0, 10,
		4, 5, 2, 11]	
1226	0.0%	[0, 10, 4, 5, 2, 12]	[0, 10,
		4, 5, 2, 12]	
1227	0.0%	[0, 4, 5, 2, 11, 12]	[0, 4, 5,
		2, 11, 12]	
2955	0.0%	[0, 1, 8, 5, 11, 12, 9, 6]	[0, 1, 8,
		5, 11, 12, 9, 6]	
1645	0.0%	[0, 1, 3, 2, 12, 9, 6]	[0, 1, 3,
		2, 12, 9, 6]	
1644	0.0%	[0, 1, 3, 2, 11, 9, 6]	[0, 1, 3,
		2, 11, 9, 6]	
1642	0.0%	[0, 1, 8, 3, 2, 12, 6]	[0, 1, 8,
		3, 2, 12, 6]	
1641	0.0%	[0, 1, 8, 3, 2, 11, 6]	[0, 1, 8,
		3, 2, 11, 6]	
2961	0.0%	[0, 10, 8, 7, 1, 5, 11, 12]	[0, 10,
		8, 7, 1, 5, 11, 12]	
1235	0.0%	[0, 4, 8, 2, 11, 6]	[0, 4, 8,
		2, 11, 6]	
1236	0.0%	[0, 4, 8, 2, 12, 6]	[0, 4, 8,

2, 12, 6]		
2966	0.0%	[0, 1, 8, 7, 11, 12, 9, 6]
7, 11, 12, 9, 6]		[0, 1, 8,
1656	0.0%	[0, 10, 1, 2, 3, 7, 11]
1, 7, 3, 2, 11]		[0, 10,
3249	0.0%	[0, 8, 3, 5, 11, 12, 9, 6]
5, 11, 12, 9, 6]		[0, 8, 3,
1199	0.0%	[0, 8, 3, 2, 12, 9]
2, 12, 9]		[0, 8, 3,
1658	0.0%	[0, 1, 2, 3, 7, 11, 12]
3, 2, 11, 12]		[0, 1, 7,
1200	0.0%	[0, 10, 8, 3, 2, 11]
8, 3, 2, 11]		[0, 10,
1201	0.0%	[0, 10, 8, 3, 2, 12]
8, 3, 2, 12]		[0, 10,
1202	0.0%	[0, 8, 3, 2, 11, 12]
2, 11, 12]		[0, 8, 3,
1667	0.0%	[0, 1, 3, 2, 11, 12, 9]
2, 11, 12, 9]		[0, 1, 3,
1664	0.0%	[0, 1, 8, 3, 2, 11, 12]
3, 2, 11, 12]		[0, 1, 8,
1205	0.0%	[0, 3, 2, 11, 12, 9]
11, 12, 9]		[0, 3, 2,
1206	0.0%	[0, 10, 3, 2, 11, 12]
3, 2, 11, 12]		[0, 10,
1663	0.0%	[0, 10, 8, 1, 3, 2, 12]
8, 1, 3, 2, 12]		[0, 10,
1662	0.0%	[0, 10, 8, 1, 3, 2, 11]
8, 1, 3, 2, 11]		[0, 10,
3255	0.0%	[0, 10, 8, 7, 3, 5, 11, 12]
8, 7, 3, 5, 11, 12]		[0, 10,
1211	0.0%	[0, 4, 5, 2, 11, 6]
2, 11, 6]		[0, 4, 5,
1212	0.0%	[0, 4, 5, 2, 12, 6]
2, 12, 6]		[0, 4, 5,
1661	0.0%	[0, 1, 8, 3, 2, 12, 9]
3, 2, 12, 9]		[0, 1, 8,
1660	0.0%	[0, 1, 8, 3, 2, 11, 9]
3, 2, 11, 9]		[0, 1, 8,
1215	0.0%	[0, 10, 4, 7, 2, 5]
4, 7, 2, 5]		[0, 10,
1142	0.0%	[0, 10, 4, 8, 3, 2]
4, 8, 3, 2]		[0, 10,
3311	0.0%	[0, 4, 1, 3, 2, 5, 11, 9, 6]
3, 2, 5, 11, 9, 6]		[0, 4, 1,
1140	0.0%	[0, 4, 7, 3, 2, 12]
3, 2, 12]		[0, 4, 7,
1061	0.0%	[0, 1, 8, 5, 12, 6]
5, 12, 6]		[0, 1, 8,
1064	0.0%	[0, 1, 5, 12, 9, 6]
12, 9, 6]		[0, 1, 5,
1751	0.0%	[0, 1, 8, 2, 5, 11, 9]
2, 5, 11, 9]		[0, 1, 8,
1067	0.0%	[0, 1, 5, 11, 12, 6]
11, 12, 6]		[0, 1, 5,
2854	0.0%	[0, 10, 8, 7, 1, 3, 5, 11]
8, 7, 1, 3, 5, 11]		[0, 10,

1069	0.0%	[0, 10, 8, 7, 1, 5]	[0, 10,
8, 7, 1, 5]			
1748	0.0%	[0, 10, 1, 7, 12, 2, 5]	[0, 10,
1, 7, 12, 2, 5]			
1747	0.0%	[0, 10, 1, 7, 11, 2, 5]	[0, 10,
1, 7, 11, 2, 5]			
1075	0.0%	[0, 10, 1, 7, 11, 5]	[0, 10,
1, 7, 11, 5]			
1076	0.0%	[0, 10, 1, 7, 12, 5]	[0, 10,
1, 7, 12, 5]			
1079	0.0%	[0, 1, 8, 5, 11, 9]	[0, 1, 8,
5, 11, 9]			
1080	0.0%	[0, 1, 8, 5, 12, 9]	[0, 1, 8,
5, 12, 9]			
1081	0.0%	[0, 10, 8, 1, 5, 11]	[0, 10,
8, 1, 5, 11]			
1082	0.0%	[0, 10, 8, 1, 5, 12]	[0, 10,
8, 1, 5, 12]			
1083	0.0%	[0, 1, 8, 5, 11, 12]	[0, 1, 8,
5, 11, 12]			
1741	0.0%	[0, 10, 8, 7, 1, 2, 5]	[0, 10,
8, 7, 1, 2, 5]			
1063	0.0%	[0, 1, 5, 11, 9, 6]	[0, 1, 5,
11, 9, 6]			
1060	0.0%	[0, 1, 8, 5, 11, 6]	[0, 1, 8,
5, 11, 6]			
1087	0.0%	[0, 10, 1, 5, 11, 12]	[0, 10,
1, 5, 11, 12]			
3365	0.0%	[0, 10, 4, 1, 2, 3, 7, 11, 12]	[0, 10,
4, 1, 7, 3, 2, 11, 12]			
2843	0.0%	[0, 1, 8, 3, 5, 12, 9, 6]	[0, 1, 8,
3, 5, 12, 9, 6]			
3383	0.0%	[0, 1, 8, 3, 2, 5, 12, 9, 6]	[0, 1, 8,
3, 2, 5, 12, 9, 6]			
1033	0.0%	[0, 1, 4, 8, 7, 9]	[0, 4, 1,
8, 7, 9]			
1034	0.0%	[0, 10, 4, 1, 8, 7]	[0, 10,
4, 1, 8, 7]			
1035	0.0%	[0, 1, 4, 8, 7, 11]	[0, 4, 1,
8, 7, 11]			
1036	0.0%	[0, 1, 4, 8, 7, 12]	[0, 4, 1,
8, 7, 12]			
3382	0.0%	[0, 1, 8, 3, 2, 5, 11, 9, 6]	[0, 1, 8,
3, 2, 5, 11, 9, 6]			
1040	0.0%	[0, 10, 4, 1, 7, 11]	[0, 10,
4, 1, 7, 11]			
1041	0.0%	[0, 10, 4, 1, 7, 12]	[0, 10,
4, 1, 7, 12]			
1042	0.0%	[0, 1, 4, 7, 11, 12]	[0, 4, 1,
7, 11, 12]			
1772	0.0%	[0, 1, 8, 2, 12, 9, 6]	[0, 1, 8,
2, 12, 9, 6]			
1771	0.0%	[0, 1, 8, 2, 11, 9, 6]	[0, 1, 8,
2, 11, 9, 6]			
2846	0.0%	[0, 1, 8, 3, 5, 11, 12, 6]	[0, 1, 8,
3, 5, 11, 12, 6]			
2849	0.0%	[0, 1, 3, 5, 11, 12, 9, 6]	[0, 1, 3,

5, 11, 12, 9, 6]		
1755 0.0%	[0, 1, 8, 2, 5, 11, 12]	[0, 1, 8,
2, 5, 11, 12]		
1086 0.0%	[0, 1, 5, 11, 12, 9]	[0, 1, 5,
11, 12, 9]		
1088 0.0%	[0, 1, 8, 7, 9, 6]	[0, 1, 8,
7, 9, 6]		
1139 0.0%	[0, 4, 7, 3, 2, 11]	[0, 4, 7,
3, 2, 11]		
2864 0.0%	[0, 10, 8, 1, 3, 5, 11, 12]	[0, 10,
8, 1, 3, 5, 11, 12]		
1121 0.0%	[0, 10, 8, 1, 11, 12]	[0, 10,
8, 1, 11, 12]		
1723 0.0%	[0, 4, 1, 2, 11, 12, 9]	[0, 4, 1,
2, 11, 12, 9]		
1124 0.0%	[0, 4, 7, 3, 2, 5]	[0, 4, 7,
3, 2, 5]		
1720 0.0%	[0, 1, 4, 8, 2, 11, 12]	[0, 4, 1,
8, 2, 11, 12]		
1719 0.0%	[0, 10, 4, 1, 8, 2, 12]	[0, 10,
4, 1, 8, 2, 12]		
1127 0.0%	[0, 10, 4, 5, 2, 3]	[0, 10,
4, 5, 2, 3]		
1128 0.0%	[0, 4, 5, 2, 3, 11]	[0, 4, 5,
2, 3, 11]		
1129 0.0%	[0, 4, 5, 2, 3, 12]	[0, 4, 5,
2, 3, 12]		
1718 0.0%	[0, 10, 4, 1, 8, 2, 11]	[0, 10,
4, 1, 8, 2, 11]		
1717 0.0%	[0, 1, 4, 8, 2, 12, 9]	[0, 4, 1,
8, 2, 12, 9]		
1716 0.0%	[0, 1, 4, 8, 2, 11, 9]	[0, 4, 1,
8, 2, 11, 9]		
1134 0.0%	[0, 4, 3, 2, 11, 6]	[0, 4, 3,
2, 11, 6]		
1135 0.0%	[0, 4, 3, 2, 12, 6]	[0, 4, 3,
2, 12, 6]		
1136 0.0%	[0, 4, 8, 7, 3, 2]	[0, 4, 8,
7, 3, 2]		
1138 0.0%	[0, 10, 4, 7, 3, 2]	[0, 10,
4, 7, 3, 2]		
1724 0.0%	[0, 10, 4, 1, 2, 11, 12]	[0, 10,
4, 1, 2, 11, 12]		
3327 0.0%	[0, 1, 4, 8, 3, 2, 5, 11, 9]	[0, 4, 1,
8, 3, 2, 5, 11, 9]		
3348 0.0%	[0, 1, 4, 8, 3, 2, 12, 9, 6]	[0, 4, 1,
8, 3, 2, 12, 9, 6]		
1117 0.0%	[0, 10, 1, 7, 11, 12]	[0, 10,
1, 7, 11, 12]		
1090 0.0%	[0, 1, 8, 7, 11, 6]	[0, 1, 8,
7, 11, 6]		
1091 0.0%	[0, 1, 8, 7, 12, 6]	[0, 1, 8,
7, 12, 6]		
3347 0.0%	[0, 1, 4, 8, 3, 2, 11, 9, 6]	[0, 4, 1,
8, 3, 2, 11, 9, 6]		
1093 0.0%	[0, 1, 7, 11, 9, 6]	[0, 1, 7,
11, 9, 6]		

1094	0.0%	[0, 1, 7, 12, 9, 6]	[0, 1, 7,
12, 9, 6]			
1732	0.0%	[0, 1, 8, 2, 5, 11, 6]	[0, 1, 8,
2, 5, 11, 6]			
3335	0.0%	[0, 10, 4, 1, 3, 2, 5, 11, 12]	[0, 10,
4, 1, 3, 2, 5, 11, 12]			
1106	0.0%	[0, 1, 11, 12, 9, 6]	[0, 1, 1
1, 12, 9, 6]			
3334	0.0%	[0, 4, 1, 3, 2, 5, 11, 12, 9]	[0, 4, 1,
3, 2, 5, 11, 12, 9]			
3331	0.0%	[0, 1, 4, 8, 3, 2, 5, 11, 12]	[0, 4, 1,
8, 3, 2, 5, 11, 12]			
1109	0.0%	[0, 1, 8, 7, 11, 9]	[0, 1, 8,
7, 11, 9]			
1110	0.0%	[0, 1, 8, 7, 12, 9]	[0, 1, 8,
7, 12, 9]			
1113	0.0%	[0, 1, 8, 7, 11, 12]	[0, 1, 8,
7, 11, 12]			
2863	0.0%	[0, 1, 8, 3, 5, 11, 12, 9]	[0, 1, 8,
3, 5, 11, 12, 9]			
1116	0.0%	[0, 1, 7, 11, 12, 9]	[0, 1, 7,
11, 12, 9]			
3228	0.0%	[0, 4, 8, 3, 11, 12, 9, 6]	[0, 4, 8,
3, 11, 12, 9, 6]			
1632	0.0%	[0, 10, 1, 3, 2, 5, 12]	[0, 10,
1, 3, 2, 5, 12]			
2096	0.0%	[0, 10, 4, 8, 3, 2, 11]	[0, 10,
4, 8, 3, 2, 11]			
1523	0.0%	[0, 10, 4, 7, 11, 12]	[0, 10,
4, 7, 11, 12]			
3017	0.0%	[0, 4, 8, 3, 2, 11, 9, 6]	[0, 4, 8,
3, 2, 11, 9, 6]			
3018	0.0%	[0, 4, 8, 3, 2, 12, 9, 6]	[0, 4, 8,
3, 2, 12, 9, 6]			
1396	0.0%	[0, 8, 3, 5, 11, 6]	[0, 8, 3,
5, 11, 6]			
1397	0.0%	[0, 8, 3, 5, 12, 6]	[0, 8, 3,
5, 12, 6]			
1399	0.0%	[0, 3, 5, 11, 9, 6]	[0, 3, 5,
11, 9, 6]			
1400	0.0%	[0, 3, 5, 12, 9, 6]	[0, 3, 5,
12, 9, 6]			
1403	0.0%	[0, 3, 5, 11, 12, 6]	[0, 3, 5,
11, 12, 6]			
1405	0.0%	[0, 10, 8, 7, 3, 5]	[0, 10,
8, 7, 3, 5]			
1631	0.0%	[0, 10, 1, 3, 2, 5, 11]	[0, 10,
1, 3, 2, 5, 11]			
3030	0.0%	[0, 10, 4, 3, 2, 8, 7, 12]	[0, 10,
4, 8, 7, 3, 2, 12]			
1519	0.0%	[0, 4, 8, 7, 11, 12]	[0, 4, 8,
7, 11, 12]			
1518	0.0%	[0, 10, 4, 8, 7, 12]	[0, 10,
4, 8, 7, 12]			
1411	0.0%	[0, 10, 3, 5, 11, 7]	[0, 10,
3, 5, 11, 7]			
1412	0.0%	[0, 10, 3, 5, 12, 7]	[0, 10,

3, 5, 12, 7]		
1517 0.0%	[0, 10, 4, 8, 7, 11]	[0, 10,
4, 8, 7, 11]		
1516 0.0%	[0, 4, 8, 7, 12, 9]	[0, 4, 8,
7, 12, 9]		
1540 0.0%	[0, 8, 5, 11, 9, 6]	[0, 8, 5,
11, 9, 6]		
1541 0.0%	[0, 8, 5, 12, 9, 6]	[0, 8, 5,
12, 9, 6]		
1388 0.0%	[0, 10, 4, 3, 11, 12]	[0, 10,
4, 3, 11, 12]		
3115 0.0%	[0, 4, 5, 2, 11, 12, 9, 6]	[0, 4, 5,
2, 11, 12, 9, 6]		
1561 0.0%	[0, 8, 5, 11, 12, 9]	[0, 8, 5,
11, 12, 9]		
1361 0.0%	[0, 4, 8, 3, 11, 6]	[0, 4, 8,
3, 11, 6]		
1362 0.0%	[0, 4, 8, 3, 12, 6]	[0, 4, 8,
3, 12, 6]		
3144 0.0%	[0, 4, 8, 2, 11, 12, 9, 6]	[0, 4, 8,
2, 11, 12, 9, 6]		
1370 0.0%	[0, 10, 4, 8, 7, 3]	[0, 10,
4, 8, 7, 3]		
3005 0.0%	[0, 10, 4, 5, 2, 3, 11, 12]	[0, 10,
4, 5, 2, 3, 11, 12]		
1553 0.0%	[0, 10, 8, 7, 12, 5]	[0, 10,
8, 7, 12, 5]		
1552 0.0%	[0, 10, 8, 7, 11, 5]	[0, 10,
8, 7, 11, 5]		
1547 0.0%	[0, 5, 11, 12, 9, 6]	[0, 5, 1
1, 12, 9, 6]		
1380 0.0%	[0, 4, 8, 3, 11, 9]	[0, 4, 8,
3, 11, 9]		
1381 0.0%	[0, 4, 8, 3, 12, 9]	[0, 4, 8,
3, 12, 9]		
1382 0.0%	[0, 10, 4, 8, 3, 11]	[0, 10,
4, 8, 3, 11]		
1383 0.0%	[0, 10, 4, 8, 3, 12]	[0, 10,
4, 8, 3, 12]		
1384 0.0%	[0, 4, 8, 3, 11, 12]	[0, 4, 8,
3, 11, 12]		
1544 0.0%	[0, 8, 5, 11, 12, 6]	[0, 8, 5,
11, 12, 6]		
1415 0.0%	[0, 8, 3, 5, 11, 9]	[0, 8, 3,
5, 11, 9]		
1416 0.0%	[0, 8, 3, 5, 12, 9]	[0, 8, 3,
5, 12, 9]		
1417 0.0%	[0, 10, 8, 3, 5, 11]	[0, 10,
8, 3, 5, 11]		
3053 0.0%	[0, 8, 3, 2, 5, 12, 9, 6]	[0, 8, 3,
2, 5, 12, 9, 6]		
1493 0.0%	[0, 10, 4, 5, 11, 12]	[0, 10,
4, 5, 11, 12]		
1492 0.0%	[0, 4, 5, 11, 12, 9]	[0, 4, 5,
11, 12, 9]		
3056 0.0%	[0, 8, 3, 2, 5, 11, 12, 6]	[0, 8, 3,
2, 5, 11, 12, 6]		

1482	0.0%	[0, 10, 4, 7, 12, 5]	[0, 10,
4, 7, 12, 5]			
1481	0.0%	[0, 10, 4, 7, 11, 5]	[0, 10,
4, 7, 11, 5]			
3059	0.0%	[0, 3, 2, 5, 11, 12, 9, 6]	[0, 3, 2,
5, 11, 12, 9, 6]			
1453	0.0%	[0, 10, 3, 7, 11, 12]	[0, 10,
3, 7, 11, 12]			
3064	0.0%	[0, 10, 8, 7, 3, 2, 5, 11]	[0, 10,
8, 7, 3, 2, 5, 11]			
1456	0.0%	[0, 8, 3, 11, 12, 9]	[0, 8, 3,
11, 12, 9]			
1457	0.0%	[0, 10, 8, 3, 11, 12]	[0, 10,
8, 3, 11, 12]			
1473	0.0%	[0, 4, 5, 11, 12, 6]	[0, 4, 5,
11, 12, 6]			
1470	0.0%	[0, 4, 5, 12, 9, 6]	[0, 4, 5,
12, 9, 6]			
3074	0.0%	[0, 10, 8, 3, 2, 5, 11, 12]	[0, 10,
8, 3, 2, 5, 11, 12]			
3073	0.0%	[0, 8, 3, 2, 5, 11, 12, 9]	[0, 8, 3,
2, 5, 11, 12, 9]			
1469	0.0%	[0, 4, 5, 11, 9, 6]	[0, 4, 5,
11, 9, 6]			
1494	0.0%	[0, 4, 8, 7, 9, 6]	[0, 4, 8,
7, 9, 6]			
1442	0.0%	[0, 3, 11, 12, 9, 6]	[0, 3, 1
1, 12, 9, 6]			
1418	0.0%	[0, 10, 8, 3, 5, 12]	[0, 10,
8, 3, 5, 12]			
1496	0.0%	[0, 4, 8, 7, 11, 6]	[0, 4, 8,
7, 11, 6]			
1419	0.0%	[0, 8, 3, 5, 11, 12]	[0, 8, 3,
5, 11, 12]			
1515	0.0%	[0, 4, 8, 7, 11, 9]	[0, 4, 8,
7, 11, 9]			
1422	0.0%	[0, 3, 5, 11, 12, 9]	[0, 3, 5,
11, 12, 9]			
1423	0.0%	[0, 10, 3, 5, 11, 12]	[0, 10,
3, 5, 11, 12]			
3094	0.0%	[0, 10, 8, 7, 3, 2, 11, 12]	[0, 10,
8, 7, 3, 2, 11, 12]			
3031	0.0%	[0, 4, 3, 2, 8, 7, 11, 12]	[0, 4, 8,
7, 3, 2, 11, 12]			
1512	0.0%	[0, 4, 11, 12, 9, 6]	[0, 4, 1
1, 12, 9, 6]			
3035	0.0%	[0, 10, 4, 7, 3, 2, 11, 12]	[0, 10,
4, 7, 3, 2, 11, 12]			
3038	0.0%	[0, 4, 8, 3, 2, 11, 12, 9]	[0, 4, 8,
3, 2, 11, 12, 9]			
3088	0.0%	[0, 8, 3, 2, 11, 12, 9, 6]	[0, 8, 3,
2, 11, 12, 9, 6]			
3039	0.0%	[0, 10, 4, 8, 3, 2, 11, 12]	[0, 10,
4, 8, 3, 2, 11, 12]			
1435	0.0%	[0, 8, 3, 11, 9, 6]	[0, 8, 3,
11, 9, 6]			
1436	0.0%	[0, 8, 3, 12, 9, 6]	[0, 8, 3,

12, 9, 6]		
3052	0.0%	[0, 8, 3, 2, 5, 11, 9, 6]
2, 5, 11, 9, 6]		[0, 8, 3,
1497	0.0%	[0, 4, 8, 7, 12, 6]
7, 12, 6]		[0, 4, 8,
1562	0.0%	[0, 10, 8, 5, 11, 12]
8, 5, 11, 12]		[0, 10,
3001	0.0%	[0, 4, 8, 3, 2, 5, 11, 12]
3, 2, 5, 11, 12]		[0, 4, 8,
1565	0.0%	[0, 8, 7, 11, 9, 6]
11, 9, 6]		[0, 8, 7,
1618	0.0%	[0, 1, 3, 2, 5, 12, 6]
2, 5, 12, 6]		[0, 1, 3,
1270	0.0%	[0, 8, 2, 5, 11, 6]
5, 11, 6]		[0, 8, 2,
1272	0.0%	[0, 10, 9, 6, 5, 2]
9, 6, 5, 2]		[0, 10,
1612	0.0%	[0, 4, 1, 3, 2, 11, 12]
3, 2, 11, 12]		[0, 4, 1,
1611	0.0%	[0, 10, 4, 1, 3, 2, 12]
4, 1, 3, 2, 12]		[0, 10,
1610	0.0%	[0, 10, 4, 1, 3, 2, 11]
4, 1, 3, 2, 11]		[0, 10,
1609	0.0%	[0, 4, 1, 3, 2, 12, 9]
3, 2, 12, 9]		[0, 4, 1,
1279	0.0%	[0, 10, 8, 7, 2, 5]
8, 7, 2, 5]		[0, 10,
1608	0.0%	[0, 4, 1, 3, 2, 11, 9]
3, 2, 11, 9]		[0, 4, 1,
2978	0.0%	[0, 4, 8, 3, 2, 5, 11, 6]
3, 2, 5, 11, 6]		[0, 4, 8,
1606	0.0%	[0, 1, 4, 8, 3, 2, 12]
8, 3, 2, 12]		[0, 4, 1,
1285	0.0%	[0, 10, 7, 11, 2, 5]
7, 11, 2, 5]		[0, 10,
1286	0.0%	[0, 10, 7, 12, 2, 5]
7, 12, 2, 5]		[0, 10,
1287	0.0%	[0, 7, 11, 12, 2, 5]
1, 12, 2, 5]		[0, 7, 1
1289	0.0%	[0, 8, 2, 5, 11, 9]
5, 11, 9]		[0, 8, 2,
1291	0.0%	[0, 10, 8, 2, 5, 11]
8, 2, 5, 11]		[0, 10,
1617	0.0%	[0, 1, 3, 2, 5, 11, 6]
2, 5, 11, 6]		[0, 1, 3,
1619	0.0%	[0, 1, 8, 7, 3, 2, 5]
7, 3, 2, 5]		[0, 1, 8,
1293	0.0%	[0, 8, 2, 5, 11, 12]
5, 11, 12]		[0, 8, 2,
1621	0.0%	[0, 10, 1, 7, 3, 2, 5]
1, 7, 3, 2, 5]		[0, 10,
1630	0.0%	[0, 1, 3, 2, 5, 12, 9]
2, 5, 12, 9]		[0, 1, 3,
1629	0.0%	[0, 1, 3, 2, 5, 11, 9]
2, 5, 11, 9]		[0, 1, 3,
1627	0.0%	[0, 1, 8, 3, 2, 5, 12]
3, 2, 5, 12]		[0, 1, 8,

1626	0.0%	[0, 1, 8, 3, 2, 5, 11]	[0, 1, 8,
3, 2, 5, 11]			
1250	0.0%	[0, 10, 4, 7, 11, 2]	[0, 10,
4, 7, 11, 2]			
1251	0.0%	[0, 10, 4, 7, 12, 2]	[0, 10,
4, 7, 12, 2]			
3214	0.0%	[0, 10, 4, 8, 3, 5, 11, 12]	[0, 10,
4, 8, 3, 5, 11, 12]			
1254	0.0%	[0, 4, 8, 2, 11, 9]	[0, 4, 8,
2, 11, 9]			
1255	0.0%	[0, 4, 8, 2, 12, 9]	[0, 4, 8,
2, 12, 9]			
1256	0.0%	[0, 10, 4, 8, 2, 11]	[0, 10,
4, 8, 2, 11]			
1257	0.0%	[0, 10, 4, 8, 2, 12]	[0, 10,
4, 8, 2, 12]			
1258	0.0%	[0, 4, 8, 2, 11, 12]	[0, 4, 8,
2, 11, 12]			
3213	0.0%	[0, 4, 8, 3, 5, 11, 12, 9]	[0, 4, 8,
3, 5, 11, 12, 9]			
1625	0.0%	[0, 10, 8, 1, 3, 2, 5]	[0, 10,
8, 1, 3, 2, 5]			
1262	0.0%	[0, 10, 4, 2, 11, 12]	[0, 10,
4, 2, 11, 12]			
1605	0.0%	[0, 1, 4, 8, 3, 2, 11]	[0, 4, 1,
8, 3, 2, 11]			
1297	0.0%	[0, 10, 11, 12, 2, 5]	[0, 10, 1
1, 12, 2, 5]			
1353	0.0%	[0, 4, 5, 3, 11, 12]	[0, 4, 5,
3, 11, 12]			
1327	0.0%	[0, 10, 7, 11, 12, 2]	[0, 10,
7, 11, 12, 2]			
1578	0.0%	[0, 10, 9, 6, 11, 12]	[0, 10,
9, 6, 11, 12]			
1330	0.0%	[0, 8, 2, 11, 12, 9]	[0, 8, 2,
11, 12, 9]			
1331	0.0%	[0, 10, 8, 2, 11, 12]	[0, 10,
8, 2, 11, 12]			
1576	0.0%	[0, 8, 11, 12, 9, 6]	[0, 8, 1
1, 12, 9, 6]			
1573	0.0%	[0, 10, 6, 7, 11, 12]	[0, 10,
6, 7, 11, 12]			
1337	0.0%	[0, 4, 5, 3, 11, 6]	[0, 4, 5,
3, 11, 6]			
1338	0.0%	[0, 4, 5, 3, 12, 6]	[0, 4, 5,
3, 12, 6]			
3165	0.0%	[0, 8, 2, 5, 11, 12, 9, 6]	[0, 8, 2,
5, 11, 12, 9, 6]			
1341	0.0%	[0, 10, 4, 7, 3, 5]	[0, 10,
4, 7, 3, 5]			
2999	0.0%	[0, 10, 4, 8, 3, 2, 5, 11]	[0, 10,
4, 8, 3, 2, 5, 11]			
1346	0.0%	[0, 4, 8, 3, 5, 11]	[0, 4, 8,
3, 5, 11]			
1566	0.0%	[0, 8, 7, 12, 9, 6]	[0, 8, 7,
12, 9, 6]			
1350	0.0%	[0, 4, 5, 3, 12, 9]	[0, 4, 5,

3, 12, 9]		
1351	0.0%	[0, 10, 4, 5, 3, 11]
4, 5, 3, 11]		[0, 10,
1352	0.0%	[0, 10, 4, 5, 3, 12]
4, 5, 3, 12]		[0, 10,
3171	0.0%	[0, 10, 8, 7, 11, 12, 2, 5]
8, 7, 11, 12, 2, 5]		[0, 10,
2997	0.0%	[0, 4, 8, 3, 2, 5, 11, 9]
3, 2, 5, 11, 9]		[0, 4, 8,
3192	0.0%	[0, 4, 8, 3, 5, 11, 9, 6]
3, 5, 11, 9, 6]		[0, 4, 8,
1322	0.0%	[0, 10, 8, 7, 12, 2]
8, 7, 12, 2]		[0, 10,
1602	0.0%	[0, 1, 4, 7, 3, 2, 12]
7, 3, 2, 12]		[0, 4, 1,
1601	0.0%	[0, 4, 1, 7, 3, 2, 11]
7, 3, 2, 11]		[0, 4, 1,
1600	0.0%	[0, 10, 4, 1, 7, 3, 2]
4, 1, 7, 3, 2]		[0, 10,
1598	0.0%	[0, 4, 1, 8, 7, 3, 2]
8, 7, 3, 2]		[0, 4, 1,
1597	0.0%	[0, 4, 1, 3, 2, 12, 6]
3, 2, 12, 6]		[0, 4, 1,
1596	0.0%	[0, 4, 1, 3, 2, 11, 6]
3, 2, 11, 6]		[0, 4, 1,
1309	0.0%	[0, 8, 2, 11, 9, 6]
11, 9, 6]		[0, 8, 2,
1310	0.0%	[0, 8, 2, 12, 9, 6]
12, 9, 6]		[0, 8, 2,
2982	0.0%	[0, 4, 5, 2, 3, 12, 9, 6]
2, 3, 12, 9, 6]		[0, 4, 5,
1590	0.0%	[0, 4, 1, 3, 2, 5, 11]
3, 2, 5, 11]		[0, 4, 1,
1316	0.0%	[0, 2, 11, 12, 9, 6]
1, 12, 9, 6]		[0, 2, 1
1583	0.0%	[0, 10, 9, 7, 11, 12]
9, 7, 11, 12]		[0, 10,
1582	0.0%	[0, 10, 8, 7, 11, 12]
8, 7, 11, 12]		[0, 10,
1581	0.0%	[0, 8, 7, 11, 12, 9]
11, 12, 9]		[0, 8, 7,
1321	0.0%	[0, 10, 8, 7, 11, 2]
8, 7, 11, 2]		[0, 10,
1778	0.0%	[0, 1, 2, 11, 12, 9, 6]
11, 12, 9, 6]		[0, 1, 2,
2842	0.0%	[0, 1, 8, 3, 5, 11, 9, 6]
3, 5, 11, 9, 6]		[0, 1, 8,
1783	0.0%	[0, 10, 8, 7, 1, 2, 11]
8, 7, 1, 2, 11]		[0, 10,
746	0.0%	[0, 10, 7, 12, 5]
7, 12, 5]		[0, 10,
2009	0.0%	[0, 1, 5, 11, 12, 9, 6]
11, 12, 9, 6]		[0, 1, 5,
737	0.0%	[0, 5, 11, 12, 6]
1, 12, 6]		[0, 5, 1
2006	0.0%	[0, 1, 8, 5, 11, 12, 6]
5, 11, 12, 6]		[0, 1, 8,

739	0.0%	[0, 10, 8, 7, 5]	[0, 10,
8, 7, 5]			
2003	0.0%	[0, 1, 8, 5, 12, 9, 6]	[0, 1, 8,
5, 12, 9, 6]			
2002	0.0%	[0, 1, 8, 5, 11, 9, 6]	[0, 1, 8,
5, 11, 9, 6]			
745	0.0%	[0, 10, 7, 11, 5]	[0, 10,
7, 11, 5]			
1985	0.0%	[0, 10, 4, 1, 7, 11, 12]	[0, 10,
4, 1, 7, 11, 12]			
3386	0.0%	[0, 1, 8, 3, 2, 5, 11, 12, 6]	[0, 1, 8,
3, 2, 5, 11, 12, 6]			
749	0.0%	[0, 8, 5, 11, 9]	[0, 8, 5,
11, 9]			
750	0.0%	[0, 8, 5, 12, 9]	[0, 8, 5,
12, 9]			
751	0.0%	[0, 10, 8, 5, 11]	[0, 10,
8, 5, 11]			
752	0.0%	[0, 10, 8, 5, 12]	[0, 10,
8, 5, 12]			
753	0.0%	[0, 8, 5, 11, 12]	[0, 8, 5,
11, 12]			
756	0.0%	[0, 5, 11, 12, 9]	[0, 5, 1
1, 12, 9]			
758	0.0%	[0, 8, 7, 9, 6]	[0, 8, 7,
9, 6]			
734	0.0%	[0, 5, 12, 9, 6]	[0, 5, 1
2, 9, 6]			
733	0.0%	[0, 5, 11, 9, 6]	[0, 5, 1
1, 9, 6]			
731	0.0%	[0, 8, 5, 12, 6]	[0, 8, 5,
12, 6]			
730	0.0%	[0, 8, 5, 11, 6]	[0, 8, 5,
11, 6]			
710	0.0%	[0, 10, 4, 7, 11]	[0, 10,
4, 7, 11]			
711	0.0%	[0, 10, 4, 7, 12]	[0, 10,
4, 7, 12]			
712	0.0%	[0, 4, 7, 11, 12]	[0, 4, 7,
11, 12]			
2629	0.0%	[0, 10, 1, 2, 3, 7, 11, 12]	[0, 10,
1, 7, 3, 2, 11, 12]			
2034	0.0%	[0, 1, 7, 11, 12, 9, 6]	[0, 1, 7,
11, 12, 9, 6]			
3585	0.0%	[0, 10, 8, 7, 1, 3, 5, 11, 12]	[0, 10,
8, 7, 1, 3, 5, 11, 12]			
2633	0.0%	[0, 10, 8, 1, 3, 2, 11, 12]	[0, 10,
8, 1, 3, 2, 11, 12]			
2028	0.0%	[0, 1, 8, 7, 12, 9, 6]	[0, 1, 8,
7, 12, 9, 6]			
721	0.0%	[0, 4, 11, 12, 9]	[0, 4, 1
1, 12, 9]			
722	0.0%	[0, 10, 4, 11, 12]	[0, 10,
4, 11, 12]			
3579	0.0%	[0, 1, 8, 3, 5, 11, 12, 9, 6]	[0, 1, 8,
3, 5, 11, 12, 9, 6]			
2027	0.0%	[0, 1, 8, 7, 11, 9, 6]	[0, 1, 8,

7, 11, 9, 6]		
2024	0.0%	[0, 10, 8, 1, 5, 11, 12]
8, 1, 5, 11, 12]		[0, 10,
2023	0.0%	[0, 1, 8, 5, 11, 12, 9]
5, 11, 12, 9]		[0, 1, 8,
2014	0.0%	[0, 10, 8, 7, 1, 5, 11]
8, 7, 1, 5, 11]		[0, 10,
3558	0.0%	[0, 1, 4, 8, 3, 11, 12, 9, 6]
8, 3, 11, 12, 9, 6]		[0, 4, 1,
760	0.0%	[0, 8, 7, 11, 6]
11, 6]		[0, 8, 7,
761	0.0%	[0, 8, 7, 12, 6]
12, 6]		[0, 8, 7,
785	0.0%	[0, 10, 9, 7, 12]
9, 7, 12]		[0, 10,
787	0.0%	[0, 10, 7, 11, 12]
7, 11, 12]		[0, 10,
2682	0.0%	[0, 1, 4, 8, 2, 12, 9, 6]
8, 2, 12, 9, 6]		[0, 4, 1,
790	0.0%	[0, 8, 11, 12, 9]
1, 12, 9]		[0, 8, 1
791	0.0%	[0, 10, 8, 11, 12]
8, 11, 12]		[0, 10,
792	0.0%	[0, 10, 9, 11, 12]
9, 11, 12]		[0, 10,
2688	0.0%	[0, 4, 1, 2, 11, 12, 9, 6]
2, 11, 12, 9, 6]		[0, 4, 1,
795	0.0%	[0, 4, 1, 7, 3, 2]
7, 3, 2]		[0, 4, 1,
796	0.0%	[0, 1, 4, 8, 3, 2]
8, 3, 2]		[0, 4, 1,
798	0.0%	[0, 10, 4, 1, 3, 2]
4, 1, 3, 2]		[0, 10,
799	0.0%	[0, 4, 1, 3, 2, 11]
3, 2, 11]		[0, 4, 1,
800	0.0%	[0, 4, 1, 3, 2, 12]
3, 2, 12]		[0, 4, 1,
802	0.0%	[0, 1, 7, 3, 2, 5]
3, 2, 5]		[0, 1, 7,
803	0.0%	[0, 1, 8, 3, 2, 5]
3, 2, 5]		[0, 1, 8,
805	0.0%	[0, 10, 1, 3, 2, 5]
1, 3, 2, 5]		[0, 10,
806	0.0%	[0, 1, 3, 2, 5, 11]
2, 5, 11]		[0, 1, 3,
2681	0.0%	[0, 1, 4, 8, 2, 11, 9, 6]
8, 2, 11, 9, 6]		[0, 4, 1,
784	0.0%	[0, 10, 9, 7, 11]
9, 7, 11]		[0, 10,
1981	0.0%	[0, 1, 4, 8, 7, 11, 12]
8, 7, 11, 12]		[0, 4, 1,
783	0.0%	[0, 8, 7, 11, 12]
11, 12]		[0, 8, 7,
765	0.0%	[0, 10, 6, 7, 11]
6, 7, 11]		[0, 10,
766	0.0%	[0, 10, 6, 7, 12]
6, 7, 12]		[0, 10,

1980	0.0%	[0, 10, 4, 1, 8, 7, 12]	[0, 10,
4, 1, 8, 7, 12]			
769	0.0%	[0, 8, 11, 9, 6]	[0, 8, 1
1, 9, 6]			
770	0.0%	[0, 8, 12, 9, 6]	[0, 8, 1
2, 9, 6]			
1979	0.0%	[0, 10, 4, 1, 8, 7, 11]	[0, 10,
4, 1, 8, 7, 11]			
1978	0.0%	[0, 1, 4, 8, 7, 12, 9]	[0, 4, 1,
8, 7, 12, 9]			
774	0.0%	[0, 10, 9, 6, 11]	[0, 10,
9, 6, 11]			
776	0.0%	[0, 11, 12, 9, 6]	[0, 11, 1
2, 9, 6]			
777	0.0%	[0, 10, 6, 11, 12]	[0, 10,
6, 11, 12]			
1977	0.0%	[0, 1, 4, 8, 7, 11, 9]	[0, 4, 1,
8, 7, 11, 9]			
779	0.0%	[0, 8, 7, 11, 9]	[0, 8, 7,
11, 9]			
780	0.0%	[0, 8, 7, 12, 9]	[0, 8, 7,
12, 9]			
781	0.0%	[0, 10, 8, 7, 11]	[0, 10,
8, 7, 11]			
782	0.0%	[0, 10, 8, 7, 12]	[0, 10,
8, 7, 12]			
2624	0.0%	[0, 10, 8, 7, 1, 3, 2, 12]	[0, 10,
8, 7, 1, 3, 2, 12]			
706	0.0%	[0, 4, 8, 7, 12]	[0, 4, 8,
7, 12]			
705	0.0%	[0, 4, 8, 7, 11]	[0, 4, 8,
7, 11]			
631	0.0%	[0, 3, 5, 11, 12]	[0, 3, 5,
11, 12]			
2084	0.0%	[0, 10, 4, 8, 7, 3, 2]	[0, 10,
4, 8, 7, 3, 2]			
2593	0.0%	[0, 10, 8, 1, 3, 2, 5, 11]	[0, 10,
8, 1, 3, 2, 5, 11]			
3678	0.0%	[0, 4, 8, 3, 2, 11, 12, 9, 6]	[0, 4, 8,
3, 2, 11, 12, 9, 6]			
639	0.0%	[0, 8, 3, 11, 6]	[0, 8, 3,
11, 6]			
640	0.0%	[0, 8, 3, 12, 6]	[0, 8, 3,
12, 6]			
642	0.0%	[0, 3, 11, 9, 6]	[0, 3, 1
1, 9, 6]			
643	0.0%	[0, 3, 12, 9, 6]	[0, 3, 1
2, 9, 6]			
2594	0.0%	[0, 10, 8, 1, 3, 2, 5, 12]	[0, 10,
8, 1, 3, 2, 5, 12]			
2595	0.0%	[0, 1, 8, 3, 2, 5, 11, 12]	[0, 1, 8,
3, 2, 5, 11, 12]			
648	0.0%	[0, 10, 8, 7, 3]	[0, 10,
8, 7, 3]			
2076	0.0%	[0, 4, 8, 3, 2, 12, 6]	[0, 4, 8,
3, 2, 12, 6]			
2075	0.0%	[0, 4, 8, 3, 2, 11, 6]	[0, 4, 8,

3, 2, 11, 6]		
3664	0.0%	[0, 10, 4, 8, 3, 2, 5, 11, 12]
4, 8, 3, 2, 5, 11, 12]		
3663	0.0%	[0, 4, 8, 3, 2, 5, 11, 12, 9]
3, 2, 5, 11, 12, 9]		
654	0.0%	[0, 10, 3, 7, 11]
3, 7, 11]		
2085	0.0%	[0, 4, 3, 2, 8, 7, 11]
7, 3, 2, 11]		
630	0.0%	[0, 10, 3, 5, 12]
3, 5, 12]		
2598	0.0%	[0, 1, 3, 2, 5, 11, 12, 9]
2, 5, 11, 12, 9]		
629	0.0%	[0, 10, 3, 5, 11]
3, 5, 11]		
2095	0.0%	[0, 4, 8, 3, 2, 12, 9]
3, 2, 12, 9]		
615	0.0%	[0, 3, 5, 11, 6]
11, 6]		
616	0.0%	[0, 3, 5, 12, 6]
12, 6]		
617	0.0%	[0, 8, 7, 3, 5]
3, 5]		
2094	0.0%	[0, 4, 8, 3, 2, 11, 9]
3, 2, 11, 9]		
2591	0.0%	[0, 1, 8, 3, 2, 5, 11, 9]
3, 2, 5, 11, 9]		
2092	0.0%	[0, 4, 7, 3, 2, 11, 12]
3, 2, 11, 12]		
2091	0.0%	[0, 10, 4, 7, 3, 2, 12]
4, 7, 3, 2, 12]		
2090	0.0%	[0, 10, 4, 7, 3, 2, 11]
4, 7, 3, 2, 11]		
623	0.0%	[0, 10, 8, 3, 5]
8, 3, 5]		
624	0.0%	[0, 8, 3, 5, 11]
5, 11]		
625	0.0%	[0, 8, 3, 5, 12]
5, 12]		
2592	0.0%	[0, 1, 8, 3, 2, 5, 12, 9]
3, 2, 5, 12, 9]		
627	0.0%	[0, 3, 5, 11, 9]
11, 9]		
628	0.0%	[0, 3, 5, 12, 9]
12, 9]		
655	0.0%	[0, 10, 3, 7, 12]
3, 7, 12]		
658	0.0%	[0, 8, 3, 11, 9]
11, 9]		
704	0.0%	[0, 10, 4, 8, 7]
4, 8, 7]		
683	0.0%	[0, 4, 5, 11, 9]
11, 9]		
685	0.0%	[0, 10, 4, 5, 11]
4, 5, 11]		
686	0.0%	[0, 10, 4, 5, 12]
4, 5, 12]		

687	0.0%	[0, 4, 5, 11, 12]	[0, 4, 5,
11, 12]			
688	0.0%	[0, 4, 8, 7, 6]	[0, 4, 8,
7, 6]			
689	0.0%	[0, 4, 7, 9, 6]	[0, 4, 7,
9, 6]			
2052	0.0%	[0, 4, 5, 2, 3, 12, 6]	[0, 4, 5,
2, 3, 12, 6]			
691	0.0%	[0, 4, 7, 11, 6]	[0, 4, 7,
11, 6]			
2051	0.0%	[0, 4, 5, 2, 3, 11, 6]	[0, 4, 5,
2, 3, 11, 6]			
2618	0.0%	[0, 1, 3, 2, 11, 12, 9, 6]	[0, 1, 3,
2, 11, 12, 9, 6]			
2043	0.0%	[0, 1, 8, 7, 11, 12, 9]	[0, 1, 8,
7, 11, 12, 9]			
2623	0.0%	[0, 10, 8, 7, 1, 3, 2, 11]	[0, 10,
8, 7, 1, 3, 2, 11]			
698	0.0%	[0, 4, 11, 9, 6]	[0, 4, 1
1, 9, 6]			
699	0.0%	[0, 4, 12, 9, 6]	[0, 4, 1
2, 9, 6]			
3618	0.0%	[0, 1, 4, 8, 7, 11, 12, 9, 6]	[0, 4, 1,
8, 7, 11, 12, 9, 6]			
703	0.0%	[0, 4, 8, 7, 9]	[0, 4, 8,
7, 9]			
684	0.0%	[0, 4, 5, 12, 9]	[0, 4, 5,
12, 9]			
2612	0.0%	[0, 1, 8, 3, 2, 12, 9, 6]	[0, 1, 8,
3, 2, 12, 9, 6]			
659	0.0%	[0, 8, 3, 12, 9]	[0, 8, 3,
12, 9]			
2055	0.0%	[0, 10, 4, 7, 3, 2, 5]	[0, 10,
4, 7, 3, 2, 5]			
660	0.0%	[0, 10, 8, 3, 11]	[0, 10,
8, 3, 11]			
661	0.0%	[0, 10, 8, 3, 12]	[0, 10,
8, 3, 12]			
662	0.0%	[0, 8, 3, 11, 12]	[0, 8, 3,
11, 12]			
2599	0.0%	[0, 10, 1, 3, 2, 5, 11, 12]	[0, 10,
1, 3, 2, 5, 11, 12]			
665	0.0%	[0, 3, 11, 12, 9]	[0, 3, 1
1, 12, 9]			
666	0.0%	[0, 10, 3, 11, 12]	[0, 10,
3, 11, 12]			
2067	0.0%	[0, 4, 5, 2, 3, 11, 12]	[0, 4, 5,
2, 3, 11, 12]			
2066	0.0%	[0, 10, 4, 5, 2, 3, 12]	[0, 10,
4, 5, 2, 3, 12]			
2065	0.0%	[0, 10, 4, 5, 2, 3, 11]	[0, 10,
4, 5, 2, 3, 11]			
2064	0.0%	[0, 4, 5, 2, 3, 12, 9]	[0, 4, 5,
2, 3, 12, 9]			
671	0.0%	[0, 4, 5, 11, 6]	[0, 4, 5,
11, 6]			
672	0.0%	[0, 4, 5, 12, 6]	[0, 4, 5,

12, 6]		
3642	0.0%	[0, 4, 8, 3, 2, 5, 11, 9, 6]
3, 2, 5, 11, 9, 6]		[0, 4, 8,
2060	0.0%	[0, 4, 8, 3, 2, 5, 11]
3, 2, 5, 11]		[0, 4, 8,
2611	0.0%	[0, 1, 8, 3, 2, 11, 9, 6]
3, 2, 11, 9, 6]		[0, 1, 8,
807	0.0%	[0, 1, 3, 2, 5, 12]
2, 5, 12]		[0, 1, 3,
3543	0.0%	[0, 1, 4, 8, 3, 5, 11, 12, 9]
8, 3, 5, 11, 12, 9]		[0, 4, 1,
2699	0.0%	[0, 10, 4, 1, 7, 11, 12, 2]
4, 1, 7, 11, 12, 2]		[0, 10,
1849	0.0%	[0, 4, 1, 3, 11, 12, 9]
3, 11, 12, 9]		[0, 4, 1,
953	0.0%	[0, 10, 8, 1, 3, 5]
8, 1, 3, 5]		[0, 10,
954	0.0%	[0, 1, 8, 3, 5, 11]
3, 5, 11]		[0, 1, 8,
955	0.0%	[0, 1, 8, 3, 5, 12]
3, 5, 12]		[0, 1, 8,
1846	0.0%	[0, 1, 4, 8, 3, 11, 12]
8, 3, 11, 12]		[0, 4, 1,
957	0.0%	[0, 1, 3, 5, 11, 9]
5, 11, 9]		[0, 1, 3,
958	0.0%	[0, 1, 3, 5, 12, 9]
5, 12, 9]		[0, 1, 3,
959	0.0%	[0, 10, 1, 3, 5, 11]
1, 3, 5, 11]		[0, 10,
960	0.0%	[0, 10, 1, 3, 5, 12]
1, 3, 5, 12]		[0, 10,
961	0.0%	[0, 1, 3, 5, 11, 12]
5, 11, 12]		[0, 1, 3,
1843	0.0%	[0, 1, 4, 8, 3, 12, 9]
8, 3, 12, 9]		[0, 4, 1,
1842	0.0%	[0, 1, 4, 8, 3, 11, 9]
8, 3, 11, 9]		[0, 4, 1,
3424	0.0%	[0, 10, 8, 7, 1, 3, 2, 11, 12]
8, 7, 1, 3, 2, 11, 12]		[0, 10,
969	0.0%	[0, 1, 8, 3, 11, 6]
3, 11, 6]		[0, 1, 8,
970	0.0%	[0, 1, 8, 3, 12, 6]
3, 12, 6]		[0, 1, 8,
972	0.0%	[0, 1, 3, 11, 9, 6]
11, 9, 6]		[0, 1, 3,
2787	0.0%	[0, 1, 4, 8, 3, 5, 11, 9]
8, 3, 5, 11, 9]		[0, 4, 1,
949	0.0%	[0, 10, 1, 7, 3, 5]
1, 7, 3, 5]		[0, 10,
2791	0.0%	[0, 1, 4, 8, 3, 5, 11, 12]
8, 3, 5, 11, 12]		[0, 4, 1,
947	0.0%	[0, 1, 8, 7, 3, 5]
7, 3, 5]		[0, 1, 8,
1862	0.0%	[0, 1, 3, 5, 12, 9, 6]
5, 12, 9, 6]		[0, 1, 3,
928	0.0%	[0, 10, 4, 1, 7, 3]
4, 1, 7, 3]		[0, 10,

1861	0.0%	[0, 1, 3, 5, 11, 9, 6]	[0, 1, 3,
		5, 11, 9, 6]	
1859	0.0%	[0, 1, 8, 3, 5, 12, 6]	[0, 1, 8,
		3, 5, 12, 6]	
1858	0.0%	[0, 1, 8, 3, 5, 11, 6]	[0, 1, 8,
		3, 5, 11, 6]	
933	0.0%	[0, 1, 4, 8, 3, 11]	[0, 4, 1,
		8, 3, 11]	
934	0.0%	[0, 1, 4, 8, 3, 12]	[0, 4, 1,
		8, 3, 12]	
936	0.0%	[0, 4, 1, 3, 11, 9]	[0, 4, 1,
		3, 11, 9]	
937	0.0%	[0, 4, 1, 3, 12, 9]	[0, 4, 1,
		3, 12, 9]	
938	0.0%	[0, 10, 4, 1, 3, 11]	[0, 10,
		4, 1, 3, 11]	
939	0.0%	[0, 10, 4, 1, 3, 12]	[0, 10,
		4, 1, 3, 12]	
940	0.0%	[0, 4, 1, 3, 11, 12]	[0, 4, 1,
		3, 11, 12]	
1850	0.0%	[0, 10, 4, 1, 3, 11, 12]	[0, 10,
		4, 1, 3, 11, 12]	
945	0.0%	[0, 1, 3, 5, 11, 6]	[0, 1, 3,
		5, 11, 6]	
946	0.0%	[0, 1, 3, 5, 12, 6]	[0, 1, 3,
		5, 12, 6]	
973	0.0%	[0, 1, 3, 12, 9, 6]	[0, 1, 3,
		12, 9, 6]	
2794	0.0%	[0, 4, 1, 3, 5, 11, 12, 9]	[0, 4, 1,
		3, 5, 11, 12, 9]	
925	0.0%	[0, 4, 1, 3, 12, 6]	[0, 4, 1,
		3, 12, 6]	
1814	0.0%	[0, 10, 4, 1, 3, 5, 12]	[0, 10,
		4, 1, 3, 5, 12]	
1811	0.0%	[0, 4, 1, 3, 5, 11, 9]	[0, 4, 1,
		3, 5, 11, 9]	
2814	0.0%	[0, 4, 1, 3, 11, 12, 9, 6]	[0, 4, 1,
		3, 11, 12, 9, 6]	
3394	0.0%	[0, 10, 8, 7, 1, 3, 2, 5, 11]	[0, 10,
		8, 7, 1, 3, 2, 5, 11]	
1808	0.0%	[0, 1, 4, 8, 3, 5, 11]	[0, 4, 1,
		8, 3, 5, 11]	
1803	0.0%	[0, 10, 4, 1, 7, 3, 5]	[0, 10,
		4, 1, 7, 3, 5]	
2828	0.0%	[0, 1, 4, 8, 3, 11, 12, 9]	[0, 4, 1,
		8, 3, 11, 12, 9]	
1799	0.0%	[0, 4, 1, 3, 5, 11, 6]	[0, 4, 1,
		3, 5, 11, 6]	
1793	0.0%	[0, 10, 8, 1, 2, 11, 12]	[0, 10,
		8, 1, 2, 11, 12]	
1018	0.0%	[0, 1, 4, 8, 7, 6]	[0, 4, 1,
		8, 7, 6]	
1019	0.0%	[0, 1, 4, 7, 9, 6]	[0, 4, 1,
		7, 9, 6]	
3389	0.0%	[0, 1, 3, 2, 5, 11, 12, 9, 6]	[0, 1, 3,
		2, 5, 11, 12, 9, 6]	
1021	0.0%	[0, 1, 4, 7, 11, 6]	[0, 4, 1,

7, 11, 6]		
1792	0.0%	[0, 1, 8, 2, 11, 12, 9]
2, 11, 12, 9]		[0, 1, 8,
1789	0.0%	[0, 10, 1, 7, 11, 12, 2]
1, 7, 11, 12, 2]		[0, 10,
1784	0.0%	[0, 10, 8, 7, 1, 2, 12]
8, 7, 1, 2, 12]		[0, 10,
1813	0.0%	[0, 10, 4, 1, 3, 5, 11]
4, 1, 3, 5, 11]		[0, 10,
3403	0.0%	[0, 1, 8, 3, 2, 5, 11, 12, 9]
3, 2, 5, 11, 12, 9]		[0, 1, 8,
978	0.0%	[0, 10, 8, 7, 1, 3]
8, 7, 1, 3]		[0, 10,
1815	0.0%	[0, 4, 1, 3, 5, 11, 12]
3, 5, 11, 12]		[0, 4, 1,
2795	0.0%	[0, 10, 4, 1, 3, 5, 11, 12]
4, 1, 3, 5, 11, 12]		[0, 10,
1827	0.0%	[0, 4, 1, 3, 12, 9, 6]
3, 12, 9, 6]		[0, 4, 1,
1826	0.0%	[0, 4, 1, 3, 11, 9, 6]
3, 11, 9, 6]		[0, 4, 1,
1824	0.0%	[0, 1, 4, 8, 3, 12, 6]
8, 3, 12, 6]		[0, 4, 1,
1823	0.0%	[0, 1, 4, 8, 3, 11, 6]
8, 3, 11, 6]		[0, 4, 1,
2807	0.0%	[0, 1, 4, 8, 3, 11, 9, 6]
8, 3, 11, 9, 6]		[0, 4, 1,
988	0.0%	[0, 1, 8, 3, 11, 9]
3, 11, 9]		[0, 1, 8,
989	0.0%	[0, 1, 8, 3, 12, 9]
3, 12, 9]		[0, 1, 8,
990	0.0%	[0, 10, 8, 1, 3, 11]
8, 1, 3, 11]		[0, 10,
991	0.0%	[0, 10, 8, 1, 3, 12]
8, 1, 3, 12]		[0, 10,
992	0.0%	[0, 1, 8, 3, 11, 12]
3, 11, 12]		[0, 1, 8,
2808	0.0%	[0, 1, 4, 8, 3, 12, 9, 6]
8, 3, 12, 9, 6]		[0, 4, 1,
995	0.0%	[0, 1, 3, 11, 12, 9]
11, 12, 9]		[0, 1, 3,
996	0.0%	[0, 10, 1, 3, 11, 12]
1, 3, 11, 12]		[0, 10,
3404	0.0%	[0, 10, 8, 1, 3, 2, 5, 11, 12]
8, 1, 3, 2, 5, 11, 12]		[0, 10,
926	0.0%	[0, 4, 1, 8, 7, 3]
8, 7, 3]		[0, 4, 1,
924	0.0%	[0, 4, 1, 3, 11, 6]
3, 11, 6]		[0, 4, 1,
2702	0.0%	[0, 1, 4, 8, 2, 11, 12, 9]
8, 2, 11, 12, 9]		[0, 4, 1,
3529	0.0%	[0, 4, 1, 3, 5, 11, 12, 9, 6]
3, 5, 11, 12, 9, 6]		[0, 4, 1,
3522	0.0%	[0, 1, 4, 8, 3, 5, 11, 9, 6]
8, 3, 5, 11, 9, 6]		[0, 4, 1,
840	0.0%	[0, 4, 1, 2, 11, 6]
2, 11, 6]		[0, 4, 1,

841	0.0%	[0, 4, 1, 2, 12, 6]	[0, 4, 1,
		2, 12, 6]	
2716	0.0%	[0, 1, 8, 2, 5, 11, 9, 6]	[0, 1, 8,
		2, 5, 11, 9, 6]	
845	0.0%	[0, 1, 4, 7, 11, 2]	[0, 4, 1,
		7, 11, 2]	
848	0.0%	[0, 10, 4, 1, 8, 2]	[0, 10,
		4, 1, 8, 2]	
849	0.0%	[0, 1, 4, 8, 2, 11]	[0, 4, 1,
		8, 2, 11]	
850	0.0%	[0, 1, 4, 8, 2, 12]	[0, 4, 1,
		8, 2, 12]	
852	0.0%	[0, 4, 1, 2, 11, 9]	[0, 4, 1,
		2, 11, 9]	
853	0.0%	[0, 4, 1, 2, 12, 9]	[0, 4, 1,
		2, 12, 9]	
854	0.0%	[0, 10, 4, 1, 2, 11]	[0, 10,
		4, 1, 2, 11]	
855	0.0%	[0, 10, 4, 1, 2, 12]	[0, 10,
		4, 1, 2, 12]	
856	0.0%	[0, 4, 1, 2, 11, 12]	[0, 4, 1,
		2, 11, 12]	
2734	0.0%	[0, 10, 1, 7, 11, 12, 2, 5]	[0, 10,
		1, 7, 11, 12, 2, 5]	
2737	0.0%	[0, 1, 8, 2, 5, 11, 12, 9]	[0, 1, 8,
		2, 5, 11, 12, 9]	
1956	0.0%	[0, 1, 4, 8, 7, 9, 6]	[0, 4, 1,
		8, 7, 9, 6]	
1958	0.0%	[0, 1, 4, 8, 7, 11, 6]	[0, 4, 1,
		8, 7, 11, 6]	
866	0.0%	[0, 1, 7, 11, 2, 5]	[0, 1, 7,
		11, 2, 5]	
1959	0.0%	[0, 1, 4, 8, 7, 12, 6]	[0, 4, 1,
		8, 7, 12, 6]	
812	0.0%	[0, 1, 3, 2, 11, 6]	[0, 1, 3,
		2, 11, 6]	
813	0.0%	[0, 1, 3, 2, 12, 6]	[0, 1, 3,
		2, 12, 6]	
814	0.0%	[0, 1, 8, 7, 3, 2]	[0, 1, 8,
		7, 3, 2]	
816	0.0%	[0, 10, 1, 7, 3, 2]	[0, 10,
		1, 7, 3, 2]	
817	0.0%	[0, 1, 2, 3, 7, 11]	[0, 1, 7,
		3, 2, 11]	
818	0.0%	[0, 1, 7, 3, 2, 12]	[0, 1, 7,
		3, 2, 12]	
820	0.0%	[0, 10, 8, 1, 3, 2]	[0, 10,
		8, 1, 3, 2]	
821	0.0%	[0, 1, 8, 3, 2, 11]	[0, 1, 8,
		3, 2, 11]	
822	0.0%	[0, 1, 8, 3, 2, 12]	[0, 1, 8,
		3, 2, 12]	
2703	0.0%	[0, 10, 4, 1, 8, 2, 11, 12]	[0, 10,
		4, 1, 8, 2, 11, 12]	
824	0.0%	[0, 1, 3, 2, 11, 9]	[0, 1, 3,
		2, 11, 9]	
825	0.0%	[0, 1, 3, 2, 12, 9]	[0, 1, 3,

2, 12, 9]		
826 0.0%	[0, 10, 1, 3, 2, 11]	[0, 10,
1, 3, 2, 11]		
827 0.0%	[0, 10, 1, 3, 2, 12]	[0, 10,
1, 3, 2, 12]		
828 0.0%	[0, 1, 3, 2, 11, 12]	[0, 1, 3,
2, 11, 12]		
865 0.0%	[0, 10, 1, 7, 2, 5]	[0, 10,
1, 7, 2, 5]		
869 0.0%	[0, 10, 8, 1, 2, 5]	[0, 10,
8, 1, 2, 5]		
1865 0.0%	[0, 1, 3, 5, 11, 12, 6]	[0, 1, 3,
5, 11, 12, 6]		
1884 0.0%	[0, 1, 3, 5, 11, 12, 9]	[0, 1, 3,
5, 11, 12, 9]		
1880 0.0%	[0, 10, 8, 1, 3, 5, 12]	[0, 10,
8, 1, 3, 5, 12]		
900 0.0%	[0, 10, 1, 7, 11, 2]	[0, 10,
1, 7, 11, 2]		
901 0.0%	[0, 10, 1, 7, 12, 2]	[0, 10,
1, 7, 12, 2]		
1879 0.0%	[0, 10, 8, 1, 3, 5, 11]	[0, 10,
8, 1, 3, 5, 11]		
904 0.0%	[0, 1, 8, 2, 11, 9]	[0, 1, 8,
2, 11, 9]		
905 0.0%	[0, 1, 8, 2, 12, 9]	[0, 1, 8,
2, 12, 9]		
906 0.0%	[0, 10, 8, 1, 2, 11]	[0, 10,
8, 1, 2, 11]		
907 0.0%	[0, 10, 8, 1, 2, 12]	[0, 10,
8, 1, 2, 12]		
908 0.0%	[0, 1, 8, 2, 11, 12]	[0, 1, 8,
2, 11, 12]		
1878 0.0%	[0, 1, 8, 3, 5, 12, 9]	[0, 1, 8,
3, 5, 12, 9]		
1877 0.0%	[0, 1, 8, 3, 5, 11, 9]	[0, 1, 8,
3, 5, 11, 9]		
911 0.0%	[0, 1, 2, 11, 12, 9]	[0, 1, 2,
11, 12, 9]		
912 0.0%	[0, 10, 1, 2, 11, 12]	[0, 10,
1, 2, 11, 12]		
918 0.0%	[0, 4, 1, 3, 5, 11]	[0, 4, 1,
3, 5, 11]		
1867 0.0%	[0, 10, 8, 7, 1, 3, 5]	[0, 10,
8, 7, 1, 3, 5]		
1881 0.0%	[0, 1, 8, 3, 5, 11, 12]	[0, 1, 8,
3, 5, 11, 12]		
1885 0.0%	[0, 10, 1, 3, 5, 11, 12]	[0, 10,
1, 3, 5, 11, 12]		
870 0.0%	[0, 1, 8, 2, 5, 11]	[0, 1, 8,
2, 5, 11]		
894 0.0%	[0, 10, 8, 7, 1, 2]	[0, 10,
8, 7, 1, 2]		
1919 0.0%	[0, 10, 8, 1, 3, 11, 12]	[0, 10,
8, 1, 3, 11, 12]		
3495 0.0%	[0, 1, 8, 2, 5, 11, 12, 9, 6]	[0, 1, 8,
2, 5, 11, 12, 9, 6]		

1918	0.0%	[0, 1, 8, 3, 11, 12, 9]	[0, 1, 8,
3, 11, 12, 9]			
2752	0.0%	[0, 1, 8, 2, 11, 12, 9, 6]	[0, 1, 8,
2, 11, 12, 9, 6]			
2758	0.0%	[0, 10, 8, 7, 1, 2, 11, 12]	[0, 10,
8, 7, 1, 2, 11, 12]			
1904	0.0%	[0, 1, 3, 11, 12, 9, 6]	[0, 1, 3,
11, 12, 9, 6]			
1898	0.0%	[0, 1, 8, 3, 12, 9, 6]	[0, 1, 8,
3, 12, 9, 6]			
1897	0.0%	[0, 1, 8, 3, 11, 9, 6]	[0, 1, 8,
3, 11, 9, 6]			
2768	0.0%	[0, 1, 4, 8, 3, 5, 11, 6]	[0, 4, 1,
8, 3, 5, 11, 6]			
885	0.0%	[0, 1, 8, 2, 11, 6]	[0, 1, 8,
2, 11, 6]			
886	0.0%	[0, 1, 8, 2, 12, 6]	[0, 1, 8,
2, 12, 6]			
888	0.0%	[0, 1, 2, 11, 9, 6]	[0, 1, 2,
11, 9, 6]			
889	0.0%	[0, 1, 2, 12, 9, 6]	[0, 1, 2,
12, 9, 6]			
2771	0.0%	[0, 4, 1, 3, 5, 11, 9, 6]	[0, 4, 1,
3, 5, 11, 9, 6]			
3474	0.0%	[0, 1, 4, 8, 2, 11, 12, 9, 6]	[0, 4, 1,
8, 2, 11, 12, 9, 6]			
0	0.0%	[0, 1]	[0, 1]

Results and Conclusions

For the original 13-building problem based on coordinates:

The Greedy algorithm yielded a path approximately 22.75 minutes long. It's method of always jumping to the nearest unvisited node determined that the order in which the buildings should be visited is:

- 1) Maintenance
- 2) Hunewell
- 3) Bender
- 4) Ferguson
- 5) Honors
- 6) Science
- 7) Legacy
- 8) Legends
- 9) Centennial
- 10) Heritage
- 11) SDC
- 12) Dining Hall
- 13) Wisdom Gym

The Exhaustive algorithm yielded a path approximately 19.06 minutes long. This optimal solution determined that the order in which the buildings should be visited is:

- 1) Maintenance
- 2) Hunewell
- 3) Bender
- 4) Ferguson
- 5) Wisdom Gym
- 6) Honors
- 7) Science
- 8) SDC
- 9) Dining Hall
- 10) Heritage
- 11) Legacy
- 12) Legends
- 13) Centennial

These results show that the two algorithms are very similar in their ordering of the buildings on campus and don't even begin to differ from each other until the fifth step. The greedy algorithm in this case proved to be only 19.36 percent longer than the true shortest path. So we can see from these results that the most efficient way of traveling amongst Tarleton maintenance's 13 most popular buildings should take roughly 19 to 23 minutes.

For Cook's method to find all possible subsets:

We can see from these results that the subset of buildings with the biggest difference between the greedy and exhaustive solutions would be the one with the 5 buildings of Maintenance, SDC, Science, the Dining Hall, and Centennial. Here, the greedy path took 45.5 percent longer. However, it appears from the data that the average time increase between the exhaustive and greedy solutions for the 8,192 subsets would be only around 10 percent. In fact, for 1,115 of these subsets there was no time difference at all between the two algorithms because they selected the same exact paths. So for nearly 1 in 7 possible subsets of buildings, the two options for choosing the shortest path will be the same.

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