DRIVERS 4

drivers.append(Driver( (3, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 109 , 0.8225649278650042 ))

drivers.append(Driver( (26, 0) , (14, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.2871675334499537 ))

drivers.append(Driver( (2, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.907429732026201 ))

drivers.append(Driver( (28, 0) , (14, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.07152730573187949 ))

REQUESTS 5

reqs.append(Passenger( (4, 0) , (14, 0) , 7 , 24 , 10 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (26, 0) , (14, 0) , 8 , 42 , 19 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 2 , 33 , 8 , 1 , 3 , 160 , 160 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 6 , 43 , 20 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 0 , 47 , 14 , 1 , 3 , 151 , 151 ))

FIRST

RTV3 Total Time 1.051553

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 2, 4) 131.32770752939734 1.0

[('d', 4), (2, 6), (4, 8), (0, 10), (0, 20), (2, 24), (4, 26), ('d', 39)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 1.0

Utility of 1 : 12.0

Utility of 2 : 150.412854614

Utility of 3 : 1.0

Utility of 0 : 49.0

Utility of 1 : 0.0

Utility of 2 : 104.0

Utility of 3 : 0.0

Utility of 4 : 91.0

656.3277075293973

RTV3 Total Time 1.052081

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 2, 4) 360 1.0

[('d', 4), (2, 6), (4, 8), (0, 10), (0, 20), (2, 24), (4, 26), ('d', 39)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 1.0

Utility of 1 : 12.0

Utility of 2 : 150.412854614

Utility of 3 : 1.0

Utility of 0 : 49.0

Utility of 1 : 0.0

Utility of 2 : 104.0

Utility of 3 : 0.0

Utility of 4 : 91.0

885.0

DRIVERS 4

drivers.append(Driver( (0, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.6469364672087248 ))

drivers.append(Driver( (25, 0) , (12, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.4097637942877187 ))

drivers.append(Driver( (4, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 155 , 0.2895032255542589 ))

drivers.append(Driver( (28, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 100 , 0.21842555998073065 ))

REQUESTS 6

reqs.append(Passenger( (1, 0) , (13, 0) , 15 , 40 , 21 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (28, 0) , (18, 0) , 4 , 39 , 16 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 6 , 43 , 18 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (25, 0) , (17, 0) , 11 , 45 , 24 , 1 , 3 , 49 , 49 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 7 , 26 , 7 , 1 , 3 , 116 , 116 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 15 , 47 , 26 , 1 , 3 , 62 , 62 ))

FIRST

RTV3 Total Time 0.452159

0 (0, 2) 217.36554387750132 1.0

[('d', 16), (0, 17), (2, 18), (0, 29), (2, 30), ('d', 48)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 14.0467102537

Utility of 1 : 14.0

Utility of 2 : 17.0

Utility of 3 : 4.0

Utility of 0 : 49.0

Utility of 1 : 0.0

Utility of 2 : 50.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

862.3655438775013

RTV3 Total Time 0.448565

0 (0, 2) 284 1.0

[('d', 16), (0, 17), (2, 18), (0, 29), (2, 30), ('d', 48)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 14.0467102537

Utility of 1 : 14.0

Utility of 2 : 17.0

Utility of 3 : 4.0

Utility of 0 : 49.0

Utility of 1 : 0.0

Utility of 2 : 50.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

929.0

DRIVERS 4

drivers.append(Driver( (2, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.012786388679138394 ))

drivers.append(Driver( (25, 0) , (17, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.00044672055300631897 ))

drivers.append(Driver( (4, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.19493066449663365 ))

drivers.append(Driver( (24, 0) , (12, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.11331232164566873 ))

REQUESTS 7

reqs.append(Passenger( (2, 0) , (17, 0) , 0 , 32 , 8 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 14 , 39 , 21 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 11 , 54 , 25 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (26, 0) , (14, 0) , 1 , 23 , 6 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 10 , 53 , 24 , 1 , 3 , 126 , 126 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 14 , 42 , 21 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (0, 0) , (14, 0) , 9 , 46 , 20 , 1 , 3 , 109 , 109 ))

FIRST

RTV3 Total Time 0.264341

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 5.0

Utility of 1 : 9.0

Utility of 2 : 6.0

Utility of 3 : 9.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

1168.0

RTV3 Total Time 0.259241

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 5.0

Utility of 1 : 9.0

Utility of 2 : 6.0

Utility of 3 : 9.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

1168.0

DRIVERS 4

drivers.append(Driver( (0, 0) , (12, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 104 , 0.6033047888375365 ))

drivers.append(Driver( (25, 0) , (19, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.7952044844346376 ))

drivers.append(Driver( (1, 0) , (17, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 160 , 0.7999474723543355 ))

drivers.append(Driver( (25, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.9044175823681896 ))

REQUESTS 8

reqs.append(Passenger( (1, 0) , (16, 0) , 5 , 27 , 8 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 1 , 35 , 11 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 15 , 33 , 18 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (29, 0) , (13, 0) , 9 , 46 , 19 , 1 , 3 , 102 , 102 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 6 , 30 , 10 , 1 , 3 , 129 , 129 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 12 , 37 , 21 , 1 , 3 , 50 , 50 ))

reqs.append(Passenger( (1, 0) , (18, 0) , 3 , 31 , 8 , 1 , 3 , 140 , 140 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 0 , 29 , 7 , 1 , 3 , 110 , 110 ))

FIRST

RTV3 Total Time 10.873583

0 EMPTY0 102 1.0

[('d', 0), ('d', 17)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 4, 6) 187.81307938377043 1.0

[('d', 6), (4, 7), (6, 8), (0, 8), (0, 23), (4, 23), (6, 25), ('d', 45)]

3 (1, 3, 5, 7) 223.2120659439939 1.0

[('d', 5), (3, 9), (7, 11), (1, 12), (5, 14), (5, 21), (3, 25), (7, 26), (1, 26), ('d', 42)]

Utility of 0 : 2.0

Utility of 1 : 12.0

Utility of 2 : 116.787078199

Utility of 3 : 72.8907472439

Utility of 0 : 79.0

Utility of 1 : 52.0

Utility of 2 : 0.0

Utility of 3 : 44.0

Utility of 4 : 78.0

Utility of 5 : 22.0

Utility of 6 : 89.0

Utility of 7 : 61.0

724.0251453277643

RTV3 Total Time 9.840497

0 EMPTY0 102 1.0

[('d', 0), ('d', 17)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 4, 6) 387 1.0

[('d', 6), (4, 7), (6, 8), (0, 8), (0, 23), (4, 23), (6, 25), ('d', 45)]

3 (1, 3, 5, 7) 405 1.0

[('d', 5), (3, 9), (7, 11), (1, 12), (5, 14), (5, 21), (3, 25), (7, 26), (1, 26), ('d', 42)]

Utility of 0 : 2.0

Utility of 1 : 12.0

Utility of 2 : 116.787078199

Utility of 3 : 72.8907472439

Utility of 0 : 79.0

Utility of 1 : 52.0

Utility of 2 : 0.0

Utility of 3 : 44.0

Utility of 4 : 78.0

Utility of 5 : 22.0

Utility of 6 : 89.0

Utility of 7 : 61.0

1105.0

DRIVERS 4

drivers.append(Driver( (1, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.2740881191814124 ))

drivers.append(Driver( (26, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.018711355684255748 ))

drivers.append(Driver( (3, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.41028504869979154 ))

drivers.append(Driver( (24, 0) , (14, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.024887924716173404 ))

REQUESTS 9

reqs.append(Passenger( (0, 0) , (19, 0) , 8 , 51 , 20 , 1 , 3 , 140 , 140 ))

reqs.append(Passenger( (25, 0) , (15, 0) , 2 , 13 , 2 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 3 , 19 , 5 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (29, 0) , (14, 0) , 11 , 31 , 13 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (0, 0) , (14, 0) , 13 , 55 , 27 , 1 , 3 , 109 , 109 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 7 , 37 , 18 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (5, 0) , (16, 0) , 5 , 18 , 6 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 20 , 31 , 22 , 1 , 3 , 50 , 50 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 6 , 44 , 18 , 1 , 3 , 107 , 107 ))

FIRST

RTV3 Total Time 0.316823

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (2, 6) 197.07322871772686 1.0

[('d', 4), (2, 5), (6, 6), (2, 16), (6, 17), ('d', 34)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 0.0

Utility of 1 : 15.0

Utility of 2 : 16.9267712823

Utility of 3 : 13.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 64.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 65.0

Utility of 7 : 0.0

Utility of 8 : 0.0

1191.0732287177268

RTV3 Total Time 0.316747

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (2, 6) 250 1.0

[('d', 4), (2, 5), (6, 6), (2, 16), (6, 17), ('d', 34)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 0.0

Utility of 1 : 15.0

Utility of 2 : 16.9267712823

Utility of 3 : 13.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 64.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 65.0

Utility of 7 : 0.0

Utility of 8 : 0.0

1244.0

DRIVERS 4

drivers.append(Driver( (1, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.02019479509335964 ))

drivers.append(Driver( (27, 0) , (14, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.9936159208463128 ))

drivers.append(Driver( (0, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 154 , 0.06648749313203395 ))

drivers.append(Driver( (28, 0) , (14, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.7864688743238721 ))

REQUESTS 10

reqs.append(Passenger( (5, 0) , (20, 0) , 3 , 20 , 4 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 10 , 41 , 18 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 0 , 32 , 8 , 1 , 3 , 118 , 118 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 7 , 46 , 21 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (1, 0) , (18, 0) , 9 , 41 , 16 , 1 , 3 , 122 , 122 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 15 , 49 , 29 , 1 , 3 , 41 , 41 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 3 , 21 , 4 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 4 , 13 , 5 , 1 , 3 , 53 , 53 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 12 , 26 , 13 , 1 , 3 , 102 , 102 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 10 , 29 , 12 , 1 , 3 , 122 , 122 ))

FIRST

RTV3 Total Time 13.607316

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (1, 3, 5, 9) 143.39172925550372 1.0

[('d', 14), (1, 14), (9, 14), (3, 17), (5, 17), (5, 23), (3, 27), (1, 29), (9, 29), ('d', 45)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 (7,) 149.8329960216361 1.0

[('d', 3), (0, 6), (0, 13), ('d', 28)]

Utility of 0 : 4.0

Utility of 1 : 125.748720486

Utility of 2 : 4.0

Utility of 3 : 30.7039788202

Utility of 0 : 81.0

Utility of 1 : 65.0

Utility of 2 : 0.0

Utility of 3 : 45.0

Utility of 4 : 0.0

Utility of 5 : 11.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 75.0

1143.22472527714

RTV3 Total Time 14.694324

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (1, 3, 5, 9) 360 1.0

[('d', 14), (1, 14), (9, 14), (3, 17), (5, 17), (5, 23), (3, 27), (1, 29), (9, 29), ('d', 45)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 4.0

Utility of 1 : 125.748720486

Utility of 2 : 4.0

Utility of 3 : 0.0

Utility of 0 : 0.0

Utility of 1 : 65.0

Utility of 2 : 0.0

Utility of 3 : 45.0

Utility of 4 : 0.0

Utility of 5 : 11.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 75.0

1383.0

DRIVERS 4

drivers.append(Driver( (5, 0) , (18, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.5777001050695143 ))

drivers.append(Driver( (24, 0) , (19, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.06275290941742073 ))

drivers.append(Driver( (3, 0) , (15, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.017144093294763407 ))

drivers.append(Driver( (26, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.529104955144479 ))

REQUESTS 11

reqs.append(Passenger( (1, 0) , (12, 0) , 16 , 44 , 24 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 1 , 14 , 3 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (2, 0) , (17, 0) , 12 , 38 , 17 , 1 , 3 , 132 , 132 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 11 , 43 , 22 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (5, 0) , (19, 0) , 13 , 35 , 17 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 10 , 42 , 18 , 1 , 3 , 126 , 126 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 17 , 32 , 19 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 8 , 22 , 8 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (2, 0) , (16, 0) , 5 , 20 , 5 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (29, 0) , (14, 0) , 12 , 42 , 19 , 1 , 3 , 116 , 116 ))

reqs.append(Passenger( (4, 0) , (13, 0) , 11 , 24 , 13 , 1 , 3 , 64 , 64 ))

FIRST

RTV3 Total Time 0.360148

0 (10,) 161.62509611242797 1.0

[('d', 10), (0, 11), (0, 20), ('d', 34)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (3, 5) 241.9253062797729 1.0

[('d', 13), (3, 16), (5, 18), (3, 26), (5, 33), ('d', 50)]

Utility of 0 : -14.9358965327

Utility of 1 : 9.0

Utility of 2 : 14.0

Utility of 3 : -8.09993601064

Utility of 0 : 33.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 53.0

Utility of 4 : 0.0

Utility of 5 : 81.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

1413.5504023922008

RTV3 Total Time 0.357418

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (3, 5) 316 1.0

[('d', 13), (3, 16), (5, 18), (3, 26), (5, 33), ('d', 50)]

Utility of 0 : 6.0

Utility of 1 : 9.0

Utility of 2 : 14.0

Utility of 3 : -8.09993601064

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 53.0

Utility of 4 : 0.0

Utility of 5 : 81.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

1504.0

DRIVERS 4

drivers.append(Driver( (5, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.6882452797438339 ))

drivers.append(Driver( (28, 0) , (12, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.8124525021558191 ))

drivers.append(Driver( (1, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 149 , 0.039560668052609715 ))

drivers.append(Driver( (27, 0) , (18, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 116 , 0.14231790335882621 ))

REQUESTS 12

reqs.append(Passenger( (1, 0) , (15, 0) , 12 , 53 , 25 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 11 , 45 , 24 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 6 , 23 , 8 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (27, 0) , (15, 0) , 3 , 17 , 4 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 9 , 42 , 18 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (27, 0) , (19, 0) , 11 , 33 , 18 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (3, 0) , (20, 0) , 1 , 26 , 5 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 10 , 19 , 11 , 1 , 3 , 44 , 44 ))

reqs.append(Passenger( (1, 0) , (15, 0) , 1 , 33 , 10 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 7 , 36 , 15 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 8 , 31 , 11 , 1 , 3 , 143 , 143 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 15 , 46 , 26 , 1 , 3 , 53 , 53 ))

FIRST

RTV3 Total Time 16.719492

0 (2,) 202.77001905460145 1.0

[('d', 6), (0, 6), (0, 18), ('d', 39)]

1 (1, 5, 9, 11) 174.38269465075732 1.0

[('d', 17), (5, 18), (9, 20), (1, 21), (11, 21), (5, 26), (1, 28), (11, 29), (9, 33), ('d', 45)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : -28.2112454533

Utility of 1 : 68.0554228212

Utility of 2 : 11.0

Utility of 3 : 8.0

Utility of 0 : 52.0

Utility of 1 : 32.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 36.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 57.0

Utility of 10 : 0.0

Utility of 11 : 24.0

1316.1527137053588

RTV3 Total Time 27.179036

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 5, 9, 11) 306 1.0

[('d', 17), (5, 18), (9, 20), (1, 21), (11, 21), (5, 26), (1, 28), (11, 29), (9, 33), ('d', 45)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 8.0

Utility of 1 : 68.0554228212

Utility of 2 : 11.0

Utility of 3 : 8.0

Utility of 0 : 0.0

Utility of 1 : 32.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 36.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 57.0

Utility of 10 : 0.0

Utility of 11 : 24.0

1470.0

DRIVERS 4

drivers.append(Driver( (5, 0) , (19, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.2627941499053804 ))

drivers.append(Driver( (24, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 101 , 0.5623591251475708 ))

drivers.append(Driver( (3, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.4826154109938263 ))

drivers.append(Driver( (29, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.4543155499282514 ))

REQUESTS 13

reqs.append(Passenger( (3, 0) , (14, 0) , 7 , 31 , 13 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 16 , 26 , 16 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (5, 0) , (14, 0) , 5 , 30 , 13 , 1 , 3 , 54 , 54 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 15 , 32 , 18 , 1 , 3 , 69 , 69 ))

reqs.append(Passenger( (0, 0) , (13, 0) , 4 , 24 , 7 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 8 , 32 , 15 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (1, 0) , (14, 0) , 6 , 41 , 17 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 3 , 38 , 14 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 14 , 44 , 22 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (26, 0) , (14, 0) , 14 , 39 , 20 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 5 , 23 , 7 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 16 , 46 , 28 , 1 , 3 , 35 , 35 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 13 , 46 , 23 , 1 , 3 , 104 , 104 ))

FIRST

RTV3 Total Time 6.935428

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 90 1.0

[('d', 0), ('d', 15)]

2 (0, 2, 6, 10) 265.7509181441544 1.0

[('d', 5), (6, 7), (10, 9), (0, 9), (2, 11), (2, 20), (6, 20), (0, 20), (10, 23), ('d', 37)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 10.0

Utility of 1 : 11.0

Utility of 2 : 22.562004458

Utility of 3 : 15.0

Utility of 0 : 42.0

Utility of 1 : 0.0

Utility of 2 : 25.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 55.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 47.0

Utility of 11 : 0.0

Utility of 12 : 0.0

1310.7509181441544

RTV3 Total Time 7.870284

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 90 1.0

[('d', 0), ('d', 15)]

2 (0, 2, 6, 10) 356 1.0

[('d', 5), (6, 7), (10, 9), (0, 9), (2, 11), (2, 20), (6, 20), (0, 20), (10, 23), ('d', 37)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 10.0

Utility of 1 : 11.0

Utility of 2 : 22.562004458

Utility of 3 : 15.0

Utility of 0 : 42.0

Utility of 1 : 0.0

Utility of 2 : 25.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 55.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 47.0

Utility of 11 : 0.0

Utility of 12 : 0.0

1401.0

DRIVERS 4

drivers.append(Driver( (4, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.7704242555659716 ))

drivers.append(Driver( (29, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.19596175977905295 ))

drivers.append(Driver( (0, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.19405727132313078 ))

drivers.append(Driver( (26, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.058336659707748706 ))

REQUESTS 14

reqs.append(Passenger( (1, 0) , (18, 0) , 1 , 22 , 3 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 0 , 15 , 2 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (1, 0) , (13, 0) , 2 , 28 , 9 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 6 , 19 , 8 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (4, 0) , (14, 0) , 14 , 33 , 18 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 6 , 20 , 8 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 3 , 29 , 8 , 1 , 3 , 119 , 119 ))

reqs.append(Passenger( (24, 0) , (12, 0) , 3 , 40 , 15 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 9 , 37 , 16 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (28, 0) , (18, 0) , 10 , 25 , 12 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 7 , 31 , 12 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (27, 0) , (20, 0) , 12 , 35 , 20 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (1, 0) , (12, 0) , 11 , 27 , 13 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 14 , 39 , 22 , 1 , 3 , 58 , 58 ))

FIRST

RTV3 Total Time 1.335843

0 (4, 8, 10) 192.5376944202015 1.0

[('d', 12), (8, 13), (10, 14), (4, 14), (4, 24), (10, 27), (8, 27), ('d', 47)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 53.5284872797

Utility of 1 : 13.0

Utility of 2 : 6.0

Utility of 3 : 6.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 48.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 66.0

Utility of 9 : 0.0

Utility of 10 : 71.0

Utility of 11 : 0.0

Utility of 12 : 0.0

Utility of 13 : 0.0

1422.5376944202014

RTV3 Total Time 1.331620

0 (4, 8, 10) 342 1.0

[('d', 12), (8, 13), (10, 14), (4, 14), (4, 24), (10, 27), (8, 27), ('d', 47)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 53.5284872797

Utility of 1 : 13.0

Utility of 2 : 6.0

Utility of 3 : 6.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 48.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 66.0

Utility of 9 : 0.0

Utility of 10 : 71.0

Utility of 11 : 0.0

Utility of 12 : 0.0

Utility of 13 : 0.0

1572.0

DRIVERS 4

drivers.append(Driver( (1, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.8181606860620689 ))

drivers.append(Driver( (27, 0) , (14, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.20894370127692596 ))

drivers.append(Driver( (4, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.68452054899385 ))

drivers.append(Driver( (27, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.1583422569532097 ))

REQUESTS 5

reqs.append(Passenger( (5, 0) , (15, 0) , 6 , 33 , 14 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 4 , 27 , 12 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (3, 0) , (14, 0) , 12 , 27 , 14 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 4 , 19 , 7 , 1 , 3 , 65 , 65 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 11 , 42 , 18 , 1 , 3 , 138 , 138 ))

FIRST

RTV3 Total Time 0.871263

0 (0, 2, 4) 161.09475513670344 1.0

[('d', 10), (4, 11), (2, 14), (0, 16), (2, 25), (0, 26), (4, 27), ('d', 40)]

1 (1, 3) 183.49344759912287 1.0

[('d', 6), (3, 7), (1, 7), (1, 14), (3, 15), ('d', 30)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 103.541798689

Utility of 1 : 2.46183389449

Utility of 2 : 0.0

Utility of 3 : 8.0

Utility of 0 : 42.0

Utility of 1 : 33.0

Utility of 2 : 48.0

Utility of 3 : 41.0

Utility of 4 : 83.0

614.5882027358264

RTV3 Total Time 0.950849

0 (0, 2, 4) 310 1.0

[('d', 10), (4, 11), (2, 14), (0, 16), (2, 25), (0, 26), (4, 27), ('d', 40)]

1 (1, 3) 200 1.0

[('d', 6), (3, 7), (1, 7), (1, 14), (3, 15), ('d', 30)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 103.541798689

Utility of 1 : 2.46183389449

Utility of 2 : 0.0

Utility of 3 : 8.0

Utility of 0 : 42.0

Utility of 1 : 33.0

Utility of 2 : 48.0

Utility of 3 : 41.0

Utility of 4 : 83.0

780.0

DRIVERS 4

drivers.append(Driver( (1, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.5637577938016812 ))

drivers.append(Driver( (24, 0) , (15, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.31817669055196207 ))

drivers.append(Driver( (2, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.05112203675643956 ))

drivers.append(Driver( (26, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.6822951766888378 ))

REQUESTS 6

reqs.append(Passenger( (0, 0) , (13, 0) , 2 , 33 , 11 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (29, 0) , (18, 0) , 16 , 44 , 24 , 1 , 3 , 70 , 70 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 0 , 26 , 5 , 1 , 3 , 136 , 136 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 10 , 48 , 21 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (1, 0) , (15, 0) , 8 , 24 , 9 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (24, 0) , (12, 0) , 14 , 46 , 24 , 1 , 3 , 78 , 78 ))

FIRST

RTV3 Total Time 0.603337

0 (0, 2, 4) 200.82564507519987 1.0

[('d', 6), (0, 7), (2, 8), (4, 8), (0, 20), (4, 22), (2, 24), ('d', 38)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 (5,) 209.3436025790688 1.0

[('d', 12), (0, 14), (0, 26), ('d', 42)]

Utility of 0 : 53.6642925744

Utility of 1 : 5.0

Utility of 2 : 10.0

Utility of 3 : -34.5780302294

Utility of 0 : -15.0

Utility of 1 : 0.0

Utility of 2 : 85.0

Utility of 3 : 0.0

Utility of 4 : 82.0

Utility of 5 : 0.0

819.1692476542687

RTV3 Total Time 0.585221

0 (0, 2, 4) 335 1.0

[('d', 6), (0, 7), (2, 8), (4, 8), (0, 20), (4, 22), (2, 24), ('d', 38)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 53.6642925744

Utility of 1 : 5.0

Utility of 2 : 10.0

Utility of 3 : 7.0

Utility of 0 : 63.0

Utility of 1 : 0.0

Utility of 2 : 85.0

Utility of 3 : 0.0

Utility of 4 : 82.0

Utility of 5 : 0.0

954.0

DRIVERS 4

drivers.append(Driver( (0, 0) , (18, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 165 , 0.6620320486625911 ))

drivers.append(Driver( (28, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.8164857494858901 ))

drivers.append(Driver( (5, 0) , (20, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.08562165590083592 ))

drivers.append(Driver( (25, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.08934038385015597 ))

REQUESTS 7

reqs.append(Passenger( (2, 0) , (17, 0) , 4 , 27 , 8 , 1 , 3 , 126 , 126 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 17 , 51 , 29 , 1 , 3 , 69 , 69 ))

reqs.append(Passenger( (1, 0) , (19, 0) , 4 , 41 , 13 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (29, 0) , (13, 0) , 2 , 18 , 2 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (1, 0) , (12, 0) , 4 , 25 , 9 , 1 , 3 , 70 , 70 ))

reqs.append(Passenger( (24, 0) , (12, 0) , 8 , 48 , 22 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (2, 0) , (13, 0) , 1 , 36 , 13 , 1 , 3 , 70 , 70 ))

FIRST

RTV3 Total Time 9.317092

0 (0, 2, 4, 6) 253.67701339155508 1.0

[('d', 8), (2, 9), (4, 9), (6, 10), (0, 10), (4, 20), (6, 21), (0, 25), (2, 27), ('d', 44)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 79.3646981705

Utility of 1 : 14.0

Utility of 2 : 20.0

Utility of 3 : 7.0

Utility of 0 : 79.0

Utility of 1 : 0.0

Utility of 2 : 59.0

Utility of 3 : 0.0

Utility of 4 : 37.0

Utility of 5 : 0.0

Utility of 6 : 34.0

887.6770133915551

RTV3 Total Time 11.589508

0 (0, 2, 4, 6) 398 1.0

[('d', 8), (2, 9), (4, 9), (6, 10), (0, 10), (4, 20), (6, 21), (0, 25), (2, 27), ('d', 44)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 79.3646981705

Utility of 1 : 14.0

Utility of 2 : 20.0

Utility of 3 : 7.0

Utility of 0 : 79.0

Utility of 1 : 0.0

Utility of 2 : 59.0

Utility of 3 : 0.0

Utility of 4 : 37.0

Utility of 5 : 0.0

Utility of 6 : 34.0

1032.0

DRIVERS 4

drivers.append(Driver( (4, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.594001861320766 ))

drivers.append(Driver( (29, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.8932747901057297 ))

drivers.append(Driver( (5, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.6904859811042093 ))

drivers.append(Driver( (29, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.1430083164222965 ))

REQUESTS 8

reqs.append(Passenger( (1, 0) , (17, 0) , 4 , 37 , 12 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 14 , 24 , 16 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (4, 0) , (14, 0) , 11 , 34 , 17 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 15 , 54 , 29 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 3 , 48 , 17 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 11 , 31 , 14 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 3 , 39 , 11 , 1 , 3 , 157 , 157 ))

reqs.append(Passenger( (29, 0) , (16, 0) , 7 , 34 , 14 , 1 , 3 , 86 , 86 ))

FIRST

RTV3 Total Time 2.916564

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 3, 5, 7) 210.63743862054565 1.0

[('d', 13), (7, 13), (1, 16), (3, 16), (5, 17), (1, 22), (7, 26), (3, 27), (5, 30), ('d', 49)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 18.0

Utility of 1 : 79.1768899477

Utility of 2 : 7.0

Utility of 3 : 10.0

Utility of 0 : 0.0

Utility of 1 : 30.0

Utility of 2 : 0.0

Utility of 3 : 38.0

Utility of 4 : 0.0

Utility of 5 : 53.0

Utility of 6 : 0.0

Utility of 7 : 46.0

1031.6374386205457

RTV3 Total Time 2.920490

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 3, 5, 7) 375 1.0

[('d', 13), (7, 13), (1, 16), (3, 16), (5, 17), (1, 22), (7, 26), (3, 27), (5, 30), ('d', 49)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 18.0

Utility of 1 : 79.1768899477

Utility of 2 : 7.0

Utility of 3 : 10.0

Utility of 0 : 0.0

Utility of 1 : 30.0

Utility of 2 : 0.0

Utility of 3 : 38.0

Utility of 4 : 0.0

Utility of 5 : 53.0

Utility of 6 : 0.0

Utility of 7 : 46.0

1196.0

DRIVERS 4

drivers.append(Driver( (0, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.01075432603145876 ))

drivers.append(Driver( (26, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.5067088717094035 ))

drivers.append(Driver( (3, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 117 , 0.7874802924305461 ))

drivers.append(Driver( (29, 0) , (18, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.9059057690488219 ))

REQUESTS 9

reqs.append(Passenger( (2, 0) , (17, 0) , 0 , 39 , 12 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 2 , 37 , 15 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 13 , 37 , 18 , 1 , 3 , 113 , 113 ))

reqs.append(Passenger( (29, 0) , (20, 0) , 5 , 38 , 17 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (4, 0) , (13, 0) , 2 , 17 , 5 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 3 , 34 , 15 , 1 , 3 , 37 , 37 ))

reqs.append(Passenger( (4, 0) , (19, 0) , 0 , 18 , 1 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 16 , 40 , 22 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 7 , 48 , 18 , 1 , 3 , 156 , 156 ))

FIRST

RTV3 Total Time 2.102416

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 2, 8) 193.42976923180782 1.0

[('d', 7), (8, 10), (0, 12), (2, 15), (0, 27), (8, 28), (2, 28), ('d', 45)]

3 (1, 3) 192.45746539516836 1.0

[('d', 12), (3, 12), (1, 15), (3, 21), (1, 24), ('d', 41)]

Utility of 0 : 9.0

Utility of 1 : 18.0

Utility of 2 : 63.9079475515

Utility of 3 : -11.9869942404

Utility of 0 : 66.0

Utility of 1 : 30.0

Utility of 2 : 71.0

Utility of 3 : 23.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 94.0

900.8872346269761

RTV3 Total Time 2.573807

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 2, 8) 384 1.0

[('d', 7), (8, 10), (0, 12), (2, 15), (0, 27), (8, 28), (2, 28), ('d', 45)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 9.0

Utility of 1 : 18.0

Utility of 2 : 63.9079475515

Utility of 3 : 6.0

Utility of 0 : 66.0

Utility of 1 : 0.0

Utility of 2 : 71.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 94.0

1131.0

DRIVERS 4

drivers.append(Driver( (0, 0) , (19, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 171 , 0.1728379143533103 ))

drivers.append(Driver( (28, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.9618148806285176 ))

drivers.append(Driver( (5, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.1780014907432791 ))

drivers.append(Driver( (29, 0) , (19, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 108 , 0.7048731226883345 ))

REQUESTS 10

reqs.append(Passenger( (4, 0) , (20, 0) , 5 , 29 , 9 , 1 , 3 , 138 , 138 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 9 , 53 , 22 , 1 , 3 , 148 , 148 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 13 , 31 , 16 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (27, 0) , (15, 0) , 5 , 19 , 6 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 5 , 41 , 17 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 9 , 49 , 22 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 2 , 27 , 5 , 1 , 3 , 169 , 169 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 17 , 47 , 28 , 1 , 3 , 52 , 52 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 8 , 31 , 11 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 3 , 24 , 9 , 1 , 3 , 71 , 71 ))

FIRST

RTV3 Total Time 3.030823

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 (1, 5, 9) 171.598838754925 1.0

[('d', 8), (1, 9), (5, 12), (9, 14), (9, 23), (5, 25), (1, 26), ('d', 43)]

2 EMPTY2 108 1.0

[('d', 0), ('d', 18)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 9.0

Utility of 1 : 96.4703445875

Utility of 2 : 17.0

Utility of 3 : 0.0

Utility of 0 : 0.0

Utility of 1 : 84.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 48.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 39.0

1302.598838754925

RTV3 Total Time 3.638379

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 (1, 5, 9) 363 1.0

[('d', 8), (1, 9), (5, 12), (9, 14), (9, 23), (5, 25), (1, 26), ('d', 43)]

2 EMPTY2 108 1.0

[('d', 0), ('d', 18)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 9.0

Utility of 1 : 96.4703445875

Utility of 2 : 17.0

Utility of 3 : 0.0

Utility of 0 : 0.0

Utility of 1 : 84.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 48.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 39.0

1494.0

DRIVERS 4

drivers.append(Driver( (5, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.9765991279993519 ))

drivers.append(Driver( (24, 0) , (20, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.8876896954830439 ))

drivers.append(Driver( (1, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.9536604036804339 ))

drivers.append(Driver( (24, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.14994378927048313 ))

REQUESTS 11

reqs.append(Passenger( (5, 0) , (19, 0) , 3 , 17 , 3 , 1 , 3 , 118 , 118 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 2 , 13 , 2 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (0, 0) , (20, 0) , 7 , 36 , 11 , 1 , 3 , 155 , 155 ))

reqs.append(Passenger( (25, 0) , (15, 0) , 11 , 29 , 15 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 5 , 31 , 10 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 18 , 25 , 18 , 1 , 3 , 43 , 43 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 0 , 40 , 14 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 10 , 20 , 11 , 1 , 3 , 49 , 49 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 1 , 20 , 4 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 8 , 36 , 15 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (3, 0) , (15, 0) , 9 , 34 , 15 , 1 , 3 , 92 , 92 ))

FIRST

RTV3 Total Time 21.792957

0 (0,) 168.77846627204923 1.0

[('d', 3), (0, 3), (0, 17), ('d', 36)]

1 (3, 9) 177.14030562848387 1.0

[('d', 14), (9, 15), (3, 15), (3, 25), (9, 28), ('d', 47)]

2 (2, 4, 8, 10) 153.32633262100455 1.0

[('d', 7), (8, 8), (4, 8), (2, 8), (10, 11), (8, 20), (4, 23), (10, 23), (2, 28), ('d', 42)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 26.221533728

Utility of 1 : 12.8596943715

Utility of 2 : 156.276082131

Utility of 3 : 2.0

Utility of 0 : 76.0

Utility of 1 : 0.0

Utility of 2 : 92.0

Utility of 3 : 48.0

Utility of 4 : 60.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 49.0

Utility of 9 : 69.0

Utility of 10 : 52.0

903.2451045215377

RTV3 Total Time 28.677378

0 (0,) 243 1.0

[('d', 3), (0, 3), (0, 17), ('d', 36)]

1 (3, 9) 281 1.0

[('d', 14), (9, 15), (3, 15), (3, 25), (9, 28), ('d', 47)]

2 (2, 4, 6, 10) 400 1.0

[('d', 10), (4, 11), (2, 11), (6, 13), (10, 14), (6, 25), (4, 26), (10, 26), (2, 31), ('d', 45)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 26.221533728

Utility of 1 : 12.8596943715

Utility of 2 : 158.04438415

Utility of 3 : 2.0

Utility of 0 : 76.0

Utility of 1 : 0.0

Utility of 2 : 95.0

Utility of 3 : 48.0

Utility of 4 : 61.0

Utility of 5 : 0.0

Utility of 6 : 47.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 69.0

Utility of 10 : 55.0

1333.0

DRIVERS 4

drivers.append(Driver( (1, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.9424147752956149 ))

drivers.append(Driver( (25, 0) , (19, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 114 , 0.8778914313923875 ))

drivers.append(Driver( (3, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 160 , 0.5614744880082349 ))

drivers.append(Driver( (26, 0) , (16, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 136 , 0.33098201425086504 ))

REQUESTS 12

reqs.append(Passenger( (0, 0) , (16, 0) , 3 , 36 , 11 , 1 , 3 , 138 , 138 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 4 , 29 , 10 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 5 , 38 , 14 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 19 , 55 , 33 , 1 , 3 , 50 , 50 ))

reqs.append(Passenger( (2, 0) , (18, 0) , 7 , 26 , 8 , 1 , 3 , 137 , 137 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 9 , 25 , 12 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 9 , 28 , 13 , 1 , 3 , 75 , 75 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 11 , 37 , 17 , 1 , 3 , 122 , 122 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 3 , 49 , 17 , 1 , 3 , 157 , 157 ))

reqs.append(Passenger( (29, 0) , (16, 0) , 0 , 22 , 4 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 6 , 20 , 8 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 21 , 48 , 31 , 1 , 3 , 53 , 53 ))

FIRST

RTV3 Total Time 58.708933

0 (0, 2, 4, 8) 130.75173207360416 1.0

[('d', 7), (0, 8), (2, 8), (8, 10), (4, 10), (2, 23), (0, 24), (4, 26), (8, 28), ('d', 46)]

1 (1, 7, 9) 167.96286221114326 1.0

[('d', 4), (9, 8), (1, 11), (7, 11), (9, 21), (1, 24), (7, 25), ('d', 43)]

2 (6, 10) 188.5369746632012 1.0

[('d', 7), (10, 8), (6, 11), (10, 18), (6, 21), ('d', 36)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 194.284801971

Utility of 1 : 67.3803320435

Utility of 2 : 32.3400763608

Utility of 3 : 10.0

Utility of 0 : 87.0

Utility of 1 : 72.0

Utility of 2 : 55.0

Utility of 3 : 0.0

Utility of 4 : 87.0

Utility of 5 : 0.0

Utility of 6 : 43.0

Utility of 7 : 74.0

Utility of 8 : 96.0

Utility of 9 : 72.0

Utility of 10 : 52.0

Utility of 11 : 0.0

775.2515689479486

RTV3 Total Time 67.610207

0 (0, 2) 310 1.0

[('d', 10), (0, 11), (2, 11), (2, 26), (0, 27), ('d', 44)]

1 (1, 7, 9) 369 1.0

[('d', 4), (9, 8), (1, 11), (7, 11), (9, 21), (1, 24), (7, 25), ('d', 43)]

2 (4, 6, 8, 10) 378 1.0

[('d', 7), (8, 8), (10, 8), (4, 8), (6, 11), (10, 18), (6, 21), (4, 24), (8, 26), ('d', 40)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 54.4773867438

Utility of 1 : 67.3803320435

Utility of 2 : 111.089907666

Utility of 3 : 10.0

Utility of 0 : 90.0

Utility of 1 : 72.0

Utility of 2 : 58.0

Utility of 3 : 0.0

Utility of 4 : 89.0

Utility of 5 : 0.0

Utility of 6 : 43.0

Utility of 7 : 74.0

Utility of 8 : 94.0

Utility of 9 : 72.0

Utility of 10 : 52.0

Utility of 11 : 0.0

1345.0

DRIVERS 4

drivers.append(Driver( (3, 0) , (18, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 149 , 0.27672258296826335 ))

drivers.append(Driver( (29, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.07404035969064915 ))

drivers.append(Driver( (2, 0) , (17, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.15001033129438524 ))

drivers.append(Driver( (25, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 79 , 0.22966133969748392 ))

REQUESTS 13

reqs.append(Passenger( (0, 0) , (14, 0) , 4 , 41 , 15 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 20 , 53 , 33 , 1 , 3 , 43 , 43 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 13 , 27 , 15 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 3 , 19 , 4 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (3, 0) , (20, 0) , 4 , 26 , 6 , 1 , 3 , 132 , 132 ))

reqs.append(Passenger( (24, 0) , (19, 0) , 21 , 27 , 21 , 1 , 3 , 32 , 32 ))

reqs.append(Passenger( (2, 0) , (15, 0) , 12 , 43 , 21 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 10 , 46 , 21 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (2, 0) , (19, 0) , 5 , 49 , 18 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (29, 0) , (17, 0) , 6 , 21 , 7 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 4 , 34 , 11 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 7 , 29 , 14 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 7 , 38 , 18 , 1 , 3 , 69 , 69 ))

FIRST

RTV3 Total Time 0.403642

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 78 1.0

[('d', 0), ('d', 13)]

Utility of 0 : 11.0

Utility of 1 : 7.0

Utility of 2 : 18.0

Utility of 3 : 1.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 0.0

1604.0

RTV3 Total Time 0.412823

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 78 1.0

[('d', 0), ('d', 13)]

Utility of 0 : 11.0

Utility of 1 : 7.0

Utility of 2 : 18.0

Utility of 3 : 1.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 0.0

1604.0

DRIVERS 4

drivers.append(Driver( (3, 0) , (14, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.1737742455736928 ))

drivers.append(Driver( (28, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.5547771124738412 ))

drivers.append(Driver( (1, 0) , (14, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 161 , 0.0354972562519672 ))

drivers.append(Driver( (29, 0) , (12, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.6418271341134704 ))

REQUESTS 14

reqs.append(Passenger( (4, 0) , (16, 0) , 12 , 36 , 18 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (27, 0) , (19, 0) , 3 , 35 , 15 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 19 , 44 , 28 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 5 , 25 , 10 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 12 , 40 , 21 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 11 , 25 , 15 , 1 , 3 , 44 , 44 ))

reqs.append(Passenger( (5, 0) , (19, 0) , 7 , 27 , 10 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 6 , 36 , 14 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 14 , 55 , 28 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 1 , 16 , 2 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (4, 0) , (13, 0) , 9 , 21 , 10 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 14 , 40 , 23 , 1 , 3 , 49 , 49 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 0 , 19 , 3 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 6 , 23 , 9 , 1 , 3 , 86 , 86 ))

FIRST

RTV3 Total Time 107.731864

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 (3, 9, 13) 191.687890879447 1.0

[('d', 4), (9, 4), (3, 6), (13, 6), (9, 16), (3, 16), (13, 17), ('d', 33)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 (1, 5, 7, 11) 213.33891677227004 1.0

[('d', 13), (7, 14), (1, 15), (5, 18), (11, 18), (1, 23), (5, 24), (11, 25), (7, 27), ('d', 41)]

Utility of 0 : 14.0

Utility of 1 : 52.3191151083

Utility of 2 : 17.0

Utility of 3 : 42.5264661548

Utility of 0 : 0.0

Utility of 1 : 24.0

Utility of 2 : 0.0

Utility of 3 : 46.0

Utility of 4 : 0.0

Utility of 5 : 23.0

Utility of 6 : 0.0

Utility of 7 : 43.0

Utility of 8 : 0.0

Utility of 9 : 65.0

Utility of 10 : 0.0

Utility of 11 : 23.0

Utility of 12 : 0.0

Utility of 13 : 50.0

1273.026807651717

RTV3 Total Time 133.634133

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 (3, 9, 13) 286 1.0

[('d', 4), (9, 4), (3, 6), (13, 6), (9, 16), (3, 16), (13, 17), ('d', 33)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 (1, 5, 7, 11) 291 1.0

[('d', 13), (7, 14), (1, 15), (5, 18), (11, 18), (1, 23), (5, 24), (11, 25), (7, 27), ('d', 41)]

Utility of 0 : 14.0

Utility of 1 : 52.3191151083

Utility of 2 : 17.0

Utility of 3 : 42.5264661548

Utility of 0 : 0.0

Utility of 1 : 24.0

Utility of 2 : 0.0

Utility of 3 : 46.0

Utility of 4 : 0.0

Utility of 5 : 23.0

Utility of 6 : 0.0

Utility of 7 : 43.0

Utility of 8 : 0.0

Utility of 9 : 65.0

Utility of 10 : 0.0

Utility of 11 : 23.0

Utility of 12 : 0.0

Utility of 13 : 50.0

1445.0

DRIVERS 5

drivers.append(Driver( (1, 0) , (14, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 149 , 0.23655610643847902 ))

drivers.append(Driver( (28, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 99 , 0.6363689018403513 ))

drivers.append(Driver( (4, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.08097747594085225 ))

drivers.append(Driver( (24, 0) , (17, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.24455237279501174 ))

drivers.append(Driver( (2, 0) , (18, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.12206564480981974 ))

REQUESTS 5

reqs.append(Passenger( (4, 0) , (12, 0) , 13 , 22 , 13 , 1 , 3 , 54 , 54 ))

reqs.append(Passenger( (24, 0) , (20, 0) , 6 , 20 , 11 , 1 , 3 , 29 , 29 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 11 , 37 , 17 , 1 , 3 , 102 , 102 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 12 , 50 , 24 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 2 , 34 , 10 , 1 , 3 , 118 , 118 ))

FIRST

RTV3 Total Time 0.160322

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 96 1.0

[('d', 0), ('d', 16)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 5.0

Utility of 1 : 3.0

Utility of 2 : 3.0

Utility of 3 : 9.0

Utility of 4 : 2.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1045.0

RTV3 Total Time 0.159159

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 96 1.0

[('d', 0), ('d', 16)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 5.0

Utility of 1 : 3.0

Utility of 2 : 3.0

Utility of 3 : 9.0

Utility of 4 : 2.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1045.0

DRIVERS 5

drivers.append(Driver( (2, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 155 , 0.7462351443972484 ))

drivers.append(Driver( (26, 0) , (14, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.6690955716688884 ))

drivers.append(Driver( (1, 0) , (17, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.9357553998136301 ))

drivers.append(Driver( (29, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 166 , 0.3605047410552521 ))

drivers.append(Driver( (0, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.06031963240433691 ))

REQUESTS 6

reqs.append(Passenger( (5, 0) , (16, 0) , 9 , 48 , 23 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (27, 0) , (15, 0) , 10 , 40 , 19 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (3, 0) , (14, 0) , 8 , 41 , 19 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 8 , 43 , 21 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (1, 0) , (15, 0) , 9 , 25 , 10 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 13 , 46 , 22 , 1 , 3 , 89 , 89 ))

FIRST

RTV3 Total Time 1.157800

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 (3,) 166.89069927490002 1.0

[('d', 7), (0, 8), (0, 17), ('d', 32)]

2 (0, 2, 4) 145.94949563466483 1.0

[('d', 10), (4, 10), (2, 12), (0, 14), (2, 23), (4, 24), (0, 25), ('d', 41)]

3 EMPTY3 150 1.0

[('d', 0), ('d', 25)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 17.0

Utility of 1 : -11.2507505633

Utility of 2 : 56.4833817782

Utility of 3 : 16.0

Utility of 4 : 5.0

Utility of 0 : -35.0

Utility of 1 : 0.0

Utility of 2 : 53.0

Utility of 3 : 0.0

Utility of 4 : 83.0

Utility of 5 : 0.0

905.8401949095648

RTV3 Total Time 1.144488

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 (0, 2, 4) 320 1.0

[('d', 10), (4, 10), (2, 12), (0, 14), (2, 23), (4, 24), (0, 25), ('d', 41)]

3 EMPTY3 150 1.0

[('d', 0), ('d', 25)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 17.0

Utility of 1 : 9.0

Utility of 2 : 106.078417968

Utility of 3 : 16.0

Utility of 4 : 5.0

Utility of 0 : 34.0

Utility of 1 : 0.0

Utility of 2 : 53.0

Utility of 3 : 0.0

Utility of 4 : 83.0

Utility of 5 : 0.0

1099.0

DRIVERS 5

drivers.append(Driver( (0, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.15140270853056936 ))

drivers.append(Driver( (27, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.7234066536998406 ))

drivers.append(Driver( (0, 0) , (15, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 168 , 0.38072289255441094 ))

drivers.append(Driver( (24, 0) , (15, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 116 , 0.2939372138510862 ))

drivers.append(Driver( (4, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.22698249754547228 ))

REQUESTS 7

reqs.append(Passenger( (0, 0) , (19, 0) , 7 , 51 , 19 , 1 , 3 , 132 , 132 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 9 , 40 , 19 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 4 , 28 , 8 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 9 , 23 , 10 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (3, 0) , (18, 0) , 7 , 25 , 8 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 14 , 32 , 19 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 13 , 44 , 23 , 1 , 3 , 73 , 73 ))

FIRST

RTV3 Total Time 0.432312

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 3) 192.89340116701436 1.0

[('d', 9), (3, 10), (1, 10), (3, 21), (1, 21), ('d', 38)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 16.0

Utility of 1 : 9.59593894969

Utility of 2 : 18.0

Utility of 3 : 14.0

Utility of 4 : 7.0

Utility of 0 : 0.0

Utility of 1 : 34.0

Utility of 2 : 0.0

Utility of 3 : 47.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

1186.8934011670144

RTV3 Total Time 0.430978

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 3) 258 1.0

[('d', 9), (3, 10), (1, 10), (3, 21), (1, 21), ('d', 38)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 16.0

Utility of 1 : 9.59593894969

Utility of 2 : 18.0

Utility of 3 : 14.0

Utility of 4 : 7.0

Utility of 0 : 0.0

Utility of 1 : 34.0

Utility of 2 : 0.0

Utility of 3 : 47.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

1252.0

DRIVERS 5

drivers.append(Driver( (4, 0) , (17, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.8737190149064246 ))

drivers.append(Driver( (27, 0) , (16, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.3386135669757395 ))

drivers.append(Driver( (2, 0) , (19, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.6103260538584219 ))

drivers.append(Driver( (28, 0) , (19, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.2665138646147751 ))

drivers.append(Driver( (0, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.0300675051646363 ))

REQUESTS 8

reqs.append(Passenger( (2, 0) , (16, 0) , 3 , 36 , 12 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 16 , 31 , 20 , 1 , 3 , 54 , 54 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 7 , 20 , 7 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 14 , 47 , 24 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (1, 0) , (18, 0) , 4 , 26 , 6 , 1 , 3 , 126 , 126 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 12 , 42 , 21 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (5, 0) , (16, 0) , 13 , 36 , 19 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 6 , 29 , 14 , 1 , 3 , 52 , 52 ))

FIRST

RTV3 Total Time 1.440300

0 (0, 4, 6) 224.0991723913757 1.0

[('d', 6), (4, 9), (0, 10), (6, 13), (0, 24), (6, 24), (4, 26), ('d', 45)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (2,) 206.87337125322048 1.0

[('d', 4), (0, 7), (0, 19), ('d', 37)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 54.2899184447

Utility of 1 : 5.0

Utility of 2 : 8.87771457797

Utility of 3 : 12.0

Utility of 4 : 8.0

Utility of 0 : 29.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 72.0

Utility of 5 : 0.0

Utility of 6 : 45.0

Utility of 7 : 0.0

1086.972543644596

RTV3 Total Time 1.443175

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (0, 2, 4) 358 1.0

[('d', 3), (4, 4), (0, 5), (2, 8), (0, 19), (2, 20), (4, 21), ('d', 39)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 13.0

Utility of 1 : 5.0

Utility of 2 : 40.7037988866

Utility of 3 : 12.0

Utility of 4 : 8.0

Utility of 0 : 42.0

Utility of 1 : 0.0

Utility of 2 : 50.0

Utility of 3 : 0.0

Utility of 4 : 73.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

1236.0

DRIVERS 5

drivers.append(Driver( (4, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.7554995697558486 ))

drivers.append(Driver( (24, 0) , (15, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.6051621309908508 ))

drivers.append(Driver( (3, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.02346774800577478 ))

drivers.append(Driver( (28, 0) , (19, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.6404732845281009 ))

drivers.append(Driver( (3, 0) , (14, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.3434029545162166 ))

REQUESTS 9

reqs.append(Passenger( (5, 0) , (13, 0) , 16 , 31 , 19 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 7 , 20 , 8 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 5 , 23 , 7 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 10 , 45 , 23 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (3, 0) , (14, 0) , 10 , 39 , 19 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (25, 0) , (17, 0) , 3 , 32 , 13 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 4 , 38 , 13 , 1 , 3 , 127 , 127 ))

reqs.append(Passenger( (24, 0) , (19, 0) , 3 , 31 , 14 , 1 , 3 , 35 , 35 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 14 , 37 , 19 , 1 , 3 , 102 , 102 ))

FIRST

RTV3 Total Time 1.204018

0 (0, 4, 6) 221.27657615321482 1.0

[('d', 13), (6, 14), (4, 14), (0, 16), (0, 24), (4, 25), (6, 30), ('d', 51)]

1 (7,) 166.89675738018298 1.0

[('d', 3), (0, 3), (0, 8), ('d', 28)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (3,) 172.66201518793218 1.0

[('d', 10), (0, 10), (0, 18), ('d', 35)]

4 EMPTY4 102 1.0

[('d', 0), ('d', 17)]

Utility of 0 : 28.923927719

Utility of 1 : 94.1395078403

Utility of 2 : 16.0

Utility of 3 : 119.151695149

Utility of 4 : 11.0

Utility of 0 : 115.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 50.0

Utility of 5 : 0.0

Utility of 6 : 78.0

Utility of 7 : 0.0

Utility of 8 : 0.0

1117.8353487213299

RTV3 Total Time 1.243379

0 (0, 4, 6) 355 1.0

[('d', 13), (6, 14), (4, 14), (0, 16), (0, 24), (4, 25), (6, 30), ('d', 51)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 102 1.0

[('d', 0), ('d', 17)]

Utility of 0 : 28.923927719

Utility of 1 : 5.0

Utility of 2 : 16.0

Utility of 3 : 14.0

Utility of 4 : 11.0

Utility of 0 : 40.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 50.0

Utility of 5 : 0.0

Utility of 6 : 78.0

Utility of 7 : 0.0

Utility of 8 : 0.0

1255.0

DRIVERS 5

drivers.append(Driver( (4, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.29428916216228906 ))

drivers.append(Driver( (28, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 102 , 0.2480957035150474 ))

drivers.append(Driver( (1, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.38308131437009496 ))

drivers.append(Driver( (24, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.15922534697570567 ))

drivers.append(Driver( (5, 0) , (13, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 117 , 0.15403387365487198 ))

REQUESTS 10

reqs.append(Passenger( (5, 0) , (13, 0) , 13 , 22 , 13 , 1 , 3 , 54 , 54 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 0 , 40 , 13 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 4 , 42 , 16 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 0 , 13 , 0 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (0, 0) , (17, 0) , 0 , 46 , 14 , 1 , 3 , 118 , 118 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 12 , 34 , 19 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 15 , 34 , 18 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (27, 0) , (20, 0) , 11 , 30 , 17 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 13 , 34 , 17 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 7 , 37 , 14 , 1 , 3 , 96 , 96 ))

FIRST

RTV3 Total Time 0.356962

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 102 1.0

[('d', 0), ('d', 17)]

Utility of 0 : 13.0

Utility of 1 : 0.0

Utility of 2 : 19.0

Utility of 3 : 18.0

Utility of 4 : 15.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

1424.0

RTV3 Total Time 0.356557

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 102 1.0

[('d', 0), ('d', 17)]

Utility of 0 : 13.0

Utility of 1 : 0.0

Utility of 2 : 19.0

Utility of 3 : 18.0

Utility of 4 : 15.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

1424.0

DRIVERS 5

drivers.append(Driver( (4, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.505748059276997 ))

drivers.append(Driver( (26, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.8036501655182434 ))

drivers.append(Driver( (4, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 136 , 0.8163442140115578 ))

drivers.append(Driver( (27, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 101 , 0.26582984410683097 ))

drivers.append(Driver( (5, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.17572503180257293 ))

REQUESTS 11

reqs.append(Passenger( (5, 0) , (17, 0) , 1 , 22 , 5 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 8 , 33 , 16 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (2, 0) , (13, 0) , 5 , 41 , 17 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 5 , 30 , 14 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (3, 0) , (13, 0) , 10 , 39 , 19 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (26, 0) , (14, 0) , 7 , 43 , 19 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 5 , 43 , 16 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (29, 0) , (17, 0) , 9 , 42 , 19 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 12 , 54 , 26 , 1 , 3 , 113 , 113 ))

reqs.append(Passenger( (27, 0) , (20, 0) , 9 , 45 , 23 , 1 , 3 , 49 , 49 ))

reqs.append(Passenger( (4, 0) , (14, 0) , 7 , 19 , 8 , 1 , 3 , 88 , 88 ))

FIRST

RTV3 Total Time 183.641297

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 (1, 3, 5, 7) 200.93201971016143 1.0

[('d', 10), (7, 13), (3, 16), (5, 16), (1, 16), (3, 23), (1, 24), (7, 25), (5, 28), ('d', 45)]

2 (2, 4, 8) 188.588795190012 1.0

[('d', 15), (2, 17), (4, 18), (8, 19), (2, 28), (4, 28), (8, 32), ('d', 49)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 15.0

Utility of 1 : 49.2278284691

Utility of 2 : 50.8804510979

Utility of 3 : 11.0

Utility of 4 : 14.0

Utility of 0 : 0.0

Utility of 1 : 27.0

Utility of 2 : 43.0

Utility of 3 : 33.0

Utility of 4 : 54.0

Utility of 5 : 49.0

Utility of 6 : 0.0

Utility of 7 : 63.0

Utility of 8 : 67.0

Utility of 9 : 0.0

Utility of 10 : 0.0

1057.5208149001733

RTV3 Total Time 270.353132

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 (1, 3, 5, 7) 348 1.0

[('d', 10), (7, 13), (3, 16), (5, 16), (1, 16), (3, 23), (1, 24), (7, 25), (5, 28), ('d', 45)]

2 (2, 4, 8) 329 1.0

[('d', 15), (2, 17), (4, 18), (8, 19), (2, 28), (4, 28), (8, 32), ('d', 49)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 15.0

Utility of 1 : 49.2278284691

Utility of 2 : 50.8804510979

Utility of 3 : 11.0

Utility of 4 : 14.0

Utility of 0 : 0.0

Utility of 1 : 27.0

Utility of 2 : 43.0

Utility of 3 : 33.0

Utility of 4 : 54.0

Utility of 5 : 49.0

Utility of 6 : 0.0

Utility of 7 : 63.0

Utility of 8 : 67.0

Utility of 9 : 0.0

Utility of 10 : 0.0

1345.0

DRIVERS 5

drivers.append(Driver( (4, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.633566268894347 ))

drivers.append(Driver( (27, 0) , (14, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.023066074251438584 ))

drivers.append(Driver( (4, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.1173590554086753 ))

drivers.append(Driver( (25, 0) , (18, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 103 , 0.8874514064791593 ))

drivers.append(Driver( (3, 0) , (15, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.996550259574001 ))

REQUESTS 12

reqs.append(Passenger( (4, 0) , (20, 0) , 0 , 35 , 9 , 1 , 3 , 141 , 141 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 19 , 53 , 32 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 12 , 47 , 22 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 11 , 43 , 20 , 1 , 3 , 123 , 123 ))

reqs.append(Passenger( (0, 0) , (14, 0) , 6 , 21 , 6 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 6 , 26 , 9 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (1, 0) , (15, 0) , 13 , 30 , 14 , 1 , 3 , 116 , 116 ))

reqs.append(Passenger( (29, 0) , (20, 0) , 8 , 18 , 8 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 16 , 49 , 27 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 12 , 44 , 22 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 10 , 48 , 22 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (28, 0) , (18, 0) , 4 , 33 , 13 , 1 , 3 , 63 , 63 ))

FIRST

RTV3 Total Time 35.509490

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (3, 9) 157.43209465404271 1.0

[('d', 18), (3, 20), (9, 20), (9, 31), (3, 34), ('d', 50)]

4 (0, 2, 6, 10) 151.9452288767238 1.0

[('d', 12), (6, 14), (10, 16), (2, 16), (0, 17), (6, 28), (10, 29), (2, 30), (0, 33), ('d', 49)]

Utility of 0 : 15.0

Utility of 1 : 1.0

Utility of 2 : 16.0

Utility of 3 : 20.793002533

Utility of 4 : 147.123765932

Utility of 0 : 85.0

Utility of 1 : 0.0

Utility of 2 : 50.0

Utility of 3 : 81.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 74.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 63.0

Utility of 10 : 45.0

Utility of 11 : 0.0

1153.3773235307665

RTV3 Total Time 49.068754

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (3, 9) 287 1.0

[('d', 18), (3, 20), (9, 20), (9, 31), (3, 34), ('d', 50)]

4 (0, 2, 6, 10) 425 1.0

[('d', 12), (6, 14), (10, 16), (2, 16), (0, 17), (6, 28), (10, 29), (2, 30), (0, 33), ('d', 49)]

Utility of 0 : 15.0

Utility of 1 : 1.0

Utility of 2 : 16.0

Utility of 3 : 20.793002533

Utility of 4 : 147.123765932

Utility of 0 : 85.0

Utility of 1 : 0.0

Utility of 2 : 50.0

Utility of 3 : 81.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 74.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 63.0

Utility of 10 : 45.0

Utility of 11 : 0.0

1556.0

DRIVERS 5

drivers.append(Driver( (3, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.40010070426035826 ))

drivers.append(Driver( (27, 0) , (16, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.5333471928691105 ))

drivers.append(Driver( (0, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 154 , 0.4168189286882933 ))

drivers.append(Driver( (24, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 91 , 0.7344409845873358 ))

drivers.append(Driver( (1, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 117 , 0.6554656360913763 ))

REQUESTS 13

reqs.append(Passenger( (0, 0) , (17, 0) , 6 , 45 , 17 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 9 , 45 , 22 , 1 , 3 , 65 , 65 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 8 , 51 , 20 , 1 , 3 , 116 , 116 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 8 , 22 , 10 , 1 , 3 , 58 , 58 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 6 , 53 , 20 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 7 , 29 , 12 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (0, 0) , (13, 0) , 1 , 21 , 4 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 10 , 32 , 16 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (1, 0) , (19, 0) , 8 , 28 , 9 , 1 , 3 , 154 , 154 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 10 , 35 , 18 , 1 , 3 , 66 , 66 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 4 , 26 , 10 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 4 , 37 , 13 , 1 , 3 , 119 , 119 ))

reqs.append(Passenger( (4, 0) , (19, 0) , 11 , 42 , 19 , 1 , 3 , 100 , 100 ))

FIRST

RTV3 Total Time 0.947338

0 (12,) 214.9944612656803 1.0

[('d', 10), (0, 11), (0, 26), ('d', 39)]

1 (5, 11) 210.59817054127743 1.0

[('d', 11), (5, 12), (11, 13), (5, 24), (11, 27), ('d', 43)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 (6, 8, 10) 200.595941509542 1.0

[('d', 6), (6, 7), (8, 8), (10, 12), (6, 20), (10, 22), (8, 26), ('d', 39)]

Utility of 0 : -17.1942598572

Utility of 1 : -5.59817054128

Utility of 2 : 16.0

Utility of 3 : 1.0

Utility of 4 : 41.4712646739

Utility of 0 : 57.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 55.0

Utility of 6 : 43.0

Utility of 7 : 0.0

Utility of 8 : 99.0

Utility of 9 : 0.0

Utility of 10 : 54.0

Utility of 11 : 77.0

Utility of 12 : 0.0

1452.1885733164995

RTV3 Total Time 0.935739

0 (8, 10, 12) 344 1.0

[('d', 6), (8, 8), (12, 11), (10, 12), (10, 22), (8, 26), (12, 26), ('d', 39)]

1 (5, 11) 281 1.0

[('d', 11), (5, 12), (11, 13), (5, 24), (11, 27), ('d', 43)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 20.0201408521

Utility of 1 : -5.59817054128

Utility of 2 : 16.0

Utility of 3 : 1.0

Utility of 4 : 3.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 55.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 99.0

Utility of 9 : 0.0

Utility of 10 : 54.0

Utility of 11 : 77.0

Utility of 12 : 47.0

1650.0

DRIVERS 5

drivers.append(Driver( (1, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 147 , 0.012021680977818971 ))

drivers.append(Driver( (25, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.8557833461771688 ))

drivers.append(Driver( (0, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 161 , 0.07551519392106965 ))

drivers.append(Driver( (28, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.4428132951279671 ))

drivers.append(Driver( (4, 0) , (19, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.9511529943196603 ))

REQUESTS 14

reqs.append(Passenger( (2, 0) , (15, 0) , 2 , 19 , 4 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 7 , 36 , 16 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 11 , 52 , 25 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (27, 0) , (17, 0) , 1 , 16 , 3 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 9 , 38 , 20 , 1 , 3 , 46 , 46 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 7 , 23 , 12 , 1 , 3 , 40 , 40 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 6 , 24 , 8 , 1 , 3 , 113 , 113 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 7 , 36 , 17 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (3, 0) , (18, 0) , 12 , 31 , 14 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 9 , 46 , 23 , 1 , 3 , 70 , 70 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 12 , 43 , 24 , 1 , 3 , 53 , 53 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 0 , 30 , 10 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 9 , 51 , 21 , 1 , 3 , 113 , 113 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 9 , 34 , 16 , 1 , 3 , 91 , 91 ))

FIRST

RTV3 Total Time 399.669999

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 7, 9, 13) 190.8147810342868 1.0

[('d', 13), (13, 16), (7, 17), (9, 17), (1, 20), (7, 26), (9, 26), (13, 27), (1, 30), ('d', 47)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 (0, 4, 6) 172.49937898837908 1.0

[('d', 4), (0, 6), (6, 8), (4, 9), (4, 16), (0, 19), (6, 21), ('d', 41)]

Utility of 0 : 15.0

Utility of 1 : 66.6273855039

Utility of 2 : 17.0

Utility of 3 : 11.0

Utility of 4 : 78.1356320855

Utility of 0 : 73.0

Utility of 1 : 44.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 14.0

Utility of 5 : 0.0

Utility of 6 : 74.0

Utility of 7 : 30.0

Utility of 8 : 0.0

Utility of 9 : 37.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 0.0

Utility of 13 : 58.0

1291.3141600226659

RTV3 Total Time 552.451550

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 7, 9, 13) 344 1.0

[('d', 13), (13, 16), (7, 17), (9, 17), (1, 20), (7, 26), (9, 26), (13, 27), (1, 30), ('d', 47)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 (0, 4, 6) 338 1.0

[('d', 4), (0, 6), (6, 8), (4, 9), (4, 16), (0, 19), (6, 21), ('d', 41)]

Utility of 0 : 15.0

Utility of 1 : 66.6273855039

Utility of 2 : 17.0

Utility of 3 : 11.0

Utility of 4 : 78.1356320855

Utility of 0 : 73.0

Utility of 1 : 44.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 14.0

Utility of 5 : 0.0

Utility of 6 : 74.0

Utility of 7 : 30.0

Utility of 8 : 0.0

Utility of 9 : 37.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 0.0

Utility of 13 : 58.0

1610.0

DRIVERS 5

drivers.append(Driver( (4, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.3283325110923788 ))

drivers.append(Driver( (28, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.325692979981703 ))

drivers.append(Driver( (0, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.3045715913083624 ))

drivers.append(Driver( (29, 0) , (14, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 174 , 0.2644763802241933 ))

drivers.append(Driver( (3, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.6823814164083974 ))

REQUESTS 5

reqs.append(Passenger( (2, 0) , (18, 0) , 2 , 43 , 14 , 1 , 3 , 141 , 141 ))

reqs.append(Passenger( (29, 0) , (15, 0) , 0 , 35 , 10 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (1, 0) , (18, 0) , 2 , 39 , 12 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (29, 0) , (14, 0) , 4 , 42 , 15 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (4, 0) , (16, 0) , 14 , 49 , 25 , 1 , 3 , 74 , 74 ))

FIRST

RTV3 Total Time 0.288884

0 EMPTY0 126 1.0

[('d', 0), ('d', 21)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 150 1.0

[('d', 0), ('d', 25)]

4 (0,) 201.53852827401903 1.0

[('d', 1), (0, 2), (0, 18), ('d', 35)]

Utility of 0 : 18.0

Utility of 1 : 14.0

Utility of 2 : 14.0

Utility of 3 : 24.0

Utility of 4 : -27.7271052709

Utility of 0 : 81.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1144.538528274019

RTV3 Total Time 0.292027

0 EMPTY0 126 1.0

[('d', 0), ('d', 21)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 150 1.0

[('d', 0), ('d', 25)]

4 EMPTY4 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 18.0

Utility of 1 : 14.0

Utility of 2 : 14.0

Utility of 3 : 24.0

Utility of 4 : 14.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1192.0

DRIVERS 5

drivers.append(Driver( (0, 0) , (14, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 160 , 0.8812398407337789 ))

drivers.append(Driver( (26, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.37529568747121633 ))

drivers.append(Driver( (5, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.2136532188252217 ))

drivers.append(Driver( (26, 0) , (12, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.915420364272211 ))

drivers.append(Driver( (0, 0) , (14, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.7479200565865345 ))

REQUESTS 6

reqs.append(Passenger( (2, 0) , (19, 0) , 6 , 34 , 11 , 1 , 3 , 118 , 118 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 7 , 16 , 8 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 13 , 46 , 23 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (27, 0) , (17, 0) , 11 , 37 , 19 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (3, 0) , (13, 0) , 13 , 34 , 18 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 4 , 35 , 13 , 1 , 3 , 85 , 85 ))

FIRST

RTV3 Total Time 0.949703

0 (0, 2, 4) 232.59542627892648 1.0

[('d', 10), (0, 12), (4, 13), (2, 15), (4, 23), (2, 28), (0, 29), ('d', 49)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 (1, 5) 154.61216721550105 1.0

[('d', 6), (5, 7), (1, 8), (1, 15), (5, 19), ('d', 34)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 49.0672159508

Utility of 1 : 13.0

Utility of 2 : 15.0

Utility of 3 : 27.8953105989

Utility of 4 : 12.0

Utility of 0 : 66.0

Utility of 1 : 41.0

Utility of 2 : 46.0

Utility of 3 : 0.0

Utility of 4 : 39.0

Utility of 5 : 43.0

843.2075934944274

RTV3 Total Time 0.945268

0 (0, 2, 4) 378 1.0

[('d', 10), (0, 12), (4, 13), (2, 15), (4, 23), (2, 28), (0, 29), ('d', 49)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 (1, 5) 237 1.0

[('d', 6), (5, 7), (1, 8), (1, 15), (5, 19), ('d', 34)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 49.0672159508

Utility of 1 : 13.0

Utility of 2 : 15.0

Utility of 3 : 27.8953105989

Utility of 4 : 12.0

Utility of 0 : 66.0

Utility of 1 : 41.0

Utility of 2 : 46.0

Utility of 3 : 0.0

Utility of 4 : 39.0

Utility of 5 : 43.0

1071.0

DRIVERS 5

drivers.append(Driver( (4, 0) , (19, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.1494753081368354 ))

drivers.append(Driver( (26, 0) , (17, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.32295750549241575 ))

drivers.append(Driver( (4, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.17119024330342436 ))

drivers.append(Driver( (29, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.9611440068353164 ))

drivers.append(Driver( (2, 0) , (13, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 110 , 0.9529593064180323 ))

REQUESTS 7

reqs.append(Passenger( (5, 0) , (12, 0) , 18 , 36 , 23 , 1 , 3 , 52 , 52 ))

reqs.append(Passenger( (27, 0) , (15, 0) , 12 , 52 , 26 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (4, 0) , (12, 0) , 4 , 12 , 4 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 14 , 49 , 26 , 1 , 3 , 70 , 70 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 1 , 15 , 1 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 8 , 46 , 21 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (4, 0) , (13, 0) , 1 , 31 , 11 , 1 , 3 , 70 , 70 ))

FIRST

RTV3 Total Time 5.472703

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 (1, 3, 5) 193.89585513875016 1.0

[('d', 19), (5, 21), (1, 21), (3, 23), (5, 32), (1, 33), (3, 34), ('d', 50)]

4 (2, 6) 131.57509271222955 1.0

[('d', 2), (6, 4), (2, 4), (2, 12), (6, 13), ('d', 26)]

Utility of 0 : 9.0

Utility of 1 : 1.0

Utility of 2 : 9.0

Utility of 3 : 58.4149928066

Utility of 4 : 29.7541921428

Utility of 0 : 0.0

Utility of 1 : 31.0

Utility of 2 : 33.0

Utility of 3 : 34.0

Utility of 4 : 0.0

Utility of 5 : 53.0

Utility of 6 : 36.0

851.4709478509797

RTV3 Total Time 5.646311

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 (1, 3, 5) 315 1.0

[('d', 19), (5, 21), (1, 21), (3, 23), (5, 32), (1, 33), (3, 34), ('d', 50)]

4 (2, 6) 204 1.0

[('d', 2), (6, 4), (2, 4), (2, 12), (6, 13), ('d', 26)]

Utility of 0 : 9.0

Utility of 1 : 1.0

Utility of 2 : 9.0

Utility of 3 : 58.4149928066

Utility of 4 : 29.7541921428

Utility of 0 : 0.0

Utility of 1 : 31.0

Utility of 2 : 33.0

Utility of 3 : 34.0

Utility of 4 : 0.0

Utility of 5 : 53.0

Utility of 6 : 36.0

1045.0

DRIVERS 5

drivers.append(Driver( (3, 0) , (15, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.9205508217018963 ))

drivers.append(Driver( (26, 0) , (14, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 111 , 0.854625541175615 ))

drivers.append(Driver( (0, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.04796999833981219 ))

drivers.append(Driver( (28, 0) , (16, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.21861047415250023 ))

drivers.append(Driver( (2, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.6392028391469315 ))

REQUESTS 8

reqs.append(Passenger( (2, 0) , (14, 0) , 4 , 35 , 13 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 7 , 40 , 18 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (4, 0) , (14, 0) , 10 , 22 , 11 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 3 , 45 , 17 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (4, 0) , (13, 0) , 17 , 51 , 29 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 19 , 25 , 19 , 1 , 3 , 43 , 43 ))

reqs.append(Passenger( (5, 0) , (14, 0) , 17 , 28 , 18 , 1 , 3 , 54 , 54 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 4 , 28 , 10 , 1 , 3 , 100 , 100 ))

FIRST

RTV3 Total Time 4.354351

0 (0, 2) 182.5805112561952 1.0

[('d', 8), (0, 9), (2, 11), (0, 21), (2, 21), ('d', 42)]

1 (1, 3, 5, 7) 144.2731298590135 1.0

[('d', 14), (7, 16), (1, 17), (3, 18), (5, 19), (5, 24), (7, 28), (1, 28), (3, 32), ('d', 45)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 28.737285457

Utility of 1 : 93.8898658116

Utility of 2 : 11.0

Utility of 3 : 13.0

Utility of 4 : 14.0

Utility of 0 : 49.0

Utility of 1 : 56.0

Utility of 2 : 55.0

Utility of 3 : 72.0

Utility of 4 : 0.0

Utility of 5 : 28.0

Utility of 6 : 0.0

Utility of 7 : 58.0

817.8536411152087

RTV3 Total Time 9.072197

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (1, 3, 5, 7) 334 1.0

[('d', 14), (7, 16), (1, 17), (3, 18), (5, 19), (5, 24), (7, 28), (1, 28), (3, 32), ('d', 45)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

4 (0, 2) 235 1.0

[('d', 9), (0, 9), (2, 11), (0, 21), (2, 21), ('d', 35)]

Utility of 0 : 1.0

Utility of 1 : 93.8898658116

Utility of 2 : 11.0

Utility of 3 : 13.0

Utility of 4 : 29.4770952713

Utility of 0 : 49.0

Utility of 1 : 56.0

Utility of 2 : 55.0

Utility of 3 : 72.0

Utility of 4 : 0.0

Utility of 5 : 28.0

Utility of 6 : 0.0

Utility of 7 : 58.0

1090.0

DRIVERS 5

drivers.append(Driver( (1, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.018016132063297552 ))

drivers.append(Driver( (26, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.2452134966495203 ))

drivers.append(Driver( (0, 0) , (17, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.7373880487406499 ))

drivers.append(Driver( (25, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 163 , 0.5741229581908743 ))

drivers.append(Driver( (3, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.9224788070773196 ))

REQUESTS 9

reqs.append(Passenger( (5, 0) , (12, 0) , 10 , 34 , 18 , 1 , 3 , 44 , 44 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 11 , 28 , 14 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (1, 0) , (14, 0) , 3 , 32 , 11 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 1 , 28 , 11 , 1 , 3 , 52 , 52 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 6 , 34 , 10 , 1 , 3 , 151 , 151 ))

reqs.append(Passenger( (27, 0) , (19, 0) , 15 , 36 , 21 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (0, 0) , (17, 0) , 7 , 31 , 10 , 1 , 3 , 144 , 144 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 14 , 47 , 27 , 1 , 3 , 44 , 44 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 6 , 37 , 15 , 1 , 3 , 96 , 96 ))

FIRST

RTV3 Total Time 49.248702

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 (1, 3, 5, 7) 239.86269556403272 1.0

[('d', 13), (1, 15), (5, 15), (3, 16), (7, 16), (7, 22), (3, 23), (5, 23), (1, 26), ('d', 46)]

4 (2, 4, 6, 8) 139.71370952634544 1.0

[('d', 7), (6, 10), (2, 11), (4, 11), (8, 15), (2, 24), (6, 27), (8, 28), (4, 30), ('d', 43)]

Utility of 0 : 13.0

Utility of 1 : 7.0

Utility of 2 : 13.0

Utility of 3 : 28.9324763976

Utility of 4 : 174.363811667

Utility of 0 : 0.0

Utility of 1 : 56.0

Utility of 2 : 49.0

Utility of 3 : 26.0

Utility of 4 : 93.0

Utility of 5 : 37.0

Utility of 6 : 93.0

Utility of 7 : 15.0

Utility of 8 : 57.0

837.5764050903781

RTV3 Total Time 56.281706

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 (2, 4, 6, 8) 413 1.0

[('d', 10), (6, 10), (2, 11), (4, 11), (8, 15), (2, 24), (6, 27), (8, 28), (4, 30), ('d', 46)]

3 (1, 3, 5, 7) 330 1.0

[('d', 13), (1, 15), (5, 15), (3, 16), (7, 16), (7, 22), (3, 23), (5, 23), (1, 26), ('d', 46)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 13.0

Utility of 1 : 7.0

Utility of 2 : 140.317310232

Utility of 3 : 28.9324763976

Utility of 4 : 14.0

Utility of 0 : 0.0

Utility of 1 : 56.0

Utility of 2 : 49.0

Utility of 3 : 26.0

Utility of 4 : 93.0

Utility of 5 : 37.0

Utility of 6 : 93.0

Utility of 7 : 15.0

Utility of 8 : 57.0

1177.0

DRIVERS 5

drivers.append(Driver( (0, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.5236778918838394 ))

drivers.append(Driver( (25, 0) , (14, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.010425144784656726 ))

drivers.append(Driver( (3, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.6510724243584727 ))

drivers.append(Driver( (25, 0) , (18, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.5920488129939058 ))

drivers.append(Driver( (2, 0) , (18, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 172 , 0.08533518654669103 ))

REQUESTS 10

reqs.append(Passenger( (3, 0) , (19, 0) , 0 , 17 , 0 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 15 , 52 , 28 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (4, 0) , (20, 0) , 1 , 37 , 11 , 1 , 3 , 130 , 130 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 10 , 37 , 16 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 4 , 20 , 6 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 2 , 23 , 9 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (1, 0) , (14, 0) , 11 , 27 , 12 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 1 , 20 , 3 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (5, 0) , (13, 0) , 1 , 37 , 15 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 6 , 35 , 16 , 1 , 3 , 80 , 80 ))

FIRST

RTV3 Total Time 0.492621

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 (5, 9) 180.34741157857286 1.0

[('d', 8), (5, 9), (9, 10), (5, 16), (9, 19), ('d', 37)]

4 EMPTY4 156 1.0

[('d', 0), ('d', 26)]

Utility of 0 : 6.0

Utility of 1 : 0.0

Utility of 2 : 2.0

Utility of 3 : -7.89970445654

Utility of 4 : 16.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 41.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 47.0

1516.347411578573

RTV3 Total Time 0.492810

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 (5, 9) 236 1.0

[('d', 8), (5, 9), (9, 10), (5, 16), (9, 19), ('d', 37)]

4 EMPTY4 156 1.0

[('d', 0), ('d', 26)]

Utility of 0 : 6.0

Utility of 1 : 0.0

Utility of 2 : 2.0

Utility of 3 : -7.89970445654

Utility of 4 : 16.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 41.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 47.0

1572.0

DRIVERS 5

drivers.append(Driver( (3, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.009462729173073892 ))

drivers.append(Driver( (26, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 161 , 0.7729763034654585 ))

drivers.append(Driver( (4, 0) , (14, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.5571294020021772 ))

drivers.append(Driver( (25, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.22975252790353573 ))

drivers.append(Driver( (0, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.317984537084988 ))

REQUESTS 11

reqs.append(Passenger( (5, 0) , (17, 0) , 4 , 31 , 11 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 13 , 24 , 13 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 7 , 48 , 21 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 2 , 24 , 6 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (3, 0) , (18, 0) , 1 , 21 , 3 , 1 , 3 , 131 , 131 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 6 , 20 , 8 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 12 , 48 , 25 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 11 , 39 , 20 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (3, 0) , (15, 0) , 13 , 25 , 13 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 11 , 38 , 17 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (0, 0) , (20, 0) , 2 , 48 , 15 , 1 , 3 , 127 , 127 ))

FIRST

RTV3 Total Time 1.539883

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 (3, 7, 9) 228.4156966593884 1.0

[('d', 11), (3, 11), (7, 11), (9, 11), (7, 20), (3, 24), (9, 25), ('d', 46)]

2 (4,) 185.08687142781275 1.0

[('d', 1), (0, 2), (0, 17), ('d', 32)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

Utility of 0 : 10.0

Utility of 1 : 45.1247772713

Utility of 2 : -50.8432473419

Utility of 3 : 5.0

Utility of 4 : 1.0

Utility of 0 : 29.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 70.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 25.0

Utility of 8 : 0.0

Utility of 9 : 41.0

Utility of 10 : 0.0

1421.5025680872013

RTV3 Total Time 1.536253

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 (3, 7, 9) 349 1.0

[('d', 11), (3, 11), (7, 11), (9, 11), (7, 20), (3, 24), (9, 25), ('d', 46)]

2 (4,) 233 1.0

[('d', 1), (0, 2), (0, 17), ('d', 32)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

Utility of 0 : 10.0

Utility of 1 : 45.1247772713

Utility of 2 : -50.8432473419

Utility of 3 : 5.0

Utility of 4 : 1.0

Utility of 0 : 29.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 70.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 25.0

Utility of 8 : 0.0

Utility of 9 : 41.0

Utility of 10 : 0.0

1590.0

DRIVERS 5

drivers.append(Driver( (0, 0) , (12, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 118 , 0.3143701012684261 ))

drivers.append(Driver( (26, 0) , (17, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.983668884331859 ))

drivers.append(Driver( (4, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.21646638429430665 ))

drivers.append(Driver( (26, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.2404200738893365 ))

drivers.append(Driver( (1, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 155 , 0.21389551244852834 ))

REQUESTS 12

reqs.append(Passenger( (3, 0) , (20, 0) , 2 , 22 , 3 , 1 , 3 , 136 , 136 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 1 , 10 , 1 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 8 , 51 , 20 , 1 , 3 , 160 , 160 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 13 , 35 , 18 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 1 , 35 , 8 , 1 , 3 , 132 , 132 ))

reqs.append(Passenger( (25, 0) , (15, 0) , 15 , 45 , 25 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 9 , 28 , 9 , 1 , 3 , 137 , 137 ))

reqs.append(Passenger( (24, 0) , (19, 0) , 22 , 32 , 24 , 1 , 3 , 30 , 30 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 6 , 37 , 13 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (29, 0) , (15, 0) , 8 , 43 , 18 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (1, 0) , (13, 0) , 6 , 45 , 19 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 17 , 33 , 20 , 1 , 3 , 71 , 71 ))

FIRST

RTV3 Total Time 12.632657

0 EMPTY0 102 1.0

[('d', 0), ('d', 17)]

1 (3, 5, 9, 11) 142.7398254880043 1.0

[('d', 15), (9, 18), (3, 20), (11, 20), (5, 22), (11, 29), (3, 31), (9, 32), (5, 32), ('d', 51)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

Utility of 0 : 16.0

Utility of 1 : 121.34183009

Utility of 2 : 1.0

Utility of 3 : 12.0

Utility of 4 : 11.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 58.0

Utility of 4 : 0.0

Utility of 5 : 53.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 69.0

Utility of 10 : 0.0

Utility of 11 : 44.0

1467.7398254880043

RTV3 Total Time 15.579330

0 EMPTY0 102 1.0

[('d', 0), ('d', 17)]

1 (3, 5, 9, 11) 368 1.0

[('d', 15), (9, 18), (3, 20), (11, 20), (5, 22), (11, 29), (3, 31), (9, 32), (5, 32), ('d', 51)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

Utility of 0 : 16.0

Utility of 1 : 121.34183009

Utility of 2 : 1.0

Utility of 3 : 12.0

Utility of 4 : 11.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 58.0

Utility of 4 : 0.0

Utility of 5 : 53.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 69.0

Utility of 10 : 0.0

Utility of 11 : 44.0

1693.0

DRIVERS 5

drivers.append(Driver( (2, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.20470672408148416 ))

drivers.append(Driver( (28, 0) , (19, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.4307755184387656 ))

drivers.append(Driver( (1, 0) , (17, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.1469113566830762 ))

drivers.append(Driver( (26, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 93 , 0.01920810235184245 ))

drivers.append(Driver( (5, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.12137426056829592 ))

REQUESTS 13

reqs.append(Passenger( (4, 0) , (19, 0) , 11 , 42 , 19 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 2 , 17 , 5 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 6 , 35 , 12 , 1 , 3 , 139 , 139 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 10 , 20 , 11 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (2, 0) , (19, 0) , 3 , 46 , 16 , 1 , 3 , 150 , 150 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 8 , 20 , 9 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (5, 0) , (13, 0) , 17 , 34 , 21 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (24, 0) , (19, 0) , 14 , 25 , 17 , 1 , 3 , 36 , 36 ))

reqs.append(Passenger( (2, 0) , (15, 0) , 0 , 34 , 10 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 2 , 43 , 15 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 6 , 32 , 13 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (29, 0) , (20, 0) , 4 , 37 , 16 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (4, 0) , (19, 0) , 2 , 44 , 15 , 1 , 3 , 131 , 131 ))

FIRST

RTV3 Total Time 0.531735

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 14.0

Utility of 1 : 17.0

Utility of 2 : 1.0

Utility of 3 : 3.0

Utility of 4 : 10.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 0.0

1763.0

RTV3 Total Time 0.524327

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 14.0

Utility of 1 : 17.0

Utility of 2 : 1.0

Utility of 3 : 3.0

Utility of 4 : 10.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 0.0

1763.0

DRIVERS 5

drivers.append(Driver( (0, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 147 , 0.19043201926440312 ))

drivers.append(Driver( (28, 0) , (18, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.8799585512079483 ))

drivers.append(Driver( (0, 0) , (16, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.4536314093935394 ))

drivers.append(Driver( (29, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.336911959277309 ))

drivers.append(Driver( (3, 0) , (16, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.3243738179587743 ))

REQUESTS 14

reqs.append(Passenger( (3, 0) , (15, 0) , 7 , 40 , 17 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 13 , 39 , 19 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 9 , 50 , 22 , 1 , 3 , 121 , 121 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 0 , 18 , 2 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (2, 0) , (15, 0) , 1 , 14 , 1 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 11 , 31 , 14 , 1 , 3 , 109 , 109 ))

reqs.append(Passenger( (0, 0) , (13, 0) , 0 , 34 , 10 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (24, 0) , (12, 0) , 15 , 29 , 16 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 0 , 25 , 9 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (29, 0) , (17, 0) , 10 , 36 , 17 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 9 , 24 , 10 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (29, 0) , (13, 0) , 1 , 36 , 10 , 1 , 3 , 118 , 118 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 12 , 45 , 25 , 1 , 3 , 45 , 45 ))

reqs.append(Passenger( (27, 0) , (14, 0) , 0 , 33 , 10 , 1 , 3 , 91 , 91 ))

FIRST

RTV3 Total Time 14.239577

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (1, 5, 11, 13) 187.69094248110164 1.0

[('d', 9), (11, 10), (13, 12), (5, 13), (1, 13), (13, 25), (11, 26), (5, 26), (1, 27), ('d', 48)]

2 (6,) 219.22569234911012 1.0

[('d', 0), (0, 0), (0, 13), ('d', 32)]

3 (9,) 213.52352162890764 1.0

[('d', 10), (0, 10), (0, 22), ('d', 39)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 3.0

Utility of 1 : 121.389430558

Utility of 2 : -13.7720609397

Utility of 3 : -34.4335348598

Utility of 4 : 4.0

Utility of 0 : -47.0

Utility of 1 : 66.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 69.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 70.0

Utility of 12 : 0.0

Utility of 13 : 50.0

1608.4401564591194

RTV3 Total Time 14.283873

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (1, 5, 11, 13) 420 1.0

[('d', 9), (11, 10), (13, 12), (5, 13), (1, 13), (13, 25), (11, 26), (5, 26), (1, 27), ('d', 48)]

2 EMPTY2 150 1.0

[('d', 0), ('d', 25)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

Utility of 0 : 3.0

Utility of 1 : 121.389430558

Utility of 2 : 6.0

Utility of 3 : 21.0

Utility of 4 : 4.0

Utility of 0 : 0.0

Utility of 1 : 66.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 69.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 70.0

Utility of 12 : 0.0

Utility of 13 : 50.0

1859.0

DRIVERS 6

drivers.append(Driver( (2, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.12725317515774892 ))

drivers.append(Driver( (29, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.5043989824965457 ))

drivers.append(Driver( (5, 0) , (13, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.8672231385741175 ))

drivers.append(Driver( (25, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 100 , 0.5798256388708675 ))

drivers.append(Driver( (0, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 164 , 0.3217235446365131 ))

drivers.append(Driver( (28, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.8212453581075675 ))

REQUESTS 5

reqs.append(Passenger( (1, 0) , (14, 0) , 9 , 42 , 19 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 0 , 16 , 3 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (3, 0) , (15, 0) , 10 , 36 , 17 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 7 , 44 , 18 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (0, 0) , (17, 0) , 1 , 20 , 2 , 1 , 3 , 124 , 124 ))

FIRST

RTV3 Total Time 0.221386

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 (3,) 218.78005087517272 1.0

[('d', 5), (0, 7), (0, 21), ('d', 36)]

2 (2,) 188.3649422698306 1.0

[('d', 8), (0, 10), (0, 22), ('d', 40)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 (1,) 177.1501856756973 1.0

[('d', 2), (0, 4), (0, 13), ('d', 32)]

Utility of 0 : 3.0

Utility of 1 : -23.3724295076

Utility of 2 : -72.3361156929

Utility of 3 : 4.0

Utility of 4 : 20.0

Utility of 5 : -78.0622679054

Utility of 0 : -34.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1181.2951788207006

RTV3 Total Time 0.221496

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 3.0

Utility of 1 : 21.0

Utility of 2 : 18.0

Utility of 3 : 4.0

Utility of 4 : 20.0

Utility of 5 : 19.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1227.0

DRIVERS 6

drivers.append(Driver( (0, 0) , (16, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 174 , 0.33943956825883903 ))

drivers.append(Driver( (24, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 96 , 0.13561116170711562 ))

drivers.append(Driver( (1, 0) , (14, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.020171006955263304 ))

drivers.append(Driver( (28, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 114 , 0.028967936963262386 ))

drivers.append(Driver( (5, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.4428704473218519 ))

drivers.append(Driver( (28, 0) , (16, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.037988623720197734 ))

REQUESTS 6

reqs.append(Passenger( (2, 0) , (18, 0) , 4 , 28 , 8 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (29, 0) , (15, 0) , 9 , 33 , 14 , 1 , 3 , 113 , 113 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 10 , 47 , 22 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (24, 0) , (20, 0) , 20 , 25 , 20 , 1 , 3 , 33 , 33 ))

reqs.append(Passenger( (2, 0) , (18, 0) , 8 , 49 , 20 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (29, 0) , (15, 0) , 12 , 55 , 26 , 1 , 3 , 108 , 108 ))

FIRST

RTV3 Total Time 0.258436

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 96 1.0

[('d', 0), ('d', 16)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 (2,) 190.55619824014852 1.0

[('d', 9), (0, 10), (0, 23), ('d', 36)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 24.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 6.0

Utility of 4 : -19.870643608

Utility of 5 : 18.0

Utility of 0 : 59.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

1285.5561982401487

RTV3 Total Time 0.259668

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 96 1.0

[('d', 0), ('d', 16)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 108 1.0

[('d', 0), ('d', 18)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 24.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 6.0

Utility of 4 : 17.0

Utility of 5 : 18.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

1313.0

DRIVERS 6

drivers.append(Driver( (1, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.12182049790378813 ))

drivers.append(Driver( (26, 0) , (14, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.657392167563974 ))

drivers.append(Driver( (1, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 172 , 0.1767757622450138 ))

drivers.append(Driver( (26, 0) , (12, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.76248799803284 ))

drivers.append(Driver( (3, 0) , (18, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.6267869158199547 ))

drivers.append(Driver( (29, 0) , (14, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.18736393403551843 ))

REQUESTS 7

reqs.append(Passenger( (2, 0) , (12, 0) , 6 , 34 , 15 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 0 , 13 , 1 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 5 , 24 , 9 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 8 , 20 , 9 , 1 , 3 , 63 , 63 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 0 , 15 , 0 , 1 , 3 , 129 , 129 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 21 , 50 , 32 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 4 , 23 , 4 , 1 , 3 , 150 , 150 ))

FIRST

RTV3 Total Time 0.274925

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 (1,) 164.1303916218013 1.0

[('d', 1), (0, 2), (0, 13), ('d', 28)]

2 EMPTY2 162 1.0

[('d', 0), ('d', 27)]

3 (5,) 161.83789606491627 1.0

[('d', 20), (0, 21), (0, 27), ('d', 43)]

4 (6,) 230.82845608128434 1.0

[('d', 3), (0, 4), (0, 22), ('d', 42)]

5 EMPTY5 144 1.0

[('d', 0), ('d', 24)]

Utility of 0 : 8.0

Utility of 1 : -14.361705465

Utility of 2 : 10.0

Utility of 3 : -110.636167782

Utility of 4 : -242.711024282

Utility of 5 : 4.0

Utility of 0 : -159.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

1315.7967437680018

RTV3 Total Time 0.275789

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 (1,) 197 1.0

[('d', 1), (0, 2), (0, 13), ('d', 28)]

2 EMPTY2 162 1.0

[('d', 0), ('d', 27)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

4 (6,) 291 1.0

[('d', 3), (0, 4), (0, 22), ('d', 42)]

5 EMPTY5 144 1.0

[('d', 0), ('d', 24)]

Utility of 0 : 8.0

Utility of 1 : -14.361705465

Utility of 2 : 10.0

Utility of 3 : 12.0

Utility of 4 : -77.2392785051

Utility of 5 : 4.0

Utility of 0 : -27.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 0.0

1418.0

DRIVERS 6

drivers.append(Driver( (1, 0) , (17, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.7155992132873145 ))

drivers.append(Driver( (24, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 103 , 0.5041919321043631 ))

drivers.append(Driver( (3, 0) , (16, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.5168378664033136 ))

drivers.append(Driver( (28, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 167 , 0.9088733347829672 ))

drivers.append(Driver( (0, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.1721337509744204 ))

drivers.append(Driver( (29, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.5294930906741306 ))

REQUESTS 8

reqs.append(Passenger( (1, 0) , (12, 0) , 5 , 20 , 7 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (24, 0) , (13, 0) , 10 , 25 , 12 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 4 , 43 , 16 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 4 , 27 , 7 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 2 , 30 , 10 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (29, 0) , (20, 0) , 18 , 30 , 19 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (2, 0) , (19, 0) , 9 , 40 , 16 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 2 , 19 , 2 , 1 , 3 , 116 , 116 ))

FIRST

RTV3 Total Time 0.703108

0 (0, 2, 4) 259.06373295444394 1.0

[('d', 5), (4, 6), (0, 7), (2, 11), (4, 18), (0, 18), (2, 26), ('d', 47)]

1 EMPTY1 96 1.0

[('d', 0), ('d', 16)]

2 EMPTY2 108 1.0

[('d', 0), ('d', 18)]

3 (1, 3) 214.93519982604394 1.0

[('d', 6), (3, 7), (1, 12), (1, 23), (3, 24), ('d', 45)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 (5,) 164.05483855696758 1.0

[('d', 18), (0, 18), (0, 27), ('d', 42)]

Utility of 0 : 13.495874126

Utility of 1 : 7.0

Utility of 2 : 15.0

Utility of 3 : 36.064800174

Utility of 4 : 2.0

Utility of 5 : -64.4156683524

Utility of 0 : -54.0

Utility of 1 : 60.0

Utility of 2 : 74.0

Utility of 3 : 60.0

Utility of 4 : 47.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

1205.0537713374556

RTV3 Total Time 0.708811

0 (0, 2, 4) 380 1.0

[('d', 5), (4, 6), (0, 7), (2, 11), (4, 18), (0, 18), (2, 26), ('d', 47)]

1 EMPTY1 96 1.0

[('d', 0), ('d', 16)]

2 EMPTY2 108 1.0

[('d', 0), ('d', 18)]

3 (1, 3) 324 1.0

[('d', 6), (3, 7), (1, 12), (1, 23), (3, 24), ('d', 45)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 EMPTY5 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 13.495874126

Utility of 1 : 7.0

Utility of 2 : 15.0

Utility of 3 : 36.064800174

Utility of 4 : 2.0

Utility of 5 : 15.0

Utility of 0 : 39.0

Utility of 1 : 60.0

Utility of 2 : 74.0

Utility of 3 : 60.0

Utility of 4 : 47.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 0.0

1455.0

DRIVERS 6

drivers.append(Driver( (0, 0) , (16, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 162 , 0.4176432323237057 ))

drivers.append(Driver( (25, 0) , (14, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.38348714419937524 ))

drivers.append(Driver( (0, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 149 , 0.5241101152385814 ))

drivers.append(Driver( (28, 0) , (13, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.8021304841667315 ))

drivers.append(Driver( (4, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.6424710288353381 ))

drivers.append(Driver( (28, 0) , (20, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.20784506723137675 ))

REQUESTS 9

reqs.append(Passenger( (3, 0) , (12, 0) , 7 , 27 , 12 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (28, 0) , (18, 0) , 12 , 44 , 23 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 8 , 27 , 9 , 1 , 3 , 136 , 136 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 2 , 22 , 8 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (4, 0) , (20, 0) , 1 , 41 , 13 , 1 , 3 , 126 , 126 ))

reqs.append(Passenger( (29, 0) , (18, 0) , 7 , 32 , 14 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 0 , 42 , 14 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 2 , 27 , 6 , 1 , 3 , 113 , 113 ))

reqs.append(Passenger( (2, 0) , (16, 0) , 6 , 49 , 20 , 1 , 3 , 113 , 113 ))

FIRST

RTV3 Total Time 50.151972

0 EMPTY0 156 1.0

[('d', 0), ('d', 26)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 (2, 4, 6, 8) 247.3875160046185 1.0

[('d', 9), (2, 10), (8, 11), (6, 12), (4, 13), (6, 25), (8, 25), (2, 26), (4, 29), ('d', 43)]

3 (3, 5, 7) 194.47190543832335 1.0

[('d', 6), (5, 7), (7, 8), (3, 11), (3, 18), (5, 18), (7, 24), ('d', 39)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 6.0

Utility of 1 : 9.0

Utility of 2 : 84.3231626125

Utility of 3 : 35.9025287517

Utility of 4 : 3.0

Utility of 5 : 18.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 87.0

Utility of 3 : 33.0

Utility of 4 : 78.0

Utility of 5 : 46.0

Utility of 6 : 56.0

Utility of 7 : 63.0

Utility of 8 : 62.0

1098.8594214429418

RTV3 Total Time 56.996436

0 EMPTY0 156 1.0

[('d', 0), ('d', 26)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 (2, 4, 6, 8) 402 1.0

[('d', 9), (2, 10), (8, 11), (6, 12), (4, 13), (6, 25), (8, 25), (2, 26), (4, 29), ('d', 43)]

3 (1, 3, 5) 277 1.0

[('d', 10), (5, 11), (1, 12), (3, 15), (3, 22), (5, 22), (1, 22), ('d', 37)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 6.0

Utility of 1 : 9.0

Utility of 2 : 84.3231626125

Utility of 3 : 45.442875195

Utility of 4 : 3.0

Utility of 5 : 18.0

Utility of 0 : 0.0

Utility of 1 : 35.0

Utility of 2 : 87.0

Utility of 3 : 29.0

Utility of 4 : 78.0

Utility of 5 : 50.0

Utility of 6 : 56.0

Utility of 7 : 0.0

Utility of 8 : 62.0

1373.0

DRIVERS 6

drivers.append(Driver( (1, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.4720908945660527 ))

drivers.append(Driver( (28, 0) , (15, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.5705162055947501 ))

drivers.append(Driver( (3, 0) , (13, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.9090850283765906 ))

drivers.append(Driver( (26, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.4271563256516653 ))

drivers.append(Driver( (2, 0) , (15, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.5171125634687881 ))

drivers.append(Driver( (24, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.32561737283304026 ))

REQUESTS 10

reqs.append(Passenger( (5, 0) , (18, 0) , 14 , 47 , 24 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 8 , 39 , 20 , 1 , 3 , 53 , 53 ))

reqs.append(Passenger( (4, 0) , (16, 0) , 14 , 28 , 15 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 17 , 33 , 21 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (5, 0) , (14, 0) , 18 , 54 , 31 , 1 , 3 , 63 , 63 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 8 , 25 , 13 , 1 , 3 , 50 , 50 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 11 , 34 , 16 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 7 , 32 , 16 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (3, 0) , (18, 0) , 8 , 34 , 13 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 3 , 22 , 4 , 1 , 3 , 138 , 138 ))

FIRST

RTV3 Total Time 8.993500

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 5, 7, 9) 252.73656678735023 1.0

[('d', 4), (9, 5), (1, 8), (7, 10), (5, 10), (1, 15), (7, 16), (5, 16), (9, 22), ('d', 41)]

2 (0, 2, 6, 8) 169.45599799098233 1.0

[('d', 8), (6, 11), (8, 14), (2, 15), (0, 16), (6, 23), (2, 27), (8, 29), (0, 29), ('d', 44)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 12.0

Utility of 1 : 15.7120766896

Utility of 2 : 102.816811612

Utility of 3 : 14.0

Utility of 4 : 20.0

Utility of 5 : 9.0

Utility of 0 : 65.0

Utility of 1 : 20.0

Utility of 2 : 59.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 29.0

Utility of 6 : 44.0

Utility of 7 : 24.0

Utility of 8 : 65.0

Utility of 9 : 86.0

1063.1925647783326

RTV3 Total Time 9.563134

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 5, 7, 9) 356 1.0

[('d', 4), (9, 5), (1, 8), (7, 10), (5, 10), (1, 15), (7, 16), (5, 16), (9, 22), ('d', 41)]

2 (0, 2, 6, 8) 394 1.0

[('d', 8), (6, 11), (8, 14), (2, 15), (0, 16), (6, 23), (2, 27), (8, 29), (0, 29), ('d', 44)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 12.0

Utility of 1 : 15.7120766896

Utility of 2 : 102.816811612

Utility of 3 : 14.0

Utility of 4 : 20.0

Utility of 5 : 9.0

Utility of 0 : 65.0

Utility of 1 : 20.0

Utility of 2 : 59.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 29.0

Utility of 6 : 44.0

Utility of 7 : 24.0

Utility of 8 : 65.0

Utility of 9 : 86.0

1391.0

DRIVERS 6

drivers.append(Driver( (1, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.5913412357437735 ))

drivers.append(Driver( (25, 0) , (16, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.7684717754173451 ))

drivers.append(Driver( (0, 0) , (15, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 157 , 0.07504095456599025 ))

drivers.append(Driver( (29, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.00979071660477926 ))

drivers.append(Driver( (2, 0) , (16, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.22719302261487961 ))

drivers.append(Driver( (24, 0) , (19, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 106 , 0.1538865160705014 ))

REQUESTS 11

reqs.append(Passenger( (0, 0) , (14, 0) , 4 , 28 , 9 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 8 , 28 , 11 , 1 , 3 , 121 , 121 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 10 , 32 , 16 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 6 , 43 , 17 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 1 , 16 , 2 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (29, 0) , (14, 0) , 3 , 40 , 14 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 3 , 40 , 14 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (29, 0) , (17, 0) , 5 , 41 , 17 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 6 , 38 , 17 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 3 , 19 , 5 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (0, 0) , (17, 0) , 10 , 30 , 11 , 1 , 3 , 141 , 141 ))

FIRST

RTV3 Total Time 19.030622

0 (0, 2, 6, 10) 216.3811601704623 1.0

[('d', 10), (0, 11), (10, 11), (6, 12), (2, 14), (2, 23), (0, 25), (6, 27), (10, 28), ('d', 43)]

1 (1, 3) 214.4977054628156 1.0

[('d', 8), (3, 11), (1, 11), (1, 25), (3, 26), ('d', 46)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

Utility of 0 : 97.0707924151

Utility of 1 : 21.8914638847

Utility of 2 : 13.0

Utility of 3 : 11.0

Utility of 4 : 13.0

Utility of 5 : 4.0

Utility of 0 : 80.0

Utility of 1 : 79.0

Utility of 2 : 39.0

Utility of 3 : 64.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 60.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 90.0

1327.8788656332779

RTV3 Total Time 21.570624

0 (0, 2, 6, 10) 379 1.0

[('d', 10), (0, 11), (10, 11), (6, 12), (2, 14), (2, 23), (0, 25), (6, 27), (10, 28), ('d', 43)]

1 (1, 3) 329 1.0

[('d', 8), (3, 11), (1, 11), (1, 25), (3, 26), ('d', 46)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

Utility of 0 : 97.0707924151

Utility of 1 : 21.8914638847

Utility of 2 : 13.0

Utility of 3 : 11.0

Utility of 4 : 13.0

Utility of 5 : 4.0

Utility of 0 : 80.0

Utility of 1 : 79.0

Utility of 2 : 39.0

Utility of 3 : 64.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 60.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 90.0

1605.0

DRIVERS 6

drivers.append(Driver( (0, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.7745016307858421 ))

drivers.append(Driver( (24, 0) , (15, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.30817753974823336 ))

drivers.append(Driver( (4, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.822233655452023 ))

drivers.append(Driver( (26, 0) , (19, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 110 , 0.9703247629928818 ))

drivers.append(Driver( (4, 0) , (14, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.7826746875548448 ))

drivers.append(Driver( (27, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.9363467602813683 ))

REQUESTS 12

reqs.append(Passenger( (4, 0) , (12, 0) , 12 , 49 , 26 , 1 , 3 , 69 , 69 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 3 , 40 , 17 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 11 , 49 , 22 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (29, 0) , (13, 0) , 10 , 29 , 11 , 1 , 3 , 123 , 123 ))

reqs.append(Passenger( (1, 0) , (13, 0) , 2 , 14 , 2 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 12 , 30 , 14 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (4, 0) , (16, 0) , 4 , 27 , 9 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 2 , 27 , 8 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 10 , 51 , 22 , 1 , 3 , 135 , 135 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 1 , 12 , 2 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 12 , 54 , 26 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 1 , 26 , 9 , 1 , 3 , 60 , 60 ))

FIRST

RTV3 Total Time 85.191913

0 (4,) 150.78488584499104 1.0

[('d', 1), (0, 2), (0, 14), ('d', 29)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 (0, 2, 8, 10) 187.68595054883014 1.0

[('d', 17), (2, 21), (8, 24), (0, 25), (10, 26), (0, 33), (2, 36), (10, 39), (8, 40), ('d', 54)]

3 (7, 9) 175.759797041662 1.0

[('d', 1), (9, 2), (7, 4), (9, 11), (7, 16), ('d', 34)]

4 (6,) 198.1276631226965 1.0

[('d', 4), (0, 4), (0, 16), ('d', 35)]

5 (1, 3, 5, 11) 158.6033414642891 1.0

[('d', 9), (3, 11), (11, 12), (1, 12), (5, 14), (11, 20), (1, 20), (3, 27), (5, 27), ('d', 41)]

Utility of 0 : -38.0294853229

Utility of 1 : 18.0

Utility of 2 : -101.288934622

Utility of 3 : -2.64109609363

Utility of 4 : -326.76288752

Utility of 5 : 97.9058844535

Utility of 0 : -201.0

Utility of 1 : 33.0

Utility of 2 : 49.0

Utility of 3 : 75.0

Utility of 4 : 0.0

Utility of 5 : 49.0

Utility of 6 : 0.0

Utility of 7 : 42.0

Utility of 8 : 85.0

Utility of 9 : 47.0

Utility of 10 : 75.0

Utility of 11 : 33.0

996.9616380224688

RTV3 Total Time 117.885205

0 (4,) 205 1.0

[('d', 1), (0, 2), (0, 14), ('d', 29)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 (0, 6, 8, 10) 381 1.0

[('d', 13), (8, 14), (6, 15), (0, 15), (10, 16), (0, 23), (6, 27), (10, 29), (8, 30), ('d', 44)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 (3, 5, 7, 11) 357 1.0

[('d', 8), (3, 10), (11, 11), (5, 13), (7, 14), (11, 19), (7, 26), (3, 26), (5, 26), ('d', 40)]

Utility of 0 : -38.0294853229

Utility of 1 : 18.0

Utility of 2 : -11.1326816392

Utility of 3 : 2.0

Utility of 4 : 19.0

Utility of 5 : 104.523965015

Utility of 0 : -93.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 74.0

Utility of 4 : 0.0

Utility of 5 : 48.0

Utility of 6 : 36.0

Utility of 7 : 40.0

Utility of 8 : 79.0

Utility of 9 : 0.0

Utility of 10 : 65.0

Utility of 11 : 34.0

1534.0

DRIVERS 6

drivers.append(Driver( (2, 0) , (17, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.28693408398017006 ))

drivers.append(Driver( (29, 0) , (14, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.6390515767210352 ))

drivers.append(Driver( (2, 0) , (13, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.6522171733761182 ))

drivers.append(Driver( (26, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 98 , 0.8739606459749122 ))

drivers.append(Driver( (0, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 136 , 0.6902333194063325 ))

drivers.append(Driver( (28, 0) , (17, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.7275146333930216 ))

REQUESTS 13

reqs.append(Passenger( (2, 0) , (18, 0) , 3 , 44 , 15 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (27, 0) , (14, 0) , 4 , 38 , 14 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (1, 0) , (14, 0) , 0 , 18 , 2 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 10 , 46 , 21 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (2, 0) , (17, 0) , 10 , 50 , 22 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (24, 0) , (12, 0) , 1 , 18 , 3 , 1 , 3 , 102 , 102 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 4 , 27 , 9 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 13 , 35 , 18 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 5 , 21 , 8 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 17 , 35 , 22 , 1 , 3 , 43 , 43 ))

reqs.append(Passenger( (2, 0) , (19, 0) , 3 , 48 , 17 , 1 , 3 , 122 , 122 ))

reqs.append(Passenger( (24, 0) , (19, 0) , 20 , 54 , 34 , 1 , 3 , 38 , 38 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 12 , 48 , 22 , 1 , 3 , 98 , 98 ))

FIRST

RTV3 Total Time 210.405671

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (2, 6, 8) 235.16742399358228 1.0

[('d', 3), (2, 4), (8, 5), (6, 8), (8, 15), (2, 17), (6, 21), ('d', 39)]

3 (5,) 143.3185973656558 1.0

[('d', 2), (0, 4), (0, 16), ('d', 29)]

4 (0, 4, 10, 12) 252.10493662010563 1.0

[('d', 15), (12, 16), (0, 17), (10, 17), (4, 17), (12, 31), (4, 32), (0, 33), (10, 34), ('d', 48)]

5 (1, 3, 9) 224.42841959355366 1.0

[('d', 15), (1, 16), (3, 16), (9, 17), (9, 24), (1, 29), (3, 30), ('d', 44)]

Utility of 0 : 8.0

Utility of 1 : 10.0

Utility of 2 : 20.9192729662

Utility of 3 : -12.6884005955

Utility of 4 : 7.20846496757

Utility of 5 : 2.84140480573

Utility of 0 : -65.0

Utility of 1 : 41.0

Utility of 2 : 50.0

Utility of 3 : 38.0

Utility of 4 : 47.0

Utility of 5 : 0.0

Utility of 6 : 54.0

Utility of 7 : 0.0

Utility of 8 : 40.0

Utility of 9 : 17.0

Utility of 10 : 71.0

Utility of 11 : 0.0

Utility of 12 : 47.0

1219.0193775728972

RTV3 Total Time 231.872881

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (2, 6, 8) 333 1.0

[('d', 3), (2, 4), (8, 5), (6, 8), (8, 15), (2, 17), (6, 21), ('d', 39)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 (0, 4, 10, 12) 415 1.0

[('d', 15), (12, 16), (0, 17), (10, 17), (4, 17), (12, 31), (4, 32), (0, 33), (10, 34), ('d', 48)]

5 (1, 3, 9) 303 1.0

[('d', 15), (1, 16), (3, 16), (9, 17), (9, 24), (1, 29), (3, 30), ('d', 44)]

Utility of 0 : 8.0

Utility of 1 : 10.0

Utility of 2 : 20.9192729662

Utility of 3 : 8.0

Utility of 4 : 76.9220302276

Utility of 5 : 2.84140480573

Utility of 0 : 58.0

Utility of 1 : 41.0

Utility of 2 : 50.0

Utility of 3 : 38.0

Utility of 4 : 47.0

Utility of 5 : 0.0

Utility of 6 : 54.0

Utility of 7 : 0.0

Utility of 8 : 40.0

Utility of 9 : 17.0

Utility of 10 : 71.0

Utility of 11 : 0.0

Utility of 12 : 47.0

1607.0

DRIVERS 6

drivers.append(Driver( (2, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 177 , 0.3182285625183512 ))

drivers.append(Driver( (25, 0) , (16, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.6030766677458476 ))

drivers.append(Driver( (5, 0) , (15, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.5594409645869701 ))

drivers.append(Driver( (25, 0) , (13, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.18681513948115447 ))

drivers.append(Driver( (2, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.8129613672018151 ))

drivers.append(Driver( (27, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.9791989833336325 ))

REQUESTS 14

reqs.append(Passenger( (0, 0) , (16, 0) , 11 , 31 , 13 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 5 , 32 , 15 , 1 , 3 , 41 , 41 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 2 , 21 , 3 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 13 , 30 , 17 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 2 , 22 , 4 , 1 , 3 , 137 , 137 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 13 , 42 , 22 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 7 , 47 , 19 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 1 , 40 , 12 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (0, 0) , (17, 0) , 2 , 40 , 12 , 1 , 3 , 130 , 130 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 15 , 40 , 22 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 12 , 28 , 14 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 5 , 47 , 18 , 1 , 3 , 128 , 128 ))

reqs.append(Passenger( (4, 0) , (18, 0) , 11 , 36 , 16 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 2 , 12 , 4 , 1 , 3 , 38 , 38 ))

FIRST

RTV3 Total Time 177.106934

0 (10,) 214.04222918623378 1.0

[('d', 12), (0, 12), (0, 24), ('d', 43)]

1 (13,) 161.12923664184552 1.0

[('d', 2), (0, 2), (0, 7), ('d', 28)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 (0, 6, 8, 12) 177.99673991789538 1.0

[('d', 10), (8, 12), (0, 12), (6, 13), (12, 16), (0, 28), (8, 29), (6, 29), (12, 30), ('d', 43)]

5 (5, 7, 9, 11) 156.20025416659192 1.0

[('d', 15), (5, 17), (7, 18), (11, 18), (9, 19), (5, 27), (9, 30), (11, 33), (7, 34), ('d', 51)]

Utility of 0 : -1.26982912386

Utility of 1 : 99.0122568814

Utility of 2 : 11.0

Utility of 3 : 17.0

Utility of 4 : 233.616049107

Utility of 5 : 123.090960067

Utility of 0 : 59.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 44.0

Utility of 6 : 70.0

Utility of 7 : 66.0

Utility of 8 : 79.0

Utility of 9 : 43.0

Utility of 10 : 0.0

Utility of 11 : 83.0

Utility of 12 : 72.0

Utility of 13 : 0.0

1298.3684599125668

RTV3 Total Time 241.505952

0 (10,) 236 1.0

[('d', 12), (0, 12), (0, 24), ('d', 43)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (13,) 163 1.0

[('d', 2), (0, 2), (0, 7), ('d', 26)]

4 (0, 6, 8, 12) 404 1.0

[('d', 10), (8, 12), (0, 12), (6, 13), (12, 16), (0, 28), (8, 29), (6, 29), (12, 30), ('d', 43)]

5 (5, 7, 9, 11) 401 1.0

[('d', 15), (5, 17), (7, 18), (11, 18), (9, 19), (5, 27), (9, 30), (11, 33), (7, 34), ('d', 51)]

Utility of 0 : -1.26982912386

Utility of 1 : 5.0

Utility of 2 : 11.0

Utility of 3 : 34.1762127567

Utility of 4 : 233.616049107

Utility of 5 : 123.090960067

Utility of 0 : 59.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 44.0

Utility of 6 : 70.0

Utility of 7 : 66.0

Utility of 8 : 79.0

Utility of 9 : 43.0

Utility of 10 : 0.0

Utility of 11 : 83.0

Utility of 12 : 72.0

Utility of 13 : 0.0

1799.0

DRIVERS 6

drivers.append(Driver( (2, 0) , (15, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.40228852907986457 ))

drivers.append(Driver( (26, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.8177158542261084 ))

drivers.append(Driver( (3, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.8355421901019433 ))

drivers.append(Driver( (26, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 92 , 0.5846886162175593 ))

drivers.append(Driver( (2, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.04720502957683492 ))

drivers.append(Driver( (24, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.9131407488308183 ))

REQUESTS 5

reqs.append(Passenger( (1, 0) , (18, 0) , 8 , 47 , 19 , 1 , 3 , 146 , 146 ))

reqs.append(Passenger( (29, 0) , (13, 0) , 7 , 48 , 19 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 9 , 26 , 9 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 7 , 34 , 13 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (5, 0) , (16, 0) , 14 , 46 , 24 , 1 , 3 , 89 , 89 ))

FIRST

RTV3 Total Time 0.249603

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 (3,) 194.30161703798126 1.0

[('d', 5), (0, 7), (0, 21), ('d', 37)]

2 (0,) 216.62349194031538 1.0

[('d', 6), (0, 8), (0, 25), ('d', 44)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 3.0

Utility of 1 : 9.2298585888

Utility of 2 : -9.39276842736

Utility of 3 : 2.0

Utility of 4 : 6.0

Utility of 5 : 12.0

Utility of 0 : 35.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1185.9251089782965

RTV3 Total Time 0.245364

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 3.0

Utility of 1 : 5.0

Utility of 2 : 1.0

Utility of 3 : 2.0

Utility of 4 : 6.0

Utility of 5 : 12.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

1271.0

DRIVERS 6

drivers.append(Driver( (1, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.9514754046418239 ))

drivers.append(Driver( (28, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.47180233973890506 ))

drivers.append(Driver( (1, 0) , (12, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.36611482004712537 ))

drivers.append(Driver( (29, 0) , (17, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 111 , 0.9748202859936583 ))

drivers.append(Driver( (1, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.4941299773903558 ))

drivers.append(Driver( (25, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 102 , 0.727322931218991 ))

REQUESTS 6

reqs.append(Passenger( (5, 0) , (20, 0) , 12 , 55 , 26 , 1 , 3 , 133 , 133 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 1 , 32 , 10 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (4, 0) , (20, 0) , 8 , 36 , 14 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 10 , 40 , 19 , 1 , 3 , 69 , 69 ))

reqs.append(Passenger( (4, 0) , (12, 0) , 17 , 41 , 25 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 11 , 49 , 24 , 1 , 3 , 91 , 91 ))

FIRST

RTV3 Total Time 4.784909

0 (0, 2, 4) 177.31672230876978 1.0

[('d', 14), (2, 17), (4, 17), (0, 18), (4, 25), (2, 33), (0, 33), ('d', 49)]

1 EMPTY1 108 1.0

[('d', 0), ('d', 18)]

2 EMPTY2 108 1.0

[('d', 0), ('d', 18)]

3 (1, 3, 5) 163.52515996088783 1.0

[('d', 10), (1, 11), (5, 11), (3, 13), (5, 22), (1, 23), (3, 24), ('d', 38)]

4 EMPTY4 150 1.0

[('d', 0), ('d', 25)]

5 EMPTY5 90 1.0

[('d', 0), ('d', 15)]

Utility of 0 : 98.605245003

Utility of 1 : 14.0

Utility of 2 : 7.0

Utility of 3 : 49.9784343192

Utility of 4 : 6.0

Utility of 5 : 12.0

Utility of 0 : 80.0

Utility of 1 : 45.0

Utility of 2 : 74.0

Utility of 3 : 30.0

Utility of 4 : 19.0

Utility of 5 : 45.0

796.8418822696576

RTV3 Total Time 5.331563

0 (0, 2, 4) 360 1.0

[('d', 14), (2, 17), (4, 17), (0, 18), (4, 25), (2, 33), (0, 33), ('d', 49)]

1 EMPTY1 108 1.0

[('d', 0), ('d', 18)]

2 EMPTY2 108 1.0

[('d', 0), ('d', 18)]

3 (1, 3, 5) 300 1.0

[('d', 10), (1, 11), (5, 11), (3, 13), (5, 22), (1, 23), (3, 24), ('d', 38)]

4 EMPTY4 150 1.0

[('d', 0), ('d', 25)]

5 EMPTY5 90 1.0

[('d', 0), ('d', 15)]

Utility of 0 : 98.605245003

Utility of 1 : 14.0

Utility of 2 : 7.0

Utility of 3 : 49.9784343192

Utility of 4 : 6.0

Utility of 5 : 12.0

Utility of 0 : 80.0

Utility of 1 : 45.0

Utility of 2 : 74.0

Utility of 3 : 30.0

Utility of 4 : 19.0

Utility of 5 : 45.0

1116.0

DRIVERS 6

drivers.append(Driver( (0, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 154 , 0.9731061743851983 ))

drivers.append(Driver( (27, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 162 , 0.6492761960693848 ))

drivers.append(Driver( (0, 0) , (18, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 188 , 0.5983877114984825 ))

drivers.append(Driver( (24, 0) , (13, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.4524219246667932 ))

drivers.append(Driver( (3, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.5033343645326266 ))

drivers.append(Driver( (29, 0) , (14, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.9602910784940434 ))

REQUESTS 7

reqs.append(Passenger( (5, 0) , (17, 0) , 6 , 42 , 18 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (29, 0) , (18, 0) , 4 , 40 , 16 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (4, 0) , (18, 0) , 11 , 53 , 25 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 18 , 40 , 24 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (5, 0) , (13, 0) , 16 , 36 , 22 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (28, 0) , (18, 0) , 0 , 25 , 7 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (2, 0) , (17, 0) , 10 , 51 , 23 , 1 , 3 , 125 , 125 ))

FIRST

RTV3 Total Time 35.900073

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (5,) 197.97678074543276 1.0

[('d', 1), (0, 2), (0, 12), ('d', 32)]

2 (0, 2, 4, 6) 271.1418051623218 1.0

[('d', 17), (6, 19), (2, 21), (0, 22), (4, 22), (4, 30), (0, 34), (6, 34), (2, 35), ('d', 54)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 (1, 3) 128.36798136565523 1.0

[('d', 17), (1, 17), (3, 18), (3, 27), (1, 28), ('d', 42)]

Utility of 0 : 10.0

Utility of 1 : -8.1188189022

Utility of 2 : -48.606449154

Utility of 3 : 7.0

Utility of 4 : 19.0

Utility of 5 : 62.9099810849

Utility of 0 : -130.0

Utility of 1 : 64.0

Utility of 2 : 52.0

Utility of 3 : 39.0

Utility of 4 : 40.0

Utility of 5 : 0.0

Utility of 6 : 76.0

969.4865672734097

RTV3 Total Time 43.036958

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 150 1.0

[('d', 0), ('d', 25)]

2 (0, 2, 4, 6) 398 1.0

[('d', 17), (6, 19), (2, 21), (0, 22), (4, 22), (4, 30), (0, 34), (6, 34), (2, 35), ('d', 54)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 (1, 5) 229 1.0

[('d', 6), (1, 6), (5, 7), (5, 17), (1, 17), ('d', 31)]

Utility of 0 : 10.0

Utility of 1 : 12.0

Utility of 2 : 68.6775422997

Utility of 3 : 7.0

Utility of 4 : 19.0

Utility of 5 : 63.3467792215

Utility of 0 : 32.0

Utility of 1 : 55.0

Utility of 2 : 52.0

Utility of 3 : 0.0

Utility of 4 : 40.0

Utility of 5 : 37.0

Utility of 6 : 76.0

1221.0

DRIVERS 6

drivers.append(Driver( (2, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.6923576015676159 ))

drivers.append(Driver( (25, 0) , (15, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.7501172639006426 ))

drivers.append(Driver( (3, 0) , (12, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 102 , 0.001259765881754138 ))

drivers.append(Driver( (29, 0) , (19, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.21171878943564104 ))

drivers.append(Driver( (0, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.06446122270805277 ))

drivers.append(Driver( (27, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.019255919693781598 ))

REQUESTS 8

reqs.append(Passenger( (5, 0) , (14, 0) , 9 , 24 , 12 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 12 , 28 , 15 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 4 , 43 , 18 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 6 , 45 , 20 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 2 , 38 , 15 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 13 , 22 , 13 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 13 , 34 , 17 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 9 , 41 , 17 , 1 , 3 , 124 , 124 ))

FIRST

RTV3 Total Time 4.445884

0 (2, 4, 6) 174.68392293664056 1.0

[('d', 15), (4, 15), (6, 15), (2, 17), (4, 25), (6, 27), (2, 28), ('d', 44)]

1 (1, 7) 222.48381758171132 1.0

[('d', 11), (1, 15), (7, 17), (1, 25), (7, 32), ('d', 51)]

2 EMPTY2 90 1.0

[('d', 0), ('d', 15)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 71.2390042587

Utility of 1 : -6.48381758171

Utility of 2 : 12.0

Utility of 3 : 1.0

Utility of 4 : 12.0

Utility of 5 : 0.0

Utility of 0 : 0.0

Utility of 1 : 59.0

Utility of 2 : 45.0

Utility of 3 : 0.0

Utility of 4 : 57.0

Utility of 5 : 0.0

Utility of 6 : 63.0

Utility of 7 : 79.0

1049.1677405183518

RTV3 Total Time 4.902544

0 (2, 4, 6) 291 1.0

[('d', 15), (4, 15), (6, 15), (2, 17), (4, 25), (6, 27), (2, 28), ('d', 44)]

1 (1, 7) 326 1.0

[('d', 11), (1, 15), (7, 17), (1, 25), (7, 32), ('d', 51)]

2 EMPTY2 90 1.0

[('d', 0), ('d', 15)]

3 EMPTY3 138 1.0

[('d', 0), ('d', 23)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 71.2390042587

Utility of 1 : -6.48381758171

Utility of 2 : 12.0

Utility of 3 : 1.0

Utility of 4 : 12.0

Utility of 5 : 0.0

Utility of 0 : 0.0

Utility of 1 : 59.0

Utility of 2 : 45.0

Utility of 3 : 0.0

Utility of 4 : 57.0

Utility of 5 : 0.0

Utility of 6 : 63.0

Utility of 7 : 79.0

1269.0

DRIVERS 6

drivers.append(Driver( (3, 0) , (15, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.6962375817712289 ))

drivers.append(Driver( (27, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 97 , 0.7957211480741359 ))

drivers.append(Driver( (3, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.30060015668035045 ))

drivers.append(Driver( (28, 0) , (20, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 116 , 0.16913379236035053 ))

drivers.append(Driver( (0, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.8997641292660475 ))

drivers.append(Driver( (24, 0) , (15, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 149 , 0.5088498186369266 ))

REQUESTS 9

reqs.append(Passenger( (3, 0) , (18, 0) , 4 , 39 , 14 , 1 , 3 , 126 , 126 ))

reqs.append(Passenger( (27, 0) , (17, 0) , 2 , 37 , 14 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (4, 0) , (14, 0) , 2 , 38 , 15 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 12 , 34 , 18 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (5, 0) , (14, 0) , 8 , 18 , 8 , 1 , 3 , 54 , 54 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 9 , 29 , 11 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 10 , 49 , 21 , 1 , 3 , 118 , 118 ))

reqs.append(Passenger( (27, 0) , (19, 0) , 11 , 47 , 25 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 8 , 51 , 22 , 1 , 3 , 95 , 95 ))

FIRST

RTV3 Total Time 24.168487

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 7) 160.13802930214328 1.0

[('d', 14), (1, 14), (7, 14), (7, 22), (1, 24), ('d', 38)]

2 (4,) 180.88379576963052 1.0

[('d', 6), (0, 8), (0, 17), ('d', 32)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 (0, 2, 6, 8) 167.7582600712862 1.0

[('d', 11), (0, 14), (6, 14), (2, 15), (8, 16), (2, 25), (0, 29), (6, 30), (8, 31), ('d', 44)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 13.0

Utility of 1 : -6.89096193096

Utility of 2 : 15.9558145713

Utility of 3 : 2.0

Utility of 4 : 127.943391024

Utility of 5 : 17.0

Utility of 0 : 12.0

Utility of 1 : 32.0

Utility of 2 : 46.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 63.0

Utility of 7 : 36.0

Utility of 8 : 44.0

1044.78008514306

RTV3 Total Time 34.576709

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 7) 223 1.0

[('d', 14), (1, 14), (7, 14), (7, 22), (1, 24), ('d', 38)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 (0, 2, 6, 8) 390 1.0

[('d', 11), (0, 14), (6, 14), (2, 15), (8, 16), (2, 25), (0, 29), (6, 30), (8, 31), ('d', 44)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 13.0

Utility of 1 : -6.89096193096

Utility of 2 : 18.0

Utility of 3 : 2.0

Utility of 4 : 122.544806248

Utility of 5 : 17.0

Utility of 0 : 81.0

Utility of 1 : 32.0

Utility of 2 : 46.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 63.0

Utility of 7 : 36.0

Utility of 8 : 44.0

1335.0

DRIVERS 6

drivers.append(Driver( (0, 0) , (13, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.448067564839297 ))

drivers.append(Driver( (25, 0) , (16, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.5771668975170465 ))

drivers.append(Driver( (5, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.5060151529475563 ))

drivers.append(Driver( (27, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.7947259976063621 ))

drivers.append(Driver( (1, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 178 , 0.7977898448736849 ))

drivers.append(Driver( (29, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.947417004652126 ))

REQUESTS 10

reqs.append(Passenger( (4, 0) , (17, 0) , 9 , 42 , 19 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (29, 0) , (16, 0) , 5 , 42 , 17 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 12 , 42 , 19 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 5 , 36 , 16 , 1 , 3 , 66 , 66 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 17 , 32 , 20 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (29, 0) , (18, 0) , 1 , 34 , 12 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (1, 0) , (15, 0) , 12 , 33 , 15 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 10 , 39 , 20 , 1 , 3 , 69 , 69 ))

reqs.append(Passenger( (0, 0) , (20, 0) , 2 , 37 , 9 , 1 , 3 , 167 , 167 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 1 , 21 , 5 , 1 , 3 , 85 , 85 ))

FIRST

RTV3 Total Time 116.336174

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 108 1.0

[('d', 0), ('d', 18)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (9,) 181.67424812446916 1.0

[('d', 1), (0, 2), (0, 13), ('d', 32)]

4 (0, 2, 6, 8) 211.6740973135261 1.0

[('d', 13), (8, 14), (2, 15), (6, 15), (0, 18), (6, 29), (2, 30), (0, 31), (8, 34), ('d', 54)]

5 (1, 3, 5, 7) 150.46401607422698 1.0

[('d', 13), (5, 13), (1, 13), (7, 14), (3, 16), (7, 22), (5, 24), (3, 25), (1, 26), ('d', 45)]

Utility of 0 : 19.0

Utility of 1 : 12.0

Utility of 2 : 12.0

Utility of 3 : -12.4162340981

Utility of 4 : 33.0839478169

Utility of 5 : 116.114396875

Utility of 0 : -94.0

Utility of 1 : 52.0

Utility of 2 : 59.0

Utility of 3 : 39.0

Utility of 4 : 0.0

Utility of 5 : 58.0

Utility of 6 : 83.0

Utility of 7 : 39.0

Utility of 8 : 102.0

Utility of 9 : 0.0

975.8123615122222

RTV3 Total Time 135.743408

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 108 1.0

[('d', 0), ('d', 18)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 (0, 2, 6, 8) 455 1.0

[('d', 13), (8, 14), (2, 15), (6, 15), (0, 18), (6, 29), (2, 30), (0, 31), (8, 34), ('d', 54)]

5 (1, 3, 5, 7) 339 1.0

[('d', 13), (5, 13), (1, 13), (7, 14), (3, 16), (7, 22), (5, 24), (3, 25), (1, 26), ('d', 45)]

Utility of 0 : 19.0

Utility of 1 : 12.0

Utility of 2 : 12.0

Utility of 3 : 16.0

Utility of 4 : 154.348004238

Utility of 5 : 116.114396875

Utility of 0 : 51.0

Utility of 1 : 52.0

Utility of 2 : 59.0

Utility of 3 : 39.0

Utility of 4 : 0.0

Utility of 5 : 58.0

Utility of 6 : 83.0

Utility of 7 : 39.0

Utility of 8 : 102.0

Utility of 9 : 0.0

1437.0

DRIVERS 6

drivers.append(Driver( (1, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 166 , 0.4465172220534033 ))

drivers.append(Driver( (24, 0) , (14, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 108 , 0.4646583895609848 ))

drivers.append(Driver( (1, 0) , (19, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 167 , 0.8242898320572273 ))

drivers.append(Driver( (25, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.768145383505863 ))

drivers.append(Driver( (3, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 136 , 0.9952989268470765 ))

drivers.append(Driver( (24, 0) , (17, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 101 , 0.26331983180119867 ))

REQUESTS 11

reqs.append(Passenger( (2, 0) , (16, 0) , 13 , 33 , 16 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 1 , 34 , 13 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (4, 0) , (12, 0) , 6 , 16 , 7 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 4 , 30 , 8 , 1 , 3 , 109 , 109 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 13 , 30 , 15 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 7 , 37 , 16 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (2, 0) , (15, 0) , 11 , 45 , 21 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 6 , 36 , 13 , 1 , 3 , 134 , 134 ))

reqs.append(Passenger( (0, 0) , (13, 0) , 4 , 23 , 7 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 11 , 17 , 11 , 1 , 3 , 36 , 36 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 8 , 40 , 19 , 1 , 3 , 76 , 76 ))

FIRST

RTV3 Total Time 22.905772

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 (2, 8) 188.04388629044897 1.0

[('d', 3), (8, 4), (2, 8), (2, 16), (8, 17), ('d', 36)]

3 (1, 5, 7, 9) 243.41528480400328 1.0

[('d', 6), (7, 9), (5, 9), (9, 11), (1, 13), (9, 17), (5, 20), (1, 21), (7, 25), ('d', 45)]

4 (0, 4, 6, 10) 142.02953502049027 1.0

[('d', 12), (4, 15), (6, 17), (0, 17), (10, 18), (10, 27), (4, 27), (6, 30), (0, 31), ('d', 45)]

5 EMPTY5 90 1.0

[('d', 0), ('d', 15)]

Utility of 0 : 22.0

Utility of 1 : 6.0

Utility of 2 : 42.6589543813

Utility of 3 : 35.1351159774

Utility of 4 : 137.998671418

Utility of 5 : 11.0

Utility of 0 : 46.0

Utility of 1 : 27.0

Utility of 2 : 36.0

Utility of 3 : 0.0

Utility of 4 : 48.0

Utility of 5 : 32.0

Utility of 6 : 71.0

Utility of 7 : 82.0

Utility of 8 : 57.0

Utility of 9 : 18.0

Utility of 10 : 48.0

1018.4887061149426

RTV3 Total Time 25.792418

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 (2, 8) 268 1.0

[('d', 3), (8, 4), (2, 8), (2, 16), (8, 17), ('d', 36)]

3 (1, 5, 7, 9) 374 1.0

[('d', 6), (7, 9), (5, 9), (9, 11), (1, 13), (9, 17), (5, 20), (1, 21), (7, 25), ('d', 45)]

4 (0, 4, 6, 10) 360 1.0

[('d', 12), (4, 15), (6, 17), (0, 17), (10, 18), (10, 27), (4, 27), (6, 30), (0, 31), ('d', 45)]

5 EMPTY5 90 1.0

[('d', 0), ('d', 15)]

Utility of 0 : 22.0

Utility of 1 : 6.0

Utility of 2 : 42.6589543813

Utility of 3 : 35.1351159774

Utility of 4 : 137.998671418

Utility of 5 : 11.0

Utility of 0 : 46.0

Utility of 1 : 27.0

Utility of 2 : 36.0

Utility of 3 : 0.0

Utility of 4 : 48.0

Utility of 5 : 32.0

Utility of 6 : 71.0

Utility of 7 : 82.0

Utility of 8 : 57.0

Utility of 9 : 18.0

Utility of 10 : 48.0

1447.0

DRIVERS 6

drivers.append(Driver( (3, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 170 , 0.2300364446248041 ))

drivers.append(Driver( (29, 0) , (15, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.22626858386804716 ))

drivers.append(Driver( (3, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.6533255377139555 ))

drivers.append(Driver( (27, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.7487676708818426 ))

drivers.append(Driver( (1, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.8384484563894267 ))

drivers.append(Driver( (24, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 109 , 0.5922804798995603 ))

REQUESTS 12

reqs.append(Passenger( (1, 0) , (20, 0) , 0 , 37 , 9 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 16 , 32 , 19 , 1 , 3 , 70 , 70 ))

reqs.append(Passenger( (4, 0) , (20, 0) , 3 , 39 , 13 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 0 , 29 , 8 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (2, 0) , (16, 0) , 0 , 33 , 9 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (27, 0) , (14, 0) , 6 , 40 , 16 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 9 , 44 , 19 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 8 , 28 , 13 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (5, 0) , (13, 0) , 0 , 12 , 2 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 13 , 36 , 18 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (3, 0) , (18, 0) , 10 , 28 , 11 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 14 , 49 , 25 , 1 , 3 , 84 , 84 ))

FIRST

RTV3 Total Time 92.957157

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 (2, 8) 217.89405053031606 1.0

[('d', 2), (2, 3), (8, 4), (8, 12), (2, 19), ('d', 34)]

3 (3, 5, 9, 11) 220.0100214439312 1.0

[('d', 15), (5, 15), (3, 16), (9, 17), (11, 17), (5, 28), (3, 29), (9, 29), (11, 30), ('d', 47)]

4 (0, 4, 6, 10) 205.9646127484848 1.0

[('d', 9), (0, 9), (4, 10), (10, 11), (6, 13), (4, 24), (10, 26), (0, 28), (6, 28), ('d', 42)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 20.0

Utility of 1 : 15.0

Utility of 2 : 3.26604301712

Utility of 3 : 80.5121604802

Utility of 4 : 104.166248057

Utility of 5 : 13.0

Utility of 0 : 57.0

Utility of 1 : 0.0

Utility of 2 : 42.0

Utility of 3 : 44.0

Utility of 4 : 53.0

Utility of 5 : 63.0

Utility of 6 : 55.0

Utility of 7 : 0.0

Utility of 8 : 38.0

Utility of 9 : 49.0

Utility of 10 : 63.0

Utility of 11 : 37.0

1146.868684722732

RTV3 Total Time 113.257151

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 (2, 8) 278 1.0

[('d', 2), (2, 3), (8, 4), (8, 12), (2, 19), ('d', 34)]

3 (3, 5, 9, 11) 378 1.0

[('d', 15), (5, 15), (3, 16), (9, 17), (11, 17), (5, 28), (3, 29), (9, 29), (11, 30), ('d', 47)]

4 (0, 4, 6, 10) 403 1.0

[('d', 9), (0, 9), (4, 10), (10, 11), (6, 13), (4, 24), (10, 26), (0, 28), (6, 28), ('d', 42)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 20.0

Utility of 1 : 15.0

Utility of 2 : 3.26604301712

Utility of 3 : 80.5121604802

Utility of 4 : 104.166248057

Utility of 5 : 13.0

Utility of 0 : 57.0

Utility of 1 : 0.0

Utility of 2 : 42.0

Utility of 3 : 44.0

Utility of 4 : 53.0

Utility of 5 : 63.0

Utility of 6 : 55.0

Utility of 7 : 0.0

Utility of 8 : 38.0

Utility of 9 : 49.0

Utility of 10 : 63.0

Utility of 11 : 37.0

1562.0

DRIVERS 6

drivers.append(Driver( (2, 0) , (13, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 112 , 0.003940787936694501 ))

drivers.append(Driver( (26, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 168 , 0.297835893866939 ))

drivers.append(Driver( (1, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.5196032782900231 ))

drivers.append(Driver( (29, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.5279243965820182 ))

drivers.append(Driver( (0, 0) , (19, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 164 , 0.9742869543281589 ))

drivers.append(Driver( (28, 0) , (17, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.7570907149924414 ))

REQUESTS 13

reqs.append(Passenger( (4, 0) , (20, 0) , 2 , 30 , 8 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 6 , 33 , 13 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 4 , 22 , 9 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 6 , 28 , 11 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 3 , 33 , 8 , 1 , 3 , 135 , 135 ))

reqs.append(Passenger( (25, 0) , (15, 0) , 12 , 50 , 26 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (4, 0) , (19, 0) , 2 , 18 , 2 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 2 , 29 , 12 , 1 , 3 , 52 , 52 ))

reqs.append(Passenger( (3, 0) , (13, 0) , 2 , 32 , 12 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 11 , 41 , 21 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 12 , 25 , 12 , 1 , 3 , 111 , 111 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 8 , 27 , 12 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 7 , 50 , 20 , 1 , 3 , 118 , 118 ))

FIRST

RTV3 Total Time 170.988636

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 (7,) 196.7670872901249 1.0

[('d', 1), (0, 2), (0, 9), ('d', 30)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 (0, 4, 10, 12) 174.89109624005337 1.0

[('d', 8), (4, 9), (12, 11), (0, 12), (10, 12), (10, 25), (12, 27), (0, 28), (4, 28), ('d', 45)]

5 (1, 3, 5, 11) 179.1120448367461 1.0

[('d', 10), (1, 10), (3, 12), (11, 12), (5, 13), (1, 22), (11, 22), (3, 23), (5, 23), ('d', 43)]

Utility of 0 : 4.0

Utility of 1 : 13.5506766768

Utility of 2 : 20.0

Utility of 3 : 12.0

Utility of 4 : 138.600260409

Utility of 5 : 99.0174130084

Utility of 0 : -39.0

Utility of 1 : 55.0

Utility of 2 : 0.0

Utility of 3 : 64.0

Utility of 4 : 77.0

Utility of 5 : 44.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 72.0

Utility of 11 : 51.0

Utility of 12 : 61.0

1216.7702283669244

RTV3 Total Time 194.433509

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 EMPTY1 150 1.0

[('d', 0), ('d', 25)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 (0, 4, 10, 12) 436 1.0

[('d', 8), (4, 9), (12, 11), (0, 12), (10, 12), (10, 25), (12, 27), (0, 28), (4, 28), ('d', 45)]

5 (1, 3, 5, 11) 354 1.0

[('d', 10), (1, 10), (3, 12), (11, 12), (5, 13), (1, 22), (11, 22), (3, 23), (5, 23), ('d', 43)]

Utility of 0 : 4.0

Utility of 1 : 18.0

Utility of 2 : 20.0

Utility of 3 : 12.0

Utility of 4 : 181.468886399

Utility of 5 : 99.0174130084

Utility of 0 : 44.0

Utility of 1 : 55.0

Utility of 2 : 0.0

Utility of 3 : 64.0

Utility of 4 : 77.0

Utility of 5 : 44.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 0.0

Utility of 10 : 72.0

Utility of 11 : 51.0

Utility of 12 : 61.0

1658.0

DRIVERS 6

drivers.append(Driver( (3, 0) , (16, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.8623827131413205 ))

drivers.append(Driver( (25, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 147 , 0.19901731011368673 ))

drivers.append(Driver( (1, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.5513396745068295 ))

drivers.append(Driver( (26, 0) , (15, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.4237097946071141 ))

drivers.append(Driver( (2, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.03085784551041937 ))

drivers.append(Driver( (29, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 110 , 0.9265420543675885 ))

REQUESTS 14

reqs.append(Passenger( (4, 0) , (15, 0) , 16 , 43 , 24 , 1 , 3 , 77 , 77 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 6 , 26 , 11 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 4 , 17 , 5 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 16 , 52 , 30 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 5 , 33 , 9 , 1 , 3 , 150 , 150 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 2 , 16 , 2 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (1, 0) , (12, 0) , 12 , 28 , 14 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 5 , 37 , 15 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 8 , 27 , 11 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 18 , 41 , 26 , 1 , 3 , 41 , 41 ))

reqs.append(Passenger( (4, 0) , (12, 0) , 17 , 33 , 21 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 0 , 19 , 4 , 1 , 3 , 75 , 75 ))

reqs.append(Passenger( (5, 0) , (13, 0) , 14 , 28 , 17 , 1 , 3 , 49 , 49 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 16 , 51 , 28 , 1 , 3 , 85 , 85 ))

FIRST

RTV3 Total Time 27.727768

0 (0, 4, 6, 8) 183.81717357524585 1.0

[('d', 11), (4, 13), (6, 13), (8, 14), (0, 16), (6, 24), (8, 26), (0, 27), (4, 32), ('d', 47)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 (1, 5, 7, 11) 117.89532749545461 1.0

[('d', 1), (5, 2), (11, 4), (7, 5), (1, 6), (11, 14), (1, 15), (5, 16), (7, 17), ('d', 31)]

Utility of 0 : 109.384703014

Utility of 1 : 9.0

Utility of 2 : 8.0

Utility of 3 : 7.0

Utility of 4 : 2.0

Utility of 5 : 128.206541689

Utility of 0 : 36.0

Utility of 1 : 48.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 89.0

Utility of 5 : 70.0

Utility of 6 : 50.0

Utility of 7 : 52.0

Utility of 8 : 62.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 45.0

Utility of 12 : 0.0

Utility of 13 : 0.0

1176.7125010707005

RTV3 Total Time 33.300591

0 (0, 4, 6, 8) 402 1.0

[('d', 11), (4, 13), (6, 13), (8, 14), (0, 16), (6, 24), (8, 26), (0, 27), (4, 32), ('d', 47)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 (1, 5, 7, 11) 331 1.0

[('d', 1), (5, 2), (11, 4), (7, 5), (1, 6), (11, 14), (1, 15), (5, 16), (7, 17), ('d', 31)]

Utility of 0 : 109.384703014

Utility of 1 : 9.0

Utility of 2 : 8.0

Utility of 3 : 7.0

Utility of 4 : 2.0

Utility of 5 : 128.206541689

Utility of 0 : 36.0

Utility of 1 : 48.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 89.0

Utility of 5 : 70.0

Utility of 6 : 50.0

Utility of 7 : 52.0

Utility of 8 : 62.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 45.0

Utility of 12 : 0.0

Utility of 13 : 0.0

1608.0

DRIVERS 7

drivers.append(Driver( (1, 0) , (16, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.9857045010306823 ))

drivers.append(Driver( (26, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.03529330852113588 ))

drivers.append(Driver( (1, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.39643580230599396 ))

drivers.append(Driver( (28, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.31487888279343434 ))

drivers.append(Driver( (1, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.9698517095283803 ))

drivers.append(Driver( (27, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 165 , 0.6844269147402904 ))

drivers.append(Driver( (2, 0) , (18, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 155 , 0.9757561287436851 ))

REQUESTS 5

reqs.append(Passenger( (5, 0) , (15, 0) , 3 , 35 , 14 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (25, 0) , (17, 0) , 1 , 17 , 5 , 1 , 3 , 49 , 49 ))

reqs.append(Passenger( (4, 0) , (16, 0) , 1 , 40 , 14 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 8 , 29 , 12 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 4 , 42 , 16 , 1 , 3 , 114 , 114 ))

FIRST

RTV3 Total Time 11.698588

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 (1, 3) 222.93027373551706 1.0

[('d', 6), (1, 8), (3, 8), (1, 16), (3, 20), ('d', 40)]

6 (0, 2, 4) 150.8790194010104 1.0

[('d', 11), (4, 12), (2, 13), (0, 14), (0, 24), (2, 25), (4, 25), ('d', 42)]

Utility of 0 : 7.0

Utility of 1 : 8.0

Utility of 2 : 5.0

Utility of 3 : 20.0

Utility of 4 : 9.0

Utility of 5 : 4.2787378613

Utility of 6 : 109.242199955

Utility of 0 : 30.0

Utility of 1 : 22.0

Utility of 2 : 54.0

Utility of 3 : 50.0

Utility of 4 : 71.0

1051.8092931365275

RTV3 Total Time 11.708805

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 (1, 3) 277 1.0

[('d', 6), (1, 8), (3, 8), (1, 16), (3, 20), ('d', 40)]

6 (0, 2, 4) 307 1.0

[('d', 11), (4, 12), (2, 13), (0, 14), (0, 24), (2, 25), (4, 25), ('d', 42)]

Utility of 0 : 7.0

Utility of 1 : 8.0

Utility of 2 : 5.0

Utility of 3 : 20.0

Utility of 4 : 9.0

Utility of 5 : 4.2787378613

Utility of 6 : 109.242199955

Utility of 0 : 30.0

Utility of 1 : 22.0

Utility of 2 : 54.0

Utility of 3 : 50.0

Utility of 4 : 71.0

1262.0

DRIVERS 7

drivers.append(Driver( (0, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.4138108860933306 ))

drivers.append(Driver( (24, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.4345092619610116 ))

drivers.append(Driver( (0, 0) , (16, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.6747722680402035 ))

drivers.append(Driver( (27, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.7650985860251824 ))

drivers.append(Driver( (3, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.3557933090917388 ))

drivers.append(Driver( (26, 0) , (18, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 101 , 0.1969215624476589 ))

drivers.append(Driver( (3, 0) , (17, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.7752221693059864 ))

REQUESTS 6

reqs.append(Passenger( (5, 0) , (13, 0) , 9 , 36 , 18 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 0 , 9 , 0 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 1 , 30 , 8 , 1 , 3 , 131 , 131 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 2 , 34 , 11 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 2 , 20 , 4 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (27, 0) , (15, 0) , 10 , 22 , 10 , 1 , 3 , 101 , 101 ))

FIRST

RTV3 Total Time 0.399696

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (3, 5) 174.59757816082703 1.0

[('d', 8), (3, 9), (5, 10), (3, 22), (5, 22), ('d', 39)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

6 (2, 4) 202.59278545063196 1.0

[('d', 4), (4, 4), (2, 6), (4, 18), (2, 21), ('d', 41)]

Utility of 0 : 13.0

Utility of 1 : 18.0

Utility of 2 : 3.0

Utility of 3 : 37.8722246671

Utility of 4 : 3.0

Utility of 5 : 5.0

Utility of 6 : 29.8567702108

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 84.0

Utility of 3 : 59.0

Utility of 4 : 59.0

Utility of 5 : 65.0

1104.190363611459

RTV3 Total Time 0.399796

0 EMPTY0 120 1.0

[('d', 0), ('d', 20)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (3, 5) 271 1.0

[('d', 8), (3, 9), (5, 10), (3, 22), (5, 22), ('d', 39)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

6 (2, 4) 315 1.0

[('d', 4), (4, 4), (2, 6), (4, 18), (2, 21), ('d', 41)]

Utility of 0 : 13.0

Utility of 1 : 18.0

Utility of 2 : 3.0

Utility of 3 : 37.8722246671

Utility of 4 : 3.0

Utility of 5 : 5.0

Utility of 6 : 29.8567702108

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 84.0

Utility of 3 : 59.0

Utility of 4 : 59.0

Utility of 5 : 65.0

1313.0

DRIVERS 7

drivers.append(Driver( (5, 0) , (18, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.8495922235606411 ))

drivers.append(Driver( (26, 0) , (15, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.13180321823528396 ))

drivers.append(Driver( (4, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.7579894003864954 ))

drivers.append(Driver( (26, 0) , (14, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 165 , 0.6051579141239765 ))

drivers.append(Driver( (5, 0) , (18, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.3642597869742823 ))

drivers.append(Driver( (26, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.5297780208332307 ))

drivers.append(Driver( (4, 0) , (14, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 103 , 0.31312337883381747 ))

REQUESTS 7

reqs.append(Passenger( (4, 0) , (19, 0) , 1 , 38 , 12 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 0 , 32 , 7 , 1 , 3 , 151 , 151 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 14 , 38 , 21 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 0 , 29 , 7 , 1 , 3 , 102 , 102 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 9 , 24 , 11 , 1 , 3 , 69 , 69 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 11 , 48 , 24 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 9 , 50 , 23 , 1 , 3 , 100 , 100 ))

FIRST

RTV3 Total Time 14.063404

0 (0, 2, 4, 6) 232.33767193446204 1.0

[('d', 11), (4, 14), (2, 14), (0, 16), (6, 17), (4, 24), (2, 24), (6, 30), (0, 31), ('d', 51)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 (1, 3) 251.99020748253565 1.0

[('d', 3), (1, 6), (3, 8), (3, 23), (1, 23), ('d', 44)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 138 1.0

[('d', 0), ('d', 23)]

6 EMPTY6 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 67.6704835943

Utility of 1 : 9.0

Utility of 2 : 13.0

Utility of 3 : 9.79947668922

Utility of 4 : 19.0

Utility of 5 : 21.0

Utility of 6 : 7.0

Utility of 0 : 57.0

Utility of 1 : 99.0

Utility of 2 : 47.0

Utility of 3 : 56.0

Utility of 4 : 36.0

Utility of 5 : 0.0

Utility of 6 : 55.0

1144.3278794169978

RTV3 Total Time 16.119596

0 (0, 2, 4, 6) 415 1.0

[('d', 11), (4, 14), (2, 14), (0, 16), (6, 17), (4, 24), (2, 24), (6, 30), (0, 31), ('d', 51)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 144 1.0

[('d', 0), ('d', 24)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 (1, 3) 335 1.0

[('d', 3), (1, 6), (3, 8), (3, 23), (1, 23), ('d', 42)]

6 EMPTY6 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 67.6704835943

Utility of 1 : 9.0

Utility of 2 : 13.0

Utility of 3 : 21.0

Utility of 4 : 19.0

Utility of 5 : 4.11559322915

Utility of 6 : 7.0

Utility of 0 : 57.0

Utility of 1 : 99.0

Utility of 2 : 47.0

Utility of 3 : 56.0

Utility of 4 : 36.0

Utility of 5 : 0.0

Utility of 6 : 55.0

1416.0

DRIVERS 7

drivers.append(Driver( (3, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 136 , 0.058445083665697894 ))

drivers.append(Driver( (29, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 117 , 0.04211204218992648 ))

drivers.append(Driver( (4, 0) , (12, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 102 , 0.30563852454551965 ))

drivers.append(Driver( (27, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 103 , 0.6034858786984252 ))

drivers.append(Driver( (1, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 155 , 0.49631623788062496 ))

drivers.append(Driver( (27, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.7046134064673143 ))

drivers.append(Driver( (3, 0) , (19, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.6759166264217998 ))

REQUESTS 8

reqs.append(Passenger( (1, 0) , (19, 0) , 7 , 46 , 17 , 1 , 3 , 144 , 144 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 13 , 18 , 13 , 1 , 3 , 35 , 35 ))

reqs.append(Passenger( (4, 0) , (19, 0) , 11 , 33 , 14 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (29, 0) , (17, 0) , 0 , 34 , 11 , 1 , 3 , 75 , 75 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 1 , 26 , 6 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 15 , 48 , 29 , 1 , 3 , 33 , 33 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 9 , 28 , 14 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (29, 0) , (16, 0) , 4 , 19 , 5 , 1 , 3 , 81 , 81 ))

FIRST

RTV3 Total Time 1.257300

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 EMPTY2 102 1.0

[('d', 0), ('d', 17)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 (3, 7) 218.92631407614752 1.0

[('d', 3), (3, 5), (7, 5), (3, 17), (7, 18), ('d', 35)]

6 (0, 2, 6) 236.33500724407602 1.0

[('d', 9), (0, 11), (6, 13), (2, 14), (6, 22), (0, 29), (2, 29), ('d', 45)]

Utility of 0 : 4.0

Utility of 1 : 15.0

Utility of 2 : 0.0

Utility of 3 : 7.0

Utility of 4 : 11.0

Utility of 5 : -5.15399451495

Utility of 6 : 31.933576371

Utility of 0 : 84.0

Utility of 1 : 0.0

Utility of 2 : 60.0

Utility of 3 : 33.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 29.0

Utility of 7 : 42.0

1206.2613213202235

RTV3 Total Time 1.256165

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 EMPTY2 102 1.0

[('d', 0), ('d', 17)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 (3, 7) 276 1.0

[('d', 3), (3, 5), (7, 5), (3, 17), (7, 18), ('d', 35)]

6 (0, 2, 6) 358 1.0

[('d', 9), (0, 11), (6, 13), (2, 14), (6, 22), (0, 29), (2, 29), ('d', 45)]

Utility of 0 : 4.0

Utility of 1 : 15.0

Utility of 2 : 0.0

Utility of 3 : 7.0

Utility of 4 : 11.0

Utility of 5 : -5.15399451495

Utility of 6 : 31.933576371

Utility of 0 : 84.0

Utility of 1 : 0.0

Utility of 2 : 60.0

Utility of 3 : 33.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 29.0

Utility of 7 : 42.0

1385.0

DRIVERS 7

drivers.append(Driver( (0, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.5039739350929123 ))

drivers.append(Driver( (26, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.2816453619104192 ))

drivers.append(Driver( (5, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.35766298469285185 ))

drivers.append(Driver( (27, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.27540725392412135 ))

drivers.append(Driver( (0, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.05858981735181201 ))

drivers.append(Driver( (25, 0) , (19, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.23636669305518343 ))

drivers.append(Driver( (1, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 157 , 0.6126451360409341 ))

REQUESTS 9

reqs.append(Passenger( (2, 0) , (14, 0) , 4 , 27 , 9 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 4 , 40 , 16 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 1 , 24 , 9 , 1 , 3 , 50 , 50 ))

reqs.append(Passenger( (24, 0) , (13, 0) , 0 , 32 , 10 , 1 , 3 , 77 , 77 ))

reqs.append(Passenger( (5, 0) , (19, 0) , 0 , 18 , 2 , 1 , 3 , 118 , 118 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 4 , 26 , 7 , 1 , 3 , 121 , 121 ))

reqs.append(Passenger( (5, 0) , (19, 0) , 12 , 27 , 12 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 14 , 44 , 25 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 1 , 12 , 1 , 1 , 3 , 92 , 92 ))

FIRST

RTV3 Total Time 0.557148

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (4,) 184.81761316334325 1.0

[('d', 0), (0, 0), (0, 14), ('d', 28)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 108 1.0

[('d', 0), ('d', 18)]

6 (0, 2, 6) 206.55381013802366 1.0

[('d', 8), (0, 9), (2, 12), (6, 12), (2, 19), (0, 21), (6, 26), ('d', 39)]

Utility of 0 : 12.0

Utility of 1 : 4.0

Utility of 2 : -29.6277734439

Utility of 3 : 21.0

Utility of 4 : 15.0

Utility of 5 : 14.0

Utility of 6 : -12.4941945584

Utility of 0 : -61.0

Utility of 1 : 0.0

Utility of 2 : 26.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 73.0

Utility of 7 : 0.0

Utility of 8 : 0.0

1459.371423301367

RTV3 Total Time 0.560605

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (4,) 212 1.0

[('d', 0), (0, 0), (0, 14), ('d', 28)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 108 1.0

[('d', 0), ('d', 18)]

6 (0, 2, 6) 296 1.0

[('d', 8), (0, 9), (2, 12), (6, 12), (2, 19), (0, 21), (6, 26), ('d', 39)]

Utility of 0 : 12.0

Utility of 1 : 4.0

Utility of 2 : -29.6277734439

Utility of 3 : 21.0

Utility of 4 : 15.0

Utility of 5 : 14.0

Utility of 6 : -12.4941945584

Utility of 0 : -61.0

Utility of 1 : 0.0

Utility of 2 : 26.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 73.0

Utility of 7 : 0.0

Utility of 8 : 0.0

1576.0

DRIVERS 7

drivers.append(Driver( (5, 0) , (18, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 157 , 0.31539780417292906 ))

drivers.append(Driver( (27, 0) , (13, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 130 , 0.40483194500077324 ))

drivers.append(Driver( (1, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.8695980241806277 ))

drivers.append(Driver( (24, 0) , (20, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.4184222841509607 ))

drivers.append(Driver( (2, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.5221112771151855 ))

drivers.append(Driver( (26, 0) , (18, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 130 , 0.5552746036405665 ))

drivers.append(Driver( (0, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.9833378195142625 ))

REQUESTS 10

reqs.append(Passenger( (3, 0) , (12, 0) , 15 , 44 , 25 , 1 , 3 , 58 , 58 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 6 , 37 , 18 , 1 , 3 , 48 , 48 ))

reqs.append(Passenger( (2, 0) , (14, 0) , 4 , 21 , 6 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (24, 0) , (20, 0) , 4 , 11 , 5 , 1 , 3 , 33 , 33 ))

reqs.append(Passenger( (2, 0) , (17, 0) , 6 , 46 , 18 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 9 , 46 , 22 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (1, 0) , (12, 0) , 8 , 33 , 15 , 1 , 3 , 75 , 75 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 8 , 21 , 9 , 1 , 3 , 75 , 75 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 2 , 26 , 8 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 4 , 22 , 7 , 1 , 3 , 82 , 82 ))

FIRST

RTV3 Total Time 10.765675

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (1, 7, 9) 204.01533465490644 1.0

[('d', 6), (9, 7), (7, 9), (1, 11), (9, 18), (1, 18), (7, 19), ('d', 32)]

2 (0, 6) 169.51934423481418 1.0

[('d', 15), (6, 15), (0, 17), (6, 26), (0, 26), ('d', 40)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

6 (2, 4, 8) 191.5826379752893 1.0

[('d', 4), (2, 6), (4, 6), (8, 9), (2, 18), (8, 21), (4, 21), ('d', 39)]

Utility of 0 : 13.0

Utility of 1 : 14.1508417301

Utility of 2 : 35.5238715717

Utility of 3 : 7.0

Utility of 4 : 8.0

Utility of 5 : 16.0

Utility of 6 : 69.633970371

Utility of 0 : 23.0

Utility of 1 : 20.0

Utility of 2 : 44.0

Utility of 3 : 0.0

Utility of 4 : 42.0

Utility of 5 : 0.0

Utility of 6 : 42.0

Utility of 7 : 45.0

Utility of 8 : 56.0

Utility of 9 : 49.0

1140.1173168650098

RTV3 Total Time 11.434578

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 (1, 7, 9) 253 1.0

[('d', 6), (9, 7), (7, 9), (1, 11), (9, 18), (1, 18), (7, 19), ('d', 32)]

2 (2, 4, 6, 8) 355 1.0

[('d', 8), (6, 8), (2, 9), (4, 9), (8, 12), (6, 19), (2, 21), (8, 24), (4, 24), ('d', 37)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

6 EMPTY6 144 1.0

[('d', 0), ('d', 24)]

Utility of 0 : 13.0

Utility of 1 : 14.1508417301

Utility of 2 : 113.310056207

Utility of 3 : 7.0

Utility of 4 : 8.0

Utility of 5 : 16.0

Utility of 6 : 0.0

Utility of 0 : 0.0

Utility of 1 : 20.0

Utility of 2 : 41.0

Utility of 3 : 0.0

Utility of 4 : 45.0

Utility of 5 : 0.0

Utility of 6 : 35.0

Utility of 7 : 45.0

Utility of 8 : 53.0

Utility of 9 : 49.0

1385.0

DRIVERS 7

drivers.append(Driver( (2, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.8537893605579737 ))

drivers.append(Driver( (25, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.9625313190460845 ))

drivers.append(Driver( (4, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 137 , 0.685847785976674 ))

drivers.append(Driver( (26, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 95 , 0.37324763051387744 ))

drivers.append(Driver( (4, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.6534452421265591 ))

drivers.append(Driver( (24, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.394643347343011 ))

drivers.append(Driver( (3, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.5495019201684818 ))

REQUESTS 11

reqs.append(Passenger( (1, 0) , (19, 0) , 6 , 39 , 13 , 1 , 3 , 138 , 138 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 8 , 29 , 12 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 8 , 42 , 18 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 14 , 52 , 28 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 10 , 27 , 10 , 1 , 3 , 119 , 119 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 12 , 24 , 13 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 11 , 39 , 19 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 1 , 14 , 1 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 19 , 49 , 30 , 1 , 3 , 58 , 58 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 11 , 25 , 13 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (0, 0) , (20, 0) , 0 , 35 , 7 , 1 , 3 , 153 , 153 ))

FIRST

RTV3 Total Time 74.888269

0 (0, 2, 4, 10) 195.5472960776296 1.0

[('d', 7), (10, 9), (0, 10), (4, 10), (2, 12), (2, 26), (4, 26), (0, 28), (10, 29), ('d', 44)]

1 (1, 5, 9) 171.24561533354813 1.0

[('d', 6), (1, 9), (9, 13), (5, 13), (1, 22), (9, 22), (5, 22), ('d', 40)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 (6, 8) 194.08135909245817 1.0

[('d', 15), (6, 19), (8, 24), (6, 31), (8, 31), ('d', 46)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

6 EMPTY6 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 150.061020956

Utility of 1 : 53.8667907093

Utility of 2 : 11.0

Utility of 3 : 5.0

Utility of 4 : -1.00203054522

Utility of 5 : 12.0

Utility of 6 : 16.0

Utility of 0 : 81.0

Utility of 1 : 61.0

Utility of 2 : 37.0

Utility of 3 : 0.0

Utility of 4 : 71.0

Utility of 5 : 29.0

Utility of 6 : 70.0

Utility of 7 : 0.0

Utility of 8 : 31.0

Utility of 9 : 47.0

Utility of 10 : 91.0

1188.874270503636

RTV3 Total Time 91.035170

0 (6, 8) 260 1.0

[('d', 17), (6, 19), (8, 24), (6, 31), (8, 31), ('d', 47)]

1 (1, 5, 9) 306 1.0

[('d', 6), (1, 9), (9, 13), (5, 13), (1, 22), (9, 22), (5, 22), ('d', 40)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 (0, 2, 4, 10) 436 1.0

[('d', 5), (10, 9), (0, 10), (4, 10), (2, 12), (2, 26), (4, 26), (0, 28), (10, 29), ('d', 41)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

6 EMPTY6 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 29.2327254164

Utility of 1 : 53.8667907093

Utility of 2 : 11.0

Utility of 3 : 5.0

Utility of 4 : 95.9646677954

Utility of 5 : 12.0

Utility of 6 : 16.0

Utility of 0 : 81.0

Utility of 1 : 61.0

Utility of 2 : 37.0

Utility of 3 : 0.0

Utility of 4 : 71.0

Utility of 5 : 29.0

Utility of 6 : 70.0

Utility of 7 : 0.0

Utility of 8 : 31.0

Utility of 9 : 47.0

Utility of 10 : 91.0

1630.0

DRIVERS 7

drivers.append(Driver( (0, 0) , (17, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 166 , 0.14154341218226296 ))

drivers.append(Driver( (28, 0) , (17, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 118 , 0.6458824399582709 ))

drivers.append(Driver( (5, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.5881480765357779 ))

drivers.append(Driver( (26, 0) , (16, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 130 , 0.4192884953762316 ))

drivers.append(Driver( (4, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.6839453986887658 ))

drivers.append(Driver( (24, 0) , (19, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.7335789038475716 ))

drivers.append(Driver( (2, 0) , (20, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 173 , 0.14231670158213283 ))

REQUESTS 12

reqs.append(Passenger( (0, 0) , (13, 0) , 8 , 44 , 19 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 9 , 19 , 9 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 5 , 23 , 5 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 4 , 31 , 14 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (2, 0) , (19, 0) , 10 , 34 , 13 , 1 , 3 , 151 , 151 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 3 , 31 , 10 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (4, 0) , (19, 0) , 4 , 32 , 10 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 10 , 29 , 16 , 1 , 3 , 40 , 40 ))

reqs.append(Passenger( (4, 0) , (16, 0) , 7 , 22 , 8 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (24, 0) , (19, 0) , 9 , 20 , 12 , 1 , 3 , 36 , 36 ))

reqs.append(Passenger( (4, 0) , (14, 0) , 12 , 22 , 12 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (29, 0) , (19, 0) , 9 , 23 , 11 , 1 , 3 , 60 , 60 ))

FIRST

RTV3 Total Time 3.679331

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 (1, 3, 5) 172.9505744865932 1.0

[('d', 7), (5, 7), (1, 9), (3, 10), (3, 17), (1, 19), (5, 21), ('d', 35)]

2 (8,) 167.3585231017102 1.0

[('d', 6), (0, 7), (0, 19), ('d', 33)]

3 (7, 9) 168.97059469882203 1.0

[('d', 10), (7, 10), (9, 12), (7, 16), (9, 17), ('d', 33)]

4 (4, 6, 10) 181.89990308584902 1.0

[('d', 8), (4, 10), (6, 12), (10, 12), (10, 22), (6, 27), (4, 27), ('d', 40)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 162 1.0

[('d', 0), ('d', 27)]

Utility of 0 : 4.0

Utility of 1 : 40.5282484337

Utility of 2 : -15.5911134743

Utility of 3 : -2.48632567108

Utility of 4 : 58.6803699207

Utility of 5 : 0.0

Utility of 6 : 11.0

Utility of 0 : 33.0

Utility of 1 : 49.0

Utility of 2 : 0.0

Utility of 3 : 30.0

Utility of 4 : 97.0

Utility of 5 : 72.0

Utility of 6 : 73.0

Utility of 7 : 16.0

Utility of 8 : 0.0

Utility of 9 : 21.0

Utility of 10 : 43.0

Utility of 11 : 0.0

1406.1795953729745

RTV3 Total Time 3.805112

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 (1, 3, 5) 275 1.0

[('d', 7), (5, 7), (1, 9), (3, 10), (3, 17), (1, 19), (5, 21), ('d', 35)]

2 (8,) 205 1.0

[('d', 6), (0, 7), (0, 19), ('d', 33)]

3 (7, 9) 187 1.0

[('d', 10), (7, 10), (9, 12), (7, 16), (9, 17), ('d', 33)]

4 (4, 6, 10) 331 1.0

[('d', 8), (4, 10), (6, 12), (10, 12), (10, 22), (6, 27), (4, 27), ('d', 40)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 162 1.0

[('d', 0), ('d', 27)]

Utility of 0 : 4.0

Utility of 1 : 40.5282484337

Utility of 2 : -15.5911134743

Utility of 3 : -2.48632567108

Utility of 4 : 58.6803699207

Utility of 5 : 0.0

Utility of 6 : 11.0

Utility of 0 : 33.0

Utility of 1 : 49.0

Utility of 2 : 0.0

Utility of 3 : 30.0

Utility of 4 : 97.0

Utility of 5 : 72.0

Utility of 6 : 73.0

Utility of 7 : 16.0

Utility of 8 : 0.0

Utility of 9 : 21.0

Utility of 10 : 43.0

Utility of 11 : 0.0

1713.0

DRIVERS 7

drivers.append(Driver( (1, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.37245693881896524 ))

drivers.append(Driver( (27, 0) , (18, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.9485503819746476 ))

drivers.append(Driver( (0, 0) , (19, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 162 , 0.3749063525155576 ))

drivers.append(Driver( (25, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 85 , 0.9789924564182135 ))

drivers.append(Driver( (3, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.911314568628657 ))

drivers.append(Driver( (29, 0) , (14, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.5621554997916722 ))

drivers.append(Driver( (3, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 109 , 0.4953610636435578 ))

REQUESTS 13

reqs.append(Passenger( (2, 0) , (20, 0) , 3 , 49 , 17 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (26, 0) , (14, 0) , 10 , 44 , 21 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 13 , 48 , 24 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 7 , 35 , 15 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 8 , 53 , 21 , 1 , 3 , 160 , 160 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 11 , 25 , 12 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (1, 0) , (12, 0) , 16 , 42 , 23 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 15 , 45 , 26 , 1 , 3 , 50 , 50 ))

reqs.append(Passenger( (1, 0) , (18, 0) , 4 , 23 , 5 , 1 , 3 , 151 , 151 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 13 , 52 , 26 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (4, 0) , (19, 0) , 1 , 40 , 13 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 0 , 33 , 9 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 3 , 41 , 12 , 1 , 3 , 136 , 136 ))

FIRST

RTV3 Total Time 435.262312

0 (8, 10) 218.95775101258627 1.0

[('d', 5), (8, 5), (10, 8), (8, 22), (10, 23), ('d', 35)]

1 (1, 7, 9, 11) 200.23847398704504 1.0

[('d', 17), (11, 18), (9, 18), (1, 20), (7, 20), (7, 28), (9, 31), (1, 32), (11, 33), ('d', 51)]

2 EMPTY2 162 1.0

[('d', 0), ('d', 27)]

3 EMPTY3 84 1.0

[('d', 0), ('d', 14)]

4 (0, 2, 4, 12) 176.3395731172888 1.0

[('d', 14), (12, 16), (4, 16), (0, 17), (2, 20), (2, 32), (0, 35), (12, 35), (4, 35), ('d', 50)]

5 (3, 5) 187.84936152229108 1.0

[('d', 11), (3, 12), (5, 12), (3, 24), (5, 24), ('d', 38)]

6 EMPTY6 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 23.1799642933

Utility of 1 : 82.9963168456

Utility of 2 : 0.0

Utility of 3 : 1.0

Utility of 4 : 169.813337491

Utility of 5 : 6.46417197833

Utility of 6 : 1.0

Utility of 0 : 71.0

Utility of 1 : 64.0

Utility of 2 : 40.0

Utility of 3 : 47.0

Utility of 4 : 98.0

Utility of 5 : 57.0

Utility of 6 : 0.0

Utility of 7 : 20.0

Utility of 8 : 100.0

Utility of 9 : 49.0

Utility of 10 : 75.0

Utility of 11 : 42.0

Utility of 12 : 75.0

1215.385159639211

RTV3 Total Time 600.700545

0 (8, 10) 286 1.0

[('d', 5), (8, 5), (10, 8), (8, 22), (10, 23), ('d', 35)]

1 (1, 7, 9, 11) 389 1.0

[('d', 17), (11, 18), (9, 18), (1, 20), (7, 20), (7, 28), (9, 31), (1, 32), (11, 33), ('d', 51)]

2 EMPTY2 162 1.0

[('d', 0), ('d', 27)]

3 EMPTY3 84 1.0

[('d', 0), ('d', 14)]

4 (0, 2, 4, 12) 447 1.0

[('d', 14), (12, 16), (4, 16), (0, 17), (2, 20), (2, 32), (0, 35), (12, 35), (4, 35), ('d', 50)]

5 (3, 5) 248 1.0

[('d', 11), (3, 12), (5, 12), (3, 24), (5, 24), ('d', 38)]

6 EMPTY6 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 23.1799642933

Utility of 1 : 82.9963168456

Utility of 2 : 0.0

Utility of 3 : 1.0

Utility of 4 : 169.813337491

Utility of 5 : 6.46417197833

Utility of 6 : 1.0

Utility of 0 : 71.0

Utility of 1 : 64.0

Utility of 2 : 40.0

Utility of 3 : 47.0

Utility of 4 : 98.0

Utility of 5 : 57.0

Utility of 6 : 0.0

Utility of 7 : 20.0

Utility of 8 : 100.0

Utility of 9 : 49.0

Utility of 10 : 75.0

Utility of 11 : 42.0

Utility of 12 : 75.0

1802.0

DRIVERS 7

drivers.append(Driver( (4, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 170 , 0.3331392534384736 ))

drivers.append(Driver( (24, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.9732446751353089 ))

drivers.append(Driver( (2, 0) , (18, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 177 , 0.8345658461989658 ))

drivers.append(Driver( (29, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.5193492575866919 ))

drivers.append(Driver( (2, 0) , (19, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.934318663265347 ))

drivers.append(Driver( (25, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.877527339102684 ))

drivers.append(Driver( (0, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 157 , 0.0755942191878749 ))

REQUESTS 14

reqs.append(Passenger( (5, 0) , (17, 0) , 7 , 41 , 18 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 7 , 51 , 21 , 1 , 3 , 128 , 128 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 2 , 21 , 2 , 1 , 3 , 134 , 134 ))

reqs.append(Passenger( (27, 0) , (14, 0) , 9 , 37 , 16 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 1 , 28 , 9 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 8 , 29 , 13 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 10 , 45 , 21 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 16 , 30 , 18 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (1, 0) , (18, 0) , 7 , 37 , 13 , 1 , 3 , 132 , 132 ))

reqs.append(Passenger( (26, 0) , (20, 0) , 11 , 38 , 21 , 1 , 3 , 41 , 41 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 5 , 21 , 5 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (27, 0) , (17, 0) , 14 , 25 , 14 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (3, 0) , (14, 0) , 15 , 42 , 23 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (27, 0) , (16, 0) , 5 , 34 , 14 , 1 , 3 , 88 , 88 ))

FIRST

RTV3 Total Time 514.439438

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 (1, 3, 11, 13) 164.83266082050267 1.0

[('d', 11), (13, 14), (1, 14), (3, 14), (11, 14), (11, 24), (13, 25), (3, 27), (1, 29), ('d', 46)]

2 (4, 10) 207.00274245553754 1.0

[('d', 3), (10, 5), (4, 9), (4, 20), (10, 21), ('d', 42)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 (0, 6, 8, 12) 114.85054364284527 1.0

[('d', 13), (8, 14), (6, 16), (12, 16), (0, 18), (12, 27), (6, 29), (0, 30), (8, 31), ('d', 46)]

5 (5, 7, 9) 175.10457471601282 1.0

[('d', 13), (5, 14), (9, 14), (7, 16), (9, 20), (5, 25), (7, 25), ('d', 41)]

6 EMPTY6 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 20.0

Utility of 1 : 124.408137103

Utility of 2 : 50.9972575445

Utility of 3 : 16.0

Utility of 4 : 197.003313735

Utility of 5 : 29.120151893

Utility of 6 : 19.0

Utility of 0 : 69.0

Utility of 1 : 76.0

Utility of 2 : 0.0

Utility of 3 : 48.0

Utility of 4 : 57.0

Utility of 5 : 54.0

Utility of 6 : 71.0

Utility of 7 : 27.0

Utility of 8 : 80.0

Utility of 9 : 16.0

Utility of 10 : 76.0

Utility of 11 : 30.0

Utility of 12 : 54.0

Utility of 13 : 55.0

1215.7905216348984

RTV3 Total Time 742.178332

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 (0, 6, 8, 12) 413 1.0

[('d', 13), (8, 14), (6, 16), (12, 16), (0, 18), (12, 27), (6, 29), (0, 30), (8, 31), ('d', 51)]

3 (1, 3, 5, 13) 377 1.0

[('d', 12), (13, 14), (1, 14), (3, 14), (5, 15), (13, 25), (5, 26), (3, 27), (1, 29), ('d', 46)]

4 (4, 10) 282 1.0

[('d', 3), (10, 5), (4, 9), (4, 20), (10, 21), ('d', 36)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

6 EMPTY6 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 20.0

Utility of 1 : 16.0

Utility of 2 : 164.671041859

Utility of 3 : 52.4890277601

Utility of 4 : 75.2643822143

Utility of 5 : 11.0

Utility of 6 : 19.0

Utility of 0 : 69.0

Utility of 1 : 76.0

Utility of 2 : 0.0

Utility of 3 : 48.0

Utility of 4 : 57.0

Utility of 5 : 53.0

Utility of 6 : 71.0

Utility of 7 : 0.0

Utility of 8 : 80.0

Utility of 9 : 0.0

Utility of 10 : 76.0

Utility of 11 : 0.0

Utility of 12 : 54.0

Utility of 13 : 55.0

1891.0

DRIVERS 7

drivers.append(Driver( (3, 0) , (20, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.2472074908204579 ))

drivers.append(Driver( (27, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.24567914255794288 ))

drivers.append(Driver( (2, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.48569030974065364 ))

drivers.append(Driver( (26, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 169 , 0.892468797576698 ))

drivers.append(Driver( (3, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.8765526680448184 ))

drivers.append(Driver( (29, 0) , (17, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.409439099948143 ))

drivers.append(Driver( (4, 0) , (18, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.050505052024188646 ))

REQUESTS 5

reqs.append(Passenger( (3, 0) , (12, 0) , 11 , 27 , 14 , 1 , 3 , 74 , 74 ))

reqs.append(Passenger( (27, 0) , (14, 0) , 5 , 35 , 13 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (1, 0) , (19, 0) , 3 , 22 , 3 , 1 , 3 , 143 , 143 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 1 , 27 , 9 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (4, 0) , (18, 0) , 11 , 29 , 13 , 1 , 3 , 98 , 98 ))

FIRST

RTV3 Total Time 0.319566

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 (2,) 222.77356243308182 1.0

[('d', 2), (0, 3), (0, 21), ('d', 37)]

3 (1, 3) 198.7531202423302 1.0

[('d', 7), (1, 8), (3, 9), (3, 18), (1, 21), ('d', 42)]

4 (0, 4) 172.71507519138373 1.0

[('d', 12), (0, 12), (4, 13), (0, 21), (4, 27), ('d', 42)]

5 EMPTY5 120 1.0

[('d', 0), ('d', 20)]

6 EMPTY6 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 9.0

Utility of 1 : 14.0

Utility of 2 : -61.6287872123

Utility of 3 : 36.7845357698

Utility of 4 : -69.8027907135

Utility of 5 : 13.0

Utility of 6 : 7.0

Utility of 0 : -72.0

Utility of 1 : 62.0

Utility of 2 : 0.0

Utility of 3 : 33.0

Utility of 4 : 56.0

1140.2417578667958

RTV3 Total Time 0.314095

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 (2,) 266 1.0

[('d', 2), (0, 3), (0, 21), ('d', 37)]

3 (1, 3) 288 1.0

[('d', 7), (1, 8), (3, 9), (3, 18), (1, 21), ('d', 42)]

4 (0, 4) 263 1.0

[('d', 12), (0, 12), (4, 13), (0, 21), (4, 27), ('d', 42)]

5 EMPTY5 120 1.0

[('d', 0), ('d', 20)]

6 EMPTY6 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 9.0

Utility of 1 : 14.0

Utility of 2 : -61.6287872123

Utility of 3 : 36.7845357698

Utility of 4 : -69.8027907135

Utility of 5 : 13.0

Utility of 6 : 7.0

Utility of 0 : -72.0

Utility of 1 : 62.0

Utility of 2 : 0.0

Utility of 3 : 33.0

Utility of 4 : 56.0

1363.0

DRIVERS 7

drivers.append(Driver( (2, 0) , (18, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.7813852491727256 ))

drivers.append(Driver( (26, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.16093430306843515 ))

drivers.append(Driver( (0, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.6999271901584218 ))

drivers.append(Driver( (24, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.2612259305997523 ))

drivers.append(Driver( (3, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.47946418449671 ))

drivers.append(Driver( (25, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 95 , 0.16479866055738868 ))

drivers.append(Driver( (2, 0) , (17, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.9250524804534951 ))

REQUESTS 6

reqs.append(Passenger( (3, 0) , (17, 0) , 3 , 41 , 15 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (26, 0) , (16, 0) , 8 , 20 , 9 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (4, 0) , (20, 0) , 11 , 34 , 14 , 1 , 3 , 143 , 143 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 2 , 42 , 16 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (3, 0) , (14, 0) , 2 , 17 , 4 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 8 , 32 , 13 , 1 , 3 , 86 , 86 ))

FIRST

RTV3 Total Time 0.903026

0 (4,) 153.71212279053645 1.0

[('d', 1), (0, 2), (0, 13), ('d', 27)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 84 1.0

[('d', 0), ('d', 14)]

6 (0, 2) 153.96592088154537 1.0

[('d', 12), (0, 13), (2, 14), (0, 27), (2, 30), ('d', 47)]

Utility of 0 : 26.8225084388

Utility of 1 : 7.0

Utility of 2 : 6.0

Utility of 3 : 17.0

Utility of 4 : 5.0

Utility of 5 : 11.0

Utility of 6 : 16.3553530063

Utility of 0 : -34.0

Utility of 1 : 0.0

Utility of 2 : 95.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

1142.678043672082

RTV3 Total Time 0.904334

0 (0, 2) 296 1.0

[('d', 12), (0, 13), (2, 14), (0, 27), (2, 30), ('d', 44)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 (4,) 181 1.0

[('d', 2), (0, 2), (0, 13), ('d', 26)]

5 EMPTY5 84 1.0

[('d', 0), ('d', 14)]

6 EMPTY6 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 55.6168776085

Utility of 1 : 7.0

Utility of 2 : 6.0

Utility of 3 : 17.0

Utility of 4 : 83.5231922203

Utility of 5 : 11.0

Utility of 6 : 12.0

Utility of 0 : 109.0

Utility of 1 : 0.0

Utility of 2 : 95.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

1324.0

DRIVERS 7

drivers.append(Driver( (4, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 112 , 0.19538011663689392 ))

drivers.append(Driver( (28, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 94 , 0.6528755416602692 ))

drivers.append(Driver( (4, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.6858592643956717 ))

drivers.append(Driver( (25, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 104 , 0.017084150419923838 ))

drivers.append(Driver( (2, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.6098039543183702 ))

drivers.append(Driver( (25, 0) , (13, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.48474039219883247 ))

drivers.append(Driver( (1, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.2519654825398603 ))

REQUESTS 7

reqs.append(Passenger( (2, 0) , (15, 0) , 5 , 35 , 13 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 19 , 48 , 30 , 1 , 3 , 47 , 47 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 12 , 46 , 21 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 2 , 34 , 13 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 2 , 41 , 13 , 1 , 3 , 139 , 139 ))

reqs.append(Passenger( (29, 0) , (13, 0) , 6 , 37 , 13 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (2, 0) , (17, 0) , 1 , 33 , 9 , 1 , 3 , 111 , 111 ))

FIRST

RTV3 Total Time 5.588453

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 (3,) 143.70334737532627 1.0

[('d', 1), (0, 2), (0, 11), ('d', 24)]

2 EMPTY2 102 1.0

[('d', 0), ('d', 17)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 (0, 4, 6) 215.40391423268508 1.0

[('d', 7), (4, 8), (6, 9), (0, 9), (0, 22), (6, 24), (4, 24), ('d', 41)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 4.0

Utility of 1 : -0.604463167102

Utility of 2 : 11.0

Utility of 3 : 2.0

Utility of 4 : 42.4235355032

Utility of 5 : 5.0

Utility of 6 : 6.0

Utility of 0 : -13.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 86.0

Utility of 5 : 0.0

Utility of 6 : 66.0

1184.1072616080114

RTV3 Total Time 5.569397

0 EMPTY0 108 1.0

[('d', 0), ('d', 18)]

1 EMPTY1 90 1.0

[('d', 0), ('d', 15)]

2 EMPTY2 102 1.0

[('d', 0), ('d', 17)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 (0, 4, 6) 352 1.0

[('d', 7), (4, 8), (6, 9), (0, 9), (0, 22), (6, 24), (4, 24), ('d', 41)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 4.0

Utility of 1 : 4.0

Utility of 2 : 11.0

Utility of 3 : 2.0

Utility of 4 : 60.1078501784

Utility of 5 : 5.0

Utility of 6 : 6.0

Utility of 0 : 63.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 86.0

Utility of 5 : 0.0

Utility of 6 : 66.0

1345.0

DRIVERS 7

drivers.append(Driver( (5, 0) , (17, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.4070750250787869 ))

drivers.append(Driver( (25, 0) , (17, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.7365826415558278 ))

drivers.append(Driver( (3, 0) , (16, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.18154495089097566 ))

drivers.append(Driver( (27, 0) , (17, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.881603395684846 ))

drivers.append(Driver( (0, 0) , (19, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 163 , 0.33132066597961274 ))

drivers.append(Driver( (26, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 130 , 0.08926745682472403 ))

drivers.append(Driver( (5, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.41746418704812116 ))

REQUESTS 8

reqs.append(Passenger( (2, 0) , (12, 0) , 6 , 26 , 11 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 1 , 33 , 13 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 7 , 41 , 16 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 9 , 24 , 9 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (0, 0) , (17, 0) , 7 , 43 , 16 , 1 , 3 , 135 , 135 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 1 , 35 , 13 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 1 , 29 , 7 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 9 , 23 , 10 , 1 , 3 , 101 , 101 ))

FIRST

RTV3 Total Time 4.723619

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 (1, 3, 5, 7) 185.85054463282466 1.0

[('d', 8), (1, 9), (3, 9), (7, 10), (5, 11), (1, 17), (5, 21), (7, 22), (3, 23), ('d', 43)]

4 EMPTY4 162 1.0

[('d', 0), ('d', 27)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

6 (2, 6) 224.16626035994727 1.0

[('d', 7), (6, 7), (2, 7), (6, 22), (2, 22), ('d', 34)]

Utility of 0 : 15.0

Utility of 1 : 13.0

Utility of 2 : 1.0

Utility of 3 : 98.8598349931

Utility of 4 : 1.0

Utility of 5 : 16.0

Utility of 6 : 10.0765619566

Utility of 0 : 0.0

Utility of 1 : 36.0

Utility of 2 : 41.0

Utility of 3 : 47.0

Utility of 4 : 0.0

Utility of 5 : 39.0

Utility of 6 : 55.0

Utility of 7 : 65.0

1240.016804992772

RTV3 Total Time 5.312801

0 EMPTY0 114 1.0

[('d', 0), ('d', 19)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 (1, 3, 5, 7) 356 1.0

[('d', 8), (1, 9), (3, 9), (7, 10), (5, 11), (1, 17), (5, 21), (7, 22), (3, 23), ('d', 43)]

4 EMPTY4 162 1.0

[('d', 0), ('d', 27)]

5 EMPTY5 114 1.0

[('d', 0), ('d', 19)]

6 (2, 6) 268 1.0

[('d', 7), (6, 7), (2, 7), (6, 22), (2, 22), ('d', 34)]

Utility of 0 : 15.0

Utility of 1 : 13.0

Utility of 2 : 1.0

Utility of 3 : 98.8598349931

Utility of 4 : 1.0

Utility of 5 : 16.0

Utility of 6 : 10.0765619566

Utility of 0 : 0.0

Utility of 1 : 36.0

Utility of 2 : 41.0

Utility of 3 : 47.0

Utility of 4 : 0.0

Utility of 5 : 39.0

Utility of 6 : 55.0

Utility of 7 : 65.0

1454.0

DRIVERS 7

drivers.append(Driver( (3, 0) , (19, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.9890048418145965 ))

drivers.append(Driver( (27, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.7666013789854096 ))

drivers.append(Driver( (4, 0) , (19, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.3574688222970873 ))

drivers.append(Driver( (25, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 108 , 0.5625409696840624 ))

drivers.append(Driver( (3, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.8191729806253824 ))

drivers.append(Driver( (26, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.5935419212970185 ))

drivers.append(Driver( (4, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.5615882328149847 ))

REQUESTS 9

reqs.append(Passenger( (5, 0) , (15, 0) , 4 , 33 , 13 , 1 , 3 , 75 , 75 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 11 , 23 , 13 , 1 , 3 , 52 , 52 ))

reqs.append(Passenger( (0, 0) , (14, 0) , 3 , 32 , 10 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 21 , 32 , 24 , 1 , 3 , 30 , 30 ))

reqs.append(Passenger( (3, 0) , (13, 0) , 17 , 45 , 26 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 3 , 31 , 13 , 1 , 3 , 52 , 52 ))

reqs.append(Passenger( (5, 0) , (16, 0) , 13 , 48 , 25 , 1 , 3 , 66 , 66 ))

reqs.append(Passenger( (25, 0) , (18, 0) , 4 , 21 , 9 , 1 , 3 , 46 , 46 ))

reqs.append(Passenger( (2, 0) , (17, 0) , 2 , 22 , 4 , 1 , 3 , 122 , 122 ))

FIRST

RTV3 Total Time 29.847618

0 (0, 2, 4, 6) 202.31997837712024 1.0

[('d', 11), (2, 14), (4, 17), (0, 19), (6, 19), (4, 27), (2, 28), (0, 29), (6, 30), ('d', 51)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 (8,) 182.92368049184557 1.0

[('d', 1), (0, 2), (0, 17), ('d', 34)]

5 (1, 5, 7) 190.36185284715938 1.0

[('d', 11), (1, 11), (5, 12), (7, 12), (1, 18), (5, 19), (7, 19), ('d', 38)]

6 EMPTY6 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 88.9549005775

Utility of 1 : 9.0

Utility of 2 : 13.0

Utility of 3 : 12.0

Utility of 4 : 74.3661743963

Utility of 5 : 18.0768956251

Utility of 6 : 21.0

Utility of 0 : 96.0

Utility of 1 : 29.0

Utility of 2 : 78.0

Utility of 3 : 0.0

Utility of 4 : 42.0

Utility of 5 : 30.0

Utility of 6 : 27.0

Utility of 7 : 22.0

Utility of 8 : 0.0

1091.6055117161252

RTV3 Total Time 29.882306

0 (0, 2, 8) 386 1.0

[('d', 2), (8, 3), (2, 5), (0, 10), (2, 19), (0, 20), (8, 22), ('d', 43)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 (1, 5, 7) 242 1.0

[('d', 11), (1, 11), (5, 12), (7, 12), (1, 18), (5, 19), (7, 19), ('d', 38)]

6 (4, 6) 262 1.0

[('d', 22), (4, 23), (6, 25), (4, 33), (6, 36), ('d', 51)]

Utility of 0 : 88.9878860521

Utility of 1 : 9.0

Utility of 2 : 13.0

Utility of 3 : 12.0

Utility of 4 : 1.0

Utility of 5 : 18.0768956251

Utility of 6 : 2.48864685801

Utility of 0 : 42.0

Utility of 1 : 29.0

Utility of 2 : 77.0

Utility of 3 : 0.0

Utility of 4 : 48.0

Utility of 5 : 30.0

Utility of 6 : 33.0

Utility of 7 : 22.0

Utility of 8 : 64.0

1394.0

DRIVERS 7

drivers.append(Driver( (2, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.41546849469329084 ))

drivers.append(Driver( (29, 0) , (15, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.552556474109827 ))

drivers.append(Driver( (1, 0) , (16, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 155 , 0.6948451133693103 ))

drivers.append(Driver( (27, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 167 , 0.9897746033565915 ))

drivers.append(Driver( (1, 0) , (12, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.4721048903202605 ))

drivers.append(Driver( (27, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 116 , 0.9666916668848737 ))

drivers.append(Driver( (3, 0) , (18, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 165 , 0.5258229942166488 ))

REQUESTS 10

reqs.append(Passenger( (3, 0) , (16, 0) , 6 , 28 , 10 , 1 , 3 , 109 , 109 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 8 , 39 , 17 , 1 , 3 , 77 , 77 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 4 , 41 , 14 , 1 , 3 , 108 , 108 ))

reqs.append(Passenger( (25, 0) , (15, 0) , 6 , 32 , 14 , 1 , 3 , 66 , 66 ))

reqs.append(Passenger( (4, 0) , (13, 0) , 9 , 32 , 16 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 1 , 30 , 12 , 1 , 3 , 50 , 50 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 0 , 20 , 3 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 4 , 28 , 9 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 9 , 23 , 12 , 1 , 3 , 53 , 53 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 2 , 41 , 14 , 1 , 3 , 123 , 123 ))

FIRST

RTV3 Total Time 120.721537

0 EMPTY0 126 1.0

[('d', 0), ('d', 21)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 2, 6) 231.53818936678553 1.0

[('d', 4), (2, 4), (0, 6), (6, 7), (0, 19), (6, 20), (2, 20), ('d', 39)]

3 (1, 3, 7, 9) 178.09620631189867 1.0

[('d', 10), (1, 11), (9, 12), (7, 12), (3, 14), (1, 23), (3, 24), (9, 26), (7, 26), ('d', 45)]

4 EMPTY4 108 1.0

[('d', 0), ('d', 18)]

5 (5,) 128.06586665968405 1.0

[('d', 3), (0, 6), (0, 12), ('d', 25)]

6 (4, 8) 211.14074441640128 1.0

[('d', 10), (4, 11), (8, 12), (8, 19), (4, 20), ('d', 41)]

Utility of 0 : 16.0

Utility of 1 : 15.0

Utility of 2 : 54.9545985926

Utility of 3 : 139.016273051

Utility of 4 : 17.0

Utility of 5 : 91.2028500249

Utility of 6 : 4.23014061252

Utility of 0 : 48.0

Utility of 1 : 35.0

Utility of 2 : 50.0

Utility of 3 : 36.0

Utility of 4 : 35.0

Utility of 5 : 0.0

Utility of 6 : 48.0

Utility of 7 : 44.0

Utility of 8 : 32.0

Utility of 9 : 79.0

1102.8410067547695

RTV3 Total Time 190.215896

0 EMPTY0 126 1.0

[('d', 0), ('d', 21)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 (0, 2, 4, 8) 364 1.0

[('d', 8), (2, 8), (0, 10), (4, 11), (8, 12), (8, 19), (4, 20), (0, 23), (2, 24), ('d', 43)]

3 (3, 5, 7, 9) 347 1.0

[('d', 9), (9, 9), (7, 9), (3, 11), (5, 12), (5, 18), (3, 21), (9, 23), (7, 23), ('d', 42)]

4 EMPTY4 108 1.0

[('d', 0), ('d', 18)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 EMPTY6 150 1.0

[('d', 0), ('d', 25)]

Utility of 0 : 16.0

Utility of 1 : 15.0

Utility of 2 : 69.7154166535

Utility of 3 : 146.077625431

Utility of 4 : 17.0

Utility of 5 : 14.0

Utility of 6 : 15.0

Utility of 0 : 70.0

Utility of 1 : 0.0

Utility of 2 : 54.0

Utility of 3 : 33.0

Utility of 4 : 35.0

Utility of 5 : 32.0

Utility of 6 : 0.0

Utility of 7 : 47.0

Utility of 8 : 32.0

Utility of 9 : 76.0

1485.0

DRIVERS 7

drivers.append(Driver( (3, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.760179021184512 ))

drivers.append(Driver( (26, 0) , (14, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 163 , 0.13873575074298017 ))

drivers.append(Driver( (0, 0) , (15, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.36723756766555826 ))

drivers.append(Driver( (25, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 98 , 0.009635639349444336 ))

drivers.append(Driver( (4, 0) , (17, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.6598800824376904 ))

drivers.append(Driver( (29, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.9704112161294236 ))

drivers.append(Driver( (0, 0) , (16, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.9770565385777803 ))

REQUESTS 11

reqs.append(Passenger( (3, 0) , (18, 0) , 11 , 46 , 21 , 1 , 3 , 134 , 134 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 10 , 37 , 19 , 1 , 3 , 53 , 53 ))

reqs.append(Passenger( (3, 0) , (18, 0) , 5 , 33 , 11 , 1 , 3 , 90 , 90 ))

reqs.append(Passenger( (24, 0) , (12, 0) , 7 , 19 , 7 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (2, 0) , (18, 0) , 7 , 46 , 18 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (25, 0) , (15, 0) , 15 , 54 , 29 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 0 , 37 , 11 , 1 , 3 , 133 , 133 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 0 , 31 , 11 , 1 , 3 , 53 , 53 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 3 , 33 , 10 , 1 , 3 , 123 , 123 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 11 , 24 , 11 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 8 , 28 , 11 , 1 , 3 , 92 , 92 ))

FIRST

RTV3 Total Time 400.262801

0 (2, 10) 182.50245592391784 1.0

[('d', 9), (2, 9), (10, 11), (2, 24), (10, 24), ('d', 36)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 (1, 7, 9) 144.6690091999515 1.0

[('d', 10), (9, 11), (7, 13), (1, 15), (7, 21), (1, 23), (9, 24), ('d', 37)]

6 (0, 4, 6, 8) 79.50251188506587 1.0

[('d', 11), (6, 11), (8, 11), (4, 13), (0, 14), (6, 26), (8, 26), (4, 29), (0, 29), ('d', 43)]

Utility of 0 : 29.9771860337

Utility of 1 : 19.0

Utility of 2 : 8.0

Utility of 3 : 2.0

Utility of 4 : 21.0

Utility of 5 : 63.5085235033

Utility of 6 : 245.795753113

Utility of 0 : 82.0

Utility of 1 : 25.0

Utility of 2 : 43.0

Utility of 3 : 0.0

Utility of 4 : 67.0

Utility of 5 : 0.0

Utility of 6 : 88.0

Utility of 7 : 27.0

Utility of 8 : 77.0

Utility of 9 : 66.0

Utility of 10 : 53.0

1082.6739770089353

RTV3 Total Time 548.399028

0 (0, 2, 4, 10) 380 1.0

[('d', 9), (4, 10), (2, 11), (0, 11), (10, 13), (2, 26), (4, 26), (10, 26), (0, 26), ('d', 38)]

1 EMPTY1 144 1.0

[('d', 0), ('d', 24)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 (1, 7, 9) 265 1.0

[('d', 10), (9, 11), (7, 13), (1, 15), (7, 21), (1, 23), (9, 24), ('d', 37)]

6 (6, 8) 275 1.0

[('d', 10), (6, 10), (8, 10), (6, 25), (8, 25), ('d', 39)]

Utility of 0 : 126.682786063

Utility of 1 : 19.0

Utility of 2 : 8.0

Utility of 3 : 2.0

Utility of 4 : 21.0

Utility of 5 : 63.5085235033

Utility of 6 : 119.214328865

Utility of 0 : 79.0

Utility of 1 : 25.0

Utility of 2 : 45.0

Utility of 3 : 0.0

Utility of 4 : 64.0

Utility of 5 : 0.0

Utility of 6 : 87.0

Utility of 7 : 27.0

Utility of 8 : 78.0

Utility of 9 : 66.0

Utility of 10 : 51.0

1596.0

DRIVERS 7

drivers.append(Driver( (1, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 156 , 0.5474363275781935 ))

drivers.append(Driver( (28, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 149 , 0.33713016452218303 ))

drivers.append(Driver( (1, 0) , (13, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.3710809183881961 ))

drivers.append(Driver( (28, 0) , (15, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.33663681608760576 ))

drivers.append(Driver( (4, 0) , (18, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.5782221434813076 ))

drivers.append(Driver( (26, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 117 , 0.430712026495335 ))

drivers.append(Driver( (2, 0) , (13, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 118 , 0.8872604901069229 ))

REQUESTS 12

reqs.append(Passenger( (0, 0) , (20, 0) , 0 , 36 , 8 , 1 , 3 , 127 , 127 ))

reqs.append(Passenger( (24, 0) , (20, 0) , 2 , 30 , 14 , 1 , 3 , 25 , 25 ))

reqs.append(Passenger( (3, 0) , (14, 0) , 11 , 49 , 24 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (27, 0) , (19, 0) , 9 , 25 , 13 , 1 , 3 , 63 , 63 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 10 , 25 , 11 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 11 , 49 , 22 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 13 , 53 , 26 , 1 , 3 , 89 , 89 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 1 , 34 , 11 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (2, 0) , (15, 0) , 11 , 35 , 16 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 1 , 28 , 6 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (5, 0) , (12, 0) , 17 , 33 , 21 , 1 , 3 , 54 , 54 ))

reqs.append(Passenger( (29, 0) , (20, 0) , 6 , 16 , 6 , 1 , 3 , 57 , 57 ))

FIRST

RTV3 Total Time 60.154396

0 (0, 4) 256.85507701819495 1.0

[('d', 5), (0, 6), (4, 11), (4, 24), (0, 26), ('d', 41)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 102 1.0

[('d', 0), ('d', 17)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 108 1.0

[('d', 0), ('d', 18)]

6 (2, 6, 8, 10) 150.88612050829465 1.0

[('d', 18), (8, 18), (2, 19), (6, 20), (10, 21), (10, 28), (2, 30), (8, 31), (6, 33), ('d', 46)]

Utility of 0 : -0.949949673351

Utility of 1 : 17.0

Utility of 2 : 11.0

Utility of 3 : 3.0

Utility of 4 : 8.0

Utility of 5 : 9.0

Utility of 6 : 100.57949312

Utility of 0 : 65.0

Utility of 1 : 0.0

Utility of 2 : 42.0

Utility of 3 : 0.0

Utility of 4 : 52.0

Utility of 5 : 0.0

Utility of 6 : 44.0

Utility of 7 : 0.0

Utility of 8 : 71.0

Utility of 9 : 0.0

Utility of 10 : 33.0

Utility of 11 : 0.0

1472.7411975264897

RTV3 Total Time 78.889238

0 (0, 4) 322 1.0

[('d', 5), (0, 6), (4, 11), (4, 24), (0, 26), ('d', 41)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 102 1.0

[('d', 0), ('d', 17)]

3 EMPTY3 120 1.0

[('d', 0), ('d', 20)]

4 (2, 6, 8, 10) 347 1.0

[('d', 16), (8, 18), (2, 19), (6, 20), (10, 21), (10, 28), (2, 30), (8, 31), (6, 33), ('d', 47)]

5 EMPTY5 108 1.0

[('d', 0), ('d', 18)]

6 EMPTY6 102 1.0

[('d', 0), ('d', 17)]

Utility of 0 : -0.949949673351

Utility of 1 : 17.0

Utility of 2 : 11.0

Utility of 3 : 3.0

Utility of 4 : 35.8622072614

Utility of 5 : 9.0

Utility of 6 : 16.0

Utility of 0 : 65.0

Utility of 1 : 0.0

Utility of 2 : 42.0

Utility of 3 : 0.0

Utility of 4 : 52.0

Utility of 5 : 0.0

Utility of 6 : 44.0

Utility of 7 : 0.0

Utility of 8 : 71.0

Utility of 9 : 0.0

Utility of 10 : 33.0

Utility of 11 : 0.0

1716.0

DRIVERS 7

drivers.append(Driver( (4, 0) , (19, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 163 , 0.5685933531721408 ))

drivers.append(Driver( (25, 0) , (14, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 154 , 0.2714297395872536 ))

drivers.append(Driver( (0, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.18603064741991482 ))

drivers.append(Driver( (29, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.0995394403936184 ))

drivers.append(Driver( (2, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.5920032467021104 ))

drivers.append(Driver( (25, 0) , (13, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 114 , 0.39593974091211714 ))

drivers.append(Driver( (3, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 117 , 0.01003979192147808 ))

REQUESTS 13

reqs.append(Passenger( (5, 0) , (17, 0) , 6 , 43 , 18 , 1 , 3 , 81 , 81 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 0 , 33 , 9 , 1 , 3 , 122 , 122 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 5 , 31 , 8 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 7 , 38 , 17 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (3, 0) , (13, 0) , 16 , 29 , 17 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 12 , 38 , 17 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 8 , 45 , 17 , 1 , 3 , 158 , 158 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 19 , 26 , 19 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 3 , 46 , 15 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (24, 0) , (20, 0) , 19 , 24 , 19 , 1 , 3 , 33 , 33 ))

reqs.append(Passenger( (2, 0) , (17, 0) , 8 , 49 , 21 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (29, 0) , (16, 0) , 2 , 16 , 2 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 11 , 34 , 17 , 1 , 3 , 85 , 85 ))

FIRST

RTV3 Total Time 122.231896

0 (4, 12) 220.3951915676795 1.0

[('d', 15), (4, 16), (12, 17), (4, 26), (12, 28), ('d', 47)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 (0, 6, 8, 10) 284.0391720909618 1.0

[('d', 11), (6, 13), (8, 15), (10, 15), (0, 18), (0, 30), (10, 30), (6, 32), (8, 33), ('d', 48)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 EMPTY6 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 6.03621507915

Utility of 1 : 16.0

Utility of 2 : 6.0

Utility of 3 : 3.0

Utility of 4 : 60.040795442

Utility of 5 : 12.0

Utility of 6 : 3.0

Utility of 0 : 45.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 36.0

Utility of 5 : 0.0

Utility of 6 : 97.0

Utility of 7 : 0.0

Utility of 8 : 58.0

Utility of 9 : 0.0

Utility of 10 : 45.0

Utility of 11 : 0.0

Utility of 12 : 52.0

1779.4343636586411

RTV3 Total Time 156.683090

0 (4, 12) 271 1.0

[('d', 15), (4, 16), (12, 17), (4, 26), (12, 28), ('d', 47)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 (0, 6, 8, 10) 435 1.0

[('d', 11), (6, 13), (8, 15), (10, 15), (0, 18), (0, 30), (10, 30), (6, 32), (8, 33), ('d', 48)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 EMPTY6 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 6.03621507915

Utility of 1 : 16.0

Utility of 2 : 6.0

Utility of 3 : 3.0

Utility of 4 : 60.040795442

Utility of 5 : 12.0

Utility of 6 : 3.0

Utility of 0 : 45.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 36.0

Utility of 5 : 0.0

Utility of 6 : 97.0

Utility of 7 : 0.0

Utility of 8 : 58.0

Utility of 9 : 0.0

Utility of 10 : 45.0

Utility of 11 : 0.0

Utility of 12 : 52.0

1981.0

DRIVERS 7

drivers.append(Driver( (0, 0) , (16, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 166 , 0.223886396043097 ))

drivers.append(Driver( (28, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 112 , 0.0070406950080755815 ))

drivers.append(Driver( (4, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.852881721402606 ))

drivers.append(Driver( (26, 0) , (14, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.7638553105261543 ))

drivers.append(Driver( (4, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.12555810593163164 ))

drivers.append(Driver( (24, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.975445613324176 ))

drivers.append(Driver( (3, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 111 , 0.20403926613395085 ))

REQUESTS 14

reqs.append(Passenger( (3, 0) , (12, 0) , 6 , 43 , 20 , 1 , 3 , 58 , 58 ))

reqs.append(Passenger( (24, 0) , (13, 0) , 12 , 36 , 18 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 7 , 22 , 8 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 11 , 27 , 11 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 10 , 44 , 20 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (29, 0) , (14, 0) , 12 , 28 , 12 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (3, 0) , (13, 0) , 12 , 40 , 21 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (27, 0) , (15, 0) , 8 , 34 , 15 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 6 , 23 , 8 , 1 , 3 , 116 , 116 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 4 , 24 , 8 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 6 , 49 , 19 , 1 , 3 , 122 , 122 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 4 , 18 , 6 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 4 , 34 , 12 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 2 , 40 , 14 , 1 , 3 , 119 , 119 ))

FIRST

RTV3 Total Time 182.673573

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 (4, 6, 10, 12) 169.89685997776414 1.0

[('d', 13), (10, 17), (12, 20), (4, 20), (6, 20), (6, 30), (12, 33), (10, 33), (4, 33), ('d', 46)]

3 (1, 5, 7, 13) 203.71568699477223 1.0

[('d', 9), (5, 12), (13, 14), (7, 14), (1, 17), (7, 26), (5, 27), (13, 28), (1, 28), ('d', 43)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 (9, 11) 168.06256848076922 1.0

[('d', 4), (9, 5), (11, 6), (11, 16), (9, 16), ('d', 34)]

6 EMPTY6 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 16.0

Utility of 1 : 10.0

Utility of 2 : 118.721441087

Utility of 3 : 76.7566023842

Utility of 4 : 5.0

Utility of 5 : 10.0110946793

Utility of 6 : 3.0

Utility of 0 : 0.0

Utility of 1 : 38.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 60.0

Utility of 5 : 59.0

Utility of 6 : 52.0

Utility of 7 : 43.0

Utility of 8 : 0.0

Utility of 9 : 43.0

Utility of 10 : 72.0

Utility of 11 : 38.0

Utility of 12 : 49.0

Utility of 13 : 77.0

1379.6751154533056

RTV3 Total Time 271.903096

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 (0, 4, 8, 12) 339 1.0

[('d', 9), (12, 10), (0, 10), (8, 10), (4, 10), (0, 19), (12, 23), (8, 23), (4, 23), ('d', 36)]

3 (1, 5, 7, 13) 371 1.0

[('d', 9), (5, 12), (13, 14), (7, 14), (1, 17), (7, 26), (5, 27), (13, 28), (1, 28), ('d', 43)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 EMPTY6 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 16.0

Utility of 1 : 10.0

Utility of 2 : 131.429226002

Utility of 3 : 76.7566023842

Utility of 4 : 5.0

Utility of 5 : 13.0

Utility of 6 : 3.0

Utility of 0 : 21.0

Utility of 1 : 38.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 50.0

Utility of 5 : 59.0

Utility of 6 : 0.0

Utility of 7 : 43.0

Utility of 8 : 75.0

Utility of 9 : 0.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 55.0

Utility of 13 : 77.0

1828.0

DRIVERS 8

drivers.append(Driver( (1, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 174 , 0.14791967712976406 ))

drivers.append(Driver( (28, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.23971217667009648 ))

drivers.append(Driver( (2, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 130 , 0.9752662732423846 ))

drivers.append(Driver( (29, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 175 , 0.3087425859125451 ))

drivers.append(Driver( (5, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 104 , 0.5039770612548415 ))

drivers.append(Driver( (27, 0) , (19, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 109 , 0.5482418991617043 ))

drivers.append(Driver( (2, 0) , (19, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 153 , 0.4704311968654179 ))

drivers.append(Driver( (25, 0) , (14, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.12774365143703625 ))

REQUESTS 5

reqs.append(Passenger( (0, 0) , (15, 0) , 8 , 26 , 9 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 10 , 36 , 14 , 1 , 3 , 105 , 105 ))

reqs.append(Passenger( (3, 0) , (15, 0) , 11 , 44 , 21 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 2 , 19 , 3 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (2, 0) , (15, 0) , 8 , 33 , 14 , 1 , 3 , 89 , 89 ))

FIRST

RTV3 Total Time 0.984006

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (0, 2, 4) 135.64994063043173 1.0

[('d', 7), (0, 9), (4, 11), (2, 12), (0, 24), (4, 24), (2, 24), ('d', 37)]

3 EMPTY3 162 1.0

[('d', 0), ('d', 27)]

4 EMPTY4 96 1.0

[('d', 0), ('d', 16)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 EMPTY6 150 1.0

[('d', 0), ('d', 25)]

7 EMPTY7 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 24.0

Utility of 1 : 3.0

Utility of 2 : 114.646864091

Utility of 3 : 13.0

Utility of 4 : 8.0

Utility of 5 : 7.0

Utility of 6 : 3.0

Utility of 7 : 20.0

Utility of 0 : 75.0

Utility of 1 : 0.0

Utility of 2 : 54.0

Utility of 3 : 0.0

Utility of 4 : 47.0

1291.6499406304317

RTV3 Total Time 0.986207

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 (0, 2, 4) 319 1.0

[('d', 7), (0, 9), (4, 11), (2, 12), (0, 24), (4, 24), (2, 24), ('d', 37)]

3 EMPTY3 162 1.0

[('d', 0), ('d', 27)]

4 EMPTY4 96 1.0

[('d', 0), ('d', 16)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 EMPTY6 150 1.0

[('d', 0), ('d', 25)]

7 EMPTY7 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 24.0

Utility of 1 : 3.0

Utility of 2 : 114.646864091

Utility of 3 : 13.0

Utility of 4 : 8.0

Utility of 5 : 7.0

Utility of 6 : 3.0

Utility of 7 : 20.0

Utility of 0 : 75.0

Utility of 1 : 0.0

Utility of 2 : 54.0

Utility of 3 : 0.0

Utility of 4 : 47.0

1475.0

DRIVERS 8

drivers.append(Driver( (3, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.3938876775962171 ))

drivers.append(Driver( (29, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.5800585541771109 ))

drivers.append(Driver( (3, 0) , (16, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 166 , 0.3392282182555473 ))

drivers.append(Driver( (26, 0) , (19, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 106 , 0.903977114494312 ))

drivers.append(Driver( (5, 0) , (14, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 107 , 0.9375479240218029 ))

drivers.append(Driver( (24, 0) , (14, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 99 , 0.023658778164347805 ))

drivers.append(Driver( (1, 0) , (19, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 180 , 0.2153370202312911 ))

drivers.append(Driver( (29, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.1222822132896979 ))

REQUESTS 6

reqs.append(Passenger( (5, 0) , (20, 0) , 3 , 19 , 3 , 1 , 3 , 130 , 130 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 10 , 21 , 11 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (5, 0) , (17, 0) , 14 , 55 , 28 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (25, 0) , (17, 0) , 3 , 40 , 17 , 1 , 3 , 65 , 65 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 11 , 52 , 24 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 6 , 37 , 17 , 1 , 3 , 68 , 68 ))

FIRST

RTV3 Total Time 2.706332

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 (1, 3, 5) 162.3307004896712 1.0

[('d', 9), (1, 11), (3, 14), (5, 15), (1, 19), (3, 22), (5, 24), ('d', 39)]

4 (0,) 154.30842645814676 1.0

[('d', 3), (0, 3), (0, 18), ('d', 34)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

6 EMPTY6 156 1.0

[('d', 0), ('d', 26)]

7 EMPTY7 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 2.0

Utility of 1 : 20.0

Utility of 2 : 22.0

Utility of 3 : 19.1494139379

Utility of 4 : -2.30842645815

Utility of 5 : 3.0

Utility of 6 : 24.0

Utility of 7 : 19.0

Utility of 0 : 85.0

Utility of 1 : 36.0

Utility of 2 : 0.0

Utility of 3 : 38.0

Utility of 4 : 0.0

Utility of 5 : 39.0

1285.639126947818

RTV3 Total Time 2.816596

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 (1, 3, 5) 276 1.0

[('d', 10), (1, 11), (3, 14), (5, 15), (1, 19), (3, 22), (5, 24), ('d', 41)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 96 1.0

[('d', 0), ('d', 16)]

4 EMPTY4 102 1.0

[('d', 0), ('d', 17)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

6 EMPTY6 156 1.0

[('d', 0), ('d', 26)]

7 EMPTY7 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 2.0

Utility of 1 : 27.546616622

Utility of 2 : 22.0

Utility of 3 : 10.0

Utility of 4 : 5.0

Utility of 5 : 3.0

Utility of 6 : 24.0

Utility of 7 : 19.0

Utility of 0 : 0.0

Utility of 1 : 36.0

Utility of 2 : 0.0

Utility of 3 : 38.0

Utility of 4 : 0.0

Utility of 5 : 39.0

1435.0

DRIVERS 8

drivers.append(Driver( (0, 0) , (20, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 182 , 0.7620274534976554 ))

drivers.append(Driver( (28, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.9172982457273693 ))

drivers.append(Driver( (4, 0) , (15, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.7331312360084231 ))

drivers.append(Driver( (24, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.7299474050087383 ))

drivers.append(Driver( (3, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 162 , 0.6717330045967157 ))

drivers.append(Driver( (27, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.8590666930029209 ))

drivers.append(Driver( (2, 0) , (20, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 175 , 0.4657969219722987 ))

drivers.append(Driver( (28, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.6358829603063025 ))

REQUESTS 7

reqs.append(Passenger( (5, 0) , (13, 0) , 4 , 31 , 13 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (27, 0) , (15, 0) , 14 , 47 , 24 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 7 , 51 , 19 , 1 , 3 , 136 , 136 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 4 , 13 , 4 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 5 , 51 , 19 , 1 , 3 , 138 , 138 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 16 , 54 , 30 , 1 , 3 , 65 , 65 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 0 , 22 , 1 , 1 , 3 , 160 , 160 ))

FIRST

RTV3 Total Time 5.100585

0 (0, 2, 4) 242.8324818469713 1.0

[('d', 8), (2, 9), (4, 10), (0, 13), (0, 21), (4, 28), (2, 28), ('d', 47)]

1 (1, 5) 173.9317894614441 1.0

[('d', 23), (5, 23), (1, 24), (5, 32), (1, 36), ('d', 53)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 (3,) 152.07359905189486 1.0

[('d', 3), (0, 4), (0, 12), ('d', 29)]

6 (6,) 239.02291703685324 1.0

[('d', 1), (0, 2), (0, 21), ('d', 39)]

7 EMPTY7 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 78.6889965366

Utility of 1 : 14.6471228185

Utility of 2 : 7.0

Utility of 3 : 18.0

Utility of 4 : 18.0

Utility of 5 : 81.2558701694

Utility of 6 : 28.9118521111

Utility of 7 : 12.0

Utility of 0 : 77.0

Utility of 1 : 70.0

Utility of 2 : 69.0

Utility of 3 : 0.0

Utility of 4 : 75.0

Utility of 5 : 31.0

Utility of 6 : 0.0

1323.8607873971637

RTV3 Total Time 5.113680

0 (2, 4) 363 1.0

[('d', 17), (2, 18), (4, 19), (4, 37), (2, 37), ('d', 56)]

1 (1, 5) 273 1.0

[('d', 23), (5, 23), (1, 24), (5, 32), (1, 36), ('d', 53)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 EMPTY5 120 1.0

[('d', 0), ('d', 20)]

6 (0, 6) 318 1.0

[('d', 1), (6, 2), (0, 6), (0, 14), (6, 21), ('d', 39)]

7 EMPTY7 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 54.4484474666

Utility of 1 : 14.6471228185

Utility of 2 : 7.0

Utility of 3 : 18.0

Utility of 4 : 18.0

Utility of 5 : 6.0

Utility of 6 : 7.95099062232

Utility of 7 : 12.0

Utility of 0 : 31.0

Utility of 1 : 70.0

Utility of 2 : 78.0

Utility of 3 : 0.0

Utility of 4 : 84.0

Utility of 5 : 31.0

Utility of 6 : 102.0

1650.0

DRIVERS 8

drivers.append(Driver( (5, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.4462177298312915 ))

drivers.append(Driver( (29, 0) , (15, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 124 , 0.33677059948114074 ))

drivers.append(Driver( (4, 0) , (14, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 104 , 0.30769394797134375 ))

drivers.append(Driver( (26, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 160 , 0.6457535321362257 ))

drivers.append(Driver( (3, 0) , (17, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.8801966862567199 ))

drivers.append(Driver( (24, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.08179493148922146 ))

drivers.append(Driver( (4, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.15948914669065395 ))

drivers.append(Driver( (25, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 86 , 0.7306961835265524 ))

REQUESTS 8

reqs.append(Passenger( (5, 0) , (12, 0) , 7 , 23 , 11 , 1 , 3 , 49 , 49 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 13 , 39 , 22 , 1 , 3 , 66 , 66 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 7 , 27 , 9 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 5 , 17 , 7 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (4, 0) , (16, 0) , 5 , 43 , 18 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 4 , 43 , 16 , 1 , 3 , 121 , 121 ))

reqs.append(Passenger( (1, 0) , (15, 0) , 7 , 47 , 20 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (24, 0) , (17, 0) , 15 , 42 , 25 , 1 , 3 , 43 , 43 ))

FIRST

RTV3 Total Time 5.769163

0 EMPTY0 126 1.0

[('d', 0), ('d', 21)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 96 1.0

[('d', 0), ('d', 16)]

3 (1, 5, 7) 227.59450550092842 1.0

[('d', 15), (5, 16), (1, 19), (7, 19), (7, 26), (1, 27), (5, 31), ('d', 49)]

4 (0, 2, 4, 6) 239.48144949368293 1.0

[('d', 5), (6, 7), (4, 10), (0, 11), (2, 11), (0, 18), (6, 21), (4, 22), (2, 26), ('d', 45)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 108 1.0

[('d', 0), ('d', 18)]

7 EMPTY7 78 1.0

[('d', 0), ('d', 13)]

Utility of 0 : 7.0

Utility of 1 : 4.0

Utility of 2 : 8.0

Utility of 3 : 25.5937127098

Utility of 4 : 49.2740267224

Utility of 5 : 6.0

Utility of 6 : 5.0

Utility of 7 : 8.0

Utility of 0 : 28.0

Utility of 1 : 39.0

Utility of 2 : 63.0

Utility of 3 : 0.0

Utility of 4 : 36.0

Utility of 5 : 76.0

Utility of 6 : 46.0

Utility of 7 : 16.0

1178.0759549946115

RTV3 Total Time 6.360181

0 EMPTY0 126 1.0

[('d', 0), ('d', 21)]

1 EMPTY1 120 1.0

[('d', 0), ('d', 20)]

2 EMPTY2 96 1.0

[('d', 0), ('d', 16)]

3 (1, 5, 7) 318 1.0

[('d', 15), (5, 16), (1, 19), (7, 19), (7, 26), (1, 27), (5, 31), ('d', 49)]

4 (0, 2, 4, 6) 412 1.0

[('d', 5), (6, 7), (4, 10), (0, 11), (2, 11), (0, 18), (6, 21), (4, 22), (2, 26), ('d', 45)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 108 1.0

[('d', 0), ('d', 18)]

7 EMPTY7 78 1.0

[('d', 0), ('d', 13)]

Utility of 0 : 7.0

Utility of 1 : 4.0

Utility of 2 : 8.0

Utility of 3 : 25.5937127098

Utility of 4 : 49.2740267224

Utility of 5 : 6.0

Utility of 6 : 5.0

Utility of 7 : 8.0

Utility of 0 : 28.0

Utility of 1 : 39.0

Utility of 2 : 63.0

Utility of 3 : 0.0

Utility of 4 : 36.0

Utility of 5 : 76.0

Utility of 6 : 46.0

Utility of 7 : 16.0

1441.0

DRIVERS 8

drivers.append(Driver( (1, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 173 , 0.9767788225075668 ))

drivers.append(Driver( (27, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 160 , 0.14545382273026342 ))

drivers.append(Driver( (2, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 155 , 0.4952635240275881 ))

drivers.append(Driver( (26, 0) , (18, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.22419598394150786 ))

drivers.append(Driver( (5, 0) , (16, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 125 , 0.7161129467646774 ))

drivers.append(Driver( (29, 0) , (19, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 130 , 0.7976884446187282 ))

drivers.append(Driver( (0, 0) , (19, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.15109440884132375 ))

drivers.append(Driver( (24, 0) , (12, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 127 , 0.8819050652647825 ))

REQUESTS 9

reqs.append(Passenger( (2, 0) , (14, 0) , 14 , 45 , 23 , 1 , 3 , 83 , 83 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 20 , 30 , 22 , 1 , 3 , 53 , 53 ))

reqs.append(Passenger( (3, 0) , (16, 0) , 8 , 47 , 21 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 4 , 37 , 15 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (4, 0) , (20, 0) , 2 , 44 , 15 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (27, 0) , (20, 0) , 12 , 34 , 19 , 1 , 3 , 42 , 42 ))

reqs.append(Passenger( (2, 0) , (16, 0) , 9 , 49 , 22 , 1 , 3 , 113 , 113 ))

reqs.append(Passenger( (29, 0) , (15, 0) , 11 , 26 , 11 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (1, 0) , (14, 0) , 5 , 40 , 16 , 1 , 3 , 113 , 113 ))

FIRST

RTV3 Total Time 329.291227

0 (2, 4, 6, 8) 169.06072732552497 1.0

[('d', 16), (8, 16), (6, 17), (2, 18), (4, 19), (8, 29), (2, 31), (6, 31), (4, 35), ('d', 54)]

1 EMPTY1 150 1.0

[('d', 0), ('d', 25)]

2 (0,) 203.72261437070335 1.0

[('d', 14), (0, 14), (0, 26), ('d', 42)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

5 (3, 5, 7) 171.56060263947842 1.0

[('d', 11), (7, 11), (3, 12), (5, 13), (5, 20), (3, 23), (7, 25), ('d', 41)]

6 EMPTY6 144 1.0

[('d', 0), ('d', 24)]

7 (1,) 159.13332271573262 1.0

[('d', 20), (0, 20), (0, 26), ('d', 45)]

Utility of 0 : 172.217926804

Utility of 1 : 10.0

Utility of 2 : -8.17998608695

Utility of 3 : 8.0

Utility of 4 : 11.0

Utility of 5 : 56.260201359

Utility of 6 : 8.0

Utility of 7 : -39.4723797389

Utility of 0 : -16.0

Utility of 1 : 0.0

Utility of 2 : 36.0

Utility of 3 : 62.0

Utility of 4 : 73.0

Utility of 5 : 15.0

Utility of 6 : 66.0

Utility of 7 : 70.0

Utility of 8 : 74.0

1225.4772670514394

RTV3 Total Time 480.490939

0 EMPTY0 150 1.0

[('d', 0), ('d', 25)]

1 EMPTY1 150 1.0

[('d', 0), ('d', 25)]

2 (0, 4, 6, 8) 399 1.0

[('d', 15), (8, 16), (6, 17), (0, 17), (4, 19), (8, 29), (0, 29), (6, 31), (4, 35), ('d', 49)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 114 1.0

[('d', 0), ('d', 19)]

5 (3, 5, 7) 296 1.0

[('d', 11), (7, 11), (3, 12), (5, 13), (5, 20), (3, 23), (7, 25), ('d', 41)]

6 EMPTY6 144 1.0

[('d', 0), ('d', 24)]

7 EMPTY7 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 23.0

Utility of 1 : 10.0

Utility of 2 : 61.796935103

Utility of 3 : 8.0

Utility of 4 : 11.0

Utility of 5 : 56.260201359

Utility of 6 : 8.0

Utility of 7 : 1.0

Utility of 0 : 41.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 62.0

Utility of 4 : 73.0

Utility of 5 : 15.0

Utility of 6 : 66.0

Utility of 7 : 70.0

Utility of 8 : 74.0

1624.0

DRIVERS 8

drivers.append(Driver( (3, 0) , (17, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.927947161292242 ))

drivers.append(Driver( (25, 0) , (19, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.3167102403922666 ))

drivers.append(Driver( (2, 0) , (19, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 176 , 0.8215846745961132 ))

drivers.append(Driver( (28, 0) , (16, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.6094833643464276 ))

drivers.append(Driver( (4, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 142 , 0.3917833718239123 ))

drivers.append(Driver( (29, 0) , (14, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.4965050800084768 ))

drivers.append(Driver( (2, 0) , (14, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.16835423435724117 ))

drivers.append(Driver( (28, 0) , (13, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.0591020594724081 ))

REQUESTS 10

reqs.append(Passenger( (5, 0) , (20, 0) , 5 , 33 , 11 , 1 , 3 , 116 , 116 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 10 , 22 , 10 , 1 , 3 , 96 , 96 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 1 , 39 , 15 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (25, 0) , (13, 0) , 12 , 37 , 18 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (1, 0) , (17, 0) , 4 , 38 , 13 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (27, 0) , (18, 0) , 4 , 22 , 8 , 1 , 3 , 65 , 65 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 1 , 21 , 3 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (29, 0) , (18, 0) , 14 , 45 , 24 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 9 , 33 , 13 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 0 , 35 , 13 , 1 , 3 , 66 , 66 ))

FIRST

RTV3 Total Time 16.830681

0 (0, 2, 4, 8) 218.65294548340046 1.0

[('d', 9), (8, 12), (4, 13), (2, 14), (0, 17), (2, 24), (8, 28), (4, 29), (0, 32), ('d', 52)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 (6,) 215.3480888734254 1.0

[('d', 1), (0, 2), (0, 17), ('d', 37)]

3 (1, 5, 9) 183.6723289915002 1.0

[('d', 8), (9, 8), (5, 9), (1, 10), (9, 17), (5, 18), (1, 21), ('d', 36)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 102 1.0

[('d', 0), ('d', 17)]

7 EMPTY7 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 104.923477226

Utility of 1 : 1.0

Utility of 2 : 139.748628411

Utility of 3 : 25.6707708224

Utility of 4 : 10.0

Utility of 5 : 3.0

Utility of 6 : 11.0

Utility of 7 : 1.0

Utility of 0 : 110.0

Utility of 1 : 63.0

Utility of 2 : 56.0

Utility of 3 : 0.0

Utility of 4 : 62.0

Utility of 5 : 37.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 8 : 54.0

Utility of 9 : 34.0

1395.673363348326

RTV3 Total Time 22.868381

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 (0, 2, 4, 6) 432 1.0

[('d', 5), (6, 6), (4, 6), (2, 7), (0, 10), (2, 17), (6, 21), (4, 22), (0, 25), ('d', 45)]

3 (1, 5, 9) 269 1.0

[('d', 8), (9, 8), (5, 9), (1, 10), (9, 17), (5, 18), (1, 21), ('d', 36)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 102 1.0

[('d', 0), ('d', 17)]

7 EMPTY7 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 8.0

Utility of 1 : 1.0

Utility of 2 : 119.142890483

Utility of 3 : 25.6707708224

Utility of 4 : 10.0

Utility of 5 : 3.0

Utility of 6 : 11.0

Utility of 7 : 1.0

Utility of 0 : 70.0

Utility of 1 : 63.0

Utility of 2 : 49.0

Utility of 3 : 0.0

Utility of 4 : 55.0

Utility of 5 : 37.0

Utility of 6 : 55.0

Utility of 7 : 0.0

Utility of 8 : 0.0

Utility of 9 : 34.0

1726.0

DRIVERS 8

drivers.append(Driver( (3, 0) , (13, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 102 , 0.5710713115955623 ))

drivers.append(Driver( (25, 0) , (16, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 94 , 0.3884959546406749 ))

drivers.append(Driver( (0, 0) , (12, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.1249262003397128 ))

drivers.append(Driver( (26, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.8858949029025746 ))

drivers.append(Driver( (5, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.5034881662081082 ))

drivers.append(Driver( (29, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 162 , 0.008996397109541587 ))

drivers.append(Driver( (1, 0) , (14, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.7205097354795358 ))

drivers.append(Driver( (29, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.5251097492070285 ))

REQUESTS 11

reqs.append(Passenger( (2, 0) , (15, 0) , 9 , 22 , 9 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (28, 0) , (16, 0) , 4 , 17 , 4 , 1 , 3 , 102 , 102 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 4 , 18 , 4 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 1 , 37 , 12 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 8 , 53 , 21 , 1 , 3 , 146 , 146 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 6 , 25 , 8 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 5 , 17 , 6 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (29, 0) , (20, 0) , 0 , 28 , 9 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 18 , 29 , 19 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 6 , 26 , 12 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (0, 0) , (14, 0) , 4 , 24 , 7 , 1 , 3 , 122 , 122 ))

FIRST

RTV3 Total Time 3.119543

0 EMPTY0 102 1.0

[('d', 0), ('d', 17)]

1 EMPTY1 90 1.0

[('d', 0), ('d', 15)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

5 EMPTY5 150 1.0

[('d', 0), ('d', 25)]

6 (0, 4, 10) 234.48785819450208 1.0

[('d', 6), (10, 7), (4, 9), (0, 9), (10, 21), (0, 22), (4, 27), ('d', 46)]

7 (1, 3, 7, 9) 202.8776111617662 1.0

[('d', 4), (7, 4), (3, 5), (1, 5), (9, 7), (7, 13), (9, 15), (1, 17), (3, 18), ('d', 31)]

Utility of 0 : 0.0

Utility of 1 : 4.0

Utility of 2 : 3.0

Utility of 3 : 5.0

Utility of 4 : 3.0

Utility of 5 : 12.0

Utility of 6 : 55.8660249797

Utility of 7 : 65.6704133525

Utility of 0 : 48.0

Utility of 1 : 65.0

Utility of 2 : 0.0

Utility of 3 : 61.0

Utility of 4 : 80.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 30.0

Utility of 8 : 0.0

Utility of 9 : 30.0

Utility of 10 : 80.0

1517.3654693562682

RTV3 Total Time 3.315845

0 EMPTY0 102 1.0

[('d', 0), ('d', 17)]

1 EMPTY1 90 1.0

[('d', 0), ('d', 15)]

2 EMPTY2 120 1.0

[('d', 0), ('d', 20)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 138 1.0

[('d', 0), ('d', 23)]

5 EMPTY5 150 1.0

[('d', 0), ('d', 25)]

6 (0, 4, 10) 393 1.0

[('d', 6), (10, 7), (4, 9), (0, 9), (10, 21), (0, 22), (4, 27), ('d', 46)]

7 (1, 3, 7, 9) 310 1.0

[('d', 4), (7, 4), (3, 5), (1, 5), (9, 7), (7, 13), (9, 15), (1, 17), (3, 18), ('d', 31)]

Utility of 0 : 0.0

Utility of 1 : 4.0

Utility of 2 : 3.0

Utility of 3 : 5.0

Utility of 4 : 3.0

Utility of 5 : 12.0

Utility of 6 : 55.8660249797

Utility of 7 : 65.6704133525

Utility of 0 : 48.0

Utility of 1 : 65.0

Utility of 2 : 0.0

Utility of 3 : 61.0

Utility of 4 : 80.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 30.0

Utility of 8 : 0.0

Utility of 9 : 30.0

Utility of 10 : 80.0

1783.0

DRIVERS 8

drivers.append(Driver( (1, 0) , (19, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 163 , 0.7754850243405206 ))

drivers.append(Driver( (29, 0) , (14, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 164 , 0.5509572847150379 ))

drivers.append(Driver( (3, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.9416467564843644 ))

drivers.append(Driver( (27, 0) , (12, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.5565977858832921 ))

drivers.append(Driver( (5, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 131 , 0.43771160851612356 ))

drivers.append(Driver( (25, 0) , (18, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.7031756952538903 ))

drivers.append(Driver( (5, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.7460037382337714 ))

drivers.append(Driver( (28, 0) , (17, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.7825299330742015 ))

REQUESTS 12

reqs.append(Passenger( (3, 0) , (12, 0) , 16 , 30 , 18 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 8 , 17 , 9 , 1 , 3 , 37 , 37 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 6 , 21 , 9 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (27, 0) , (17, 0) , 0 , 25 , 7 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (3, 0) , (12, 0) , 17 , 48 , 28 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (25, 0) , (17, 0) , 6 , 40 , 19 , 1 , 3 , 61 , 61 ))

reqs.append(Passenger( (1, 0) , (13, 0) , 8 , 23 , 9 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 19 , 36 , 23 , 1 , 3 , 56 , 56 ))

reqs.append(Passenger( (2, 0) , (13, 0) , 5 , 24 , 9 , 1 , 3 , 80 , 80 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 6 , 19 , 10 , 1 , 3 , 32 , 32 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 2 , 46 , 16 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (28, 0) , (20, 0) , 2 , 20 , 7 , 1 , 3 , 52 , 52 ))

FIRST

RTV3 Total Time 73.242811

0 (2, 6, 8, 10) 223.18818064304673 1.0

[('d', 6), (10, 7), (6, 8), (8, 9), (2, 10), (2, 19), (8, 20), (6, 20), (10, 22), ('d', 40)]

1 (1, 3, 9, 11) 223.80235695906612 1.0

[('d', 5), (11, 6), (3, 7), (9, 9), (1, 9), (11, 14), (9, 14), (1, 15), (3, 17), ('d', 36)]

2 (0, 4) 153.25179191640723 1.0

[('d', 18), (0, 18), (4, 18), (0, 27), (4, 27), ('d', 44)]

3 (5, 7) 173.59475277405284 1.0

[('d', 17), (5, 19), (7, 20), (5, 27), (7, 28), ('d', 41)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 120 1.0

[('d', 0), ('d', 20)]

7 EMPTY7 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 83.2814840892

Utility of 1 : 28.0957284715

Utility of 2 : 29.3317405187

Utility of 3 : 7.7354538683

Utility of 4 : 5.0

Utility of 5 : 14.0

Utility of 6 : 8.0

Utility of 7 : 9.0

Utility of 0 : 46.0

Utility of 1 : 19.0

Utility of 2 : 34.0

Utility of 3 : 38.0

Utility of 4 : 34.0

Utility of 5 : 37.0

Utility of 6 : 42.0

Utility of 7 : 29.0

Utility of 8 : 47.0

Utility of 9 : 16.0

Utility of 10 : 45.0

Utility of 11 : 27.0

1259.837082292573

RTV3 Total Time 76.574411

0 (2, 6, 8, 10) 362 1.0

[('d', 6), (10, 7), (6, 8), (8, 9), (2, 10), (2, 19), (8, 20), (6, 20), (10, 22), ('d', 40)]

1 (1, 3, 9, 11) 280 1.0

[('d', 5), (11, 6), (3, 7), (9, 9), (1, 9), (11, 14), (9, 14), (1, 15), (3, 17), ('d', 36)]

2 (0, 4) 238 1.0

[('d', 18), (0, 18), (4, 18), (0, 27), (4, 27), ('d', 44)]

3 (5, 7) 212 1.0

[('d', 17), (5, 19), (7, 20), (5, 27), (7, 28), ('d', 41)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 120 1.0

[('d', 0), ('d', 20)]

7 EMPTY7 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 83.2814840892

Utility of 1 : 28.0957284715

Utility of 2 : 29.3317405187

Utility of 3 : 7.7354538683

Utility of 4 : 5.0

Utility of 5 : 14.0

Utility of 6 : 8.0

Utility of 7 : 9.0

Utility of 0 : 46.0

Utility of 1 : 19.0

Utility of 2 : 34.0

Utility of 3 : 38.0

Utility of 4 : 34.0

Utility of 5 : 37.0

Utility of 6 : 42.0

Utility of 7 : 29.0

Utility of 8 : 47.0

Utility of 9 : 16.0

Utility of 10 : 45.0

Utility of 11 : 27.0

1578.0

DRIVERS 8

drivers.append(Driver( (2, 0) , (18, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.7076241671633516 ))

drivers.append(Driver( (26, 0) , (12, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.907092829671007 ))

drivers.append(Driver( (5, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.060583684754761724 ))

drivers.append(Driver( (29, 0) , (16, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 120 , 0.6069576926626473 ))

drivers.append(Driver( (4, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.22537889661851218 ))

drivers.append(Driver( (25, 0) , (17, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 109 , 0.49332138489353194 ))

drivers.append(Driver( (2, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 151 , 0.7024269503624586 ))

drivers.append(Driver( (29, 0) , (16, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.19406884959663606 ))

REQUESTS 13

reqs.append(Passenger( (1, 0) , (20, 0) , 2 , 21 , 2 , 1 , 3 , 126 , 126 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 16 , 30 , 17 , 1 , 3 , 76 , 76 ))

reqs.append(Passenger( (1, 0) , (12, 0) , 7 , 21 , 8 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 9 , 46 , 22 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 5 , 25 , 5 , 1 , 3 , 156 , 156 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 4 , 24 , 9 , 1 , 3 , 60 , 60 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 2 , 34 , 12 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 0 , 25 , 7 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (4, 0) , (18, 0) , 12 , 50 , 24 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 11 , 55 , 25 , 1 , 3 , 128 , 128 ))

reqs.append(Passenger( (4, 0) , (12, 0) , 18 , 33 , 21 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 6 , 19 , 9 , 1 , 3 , 59 , 59 ))

reqs.append(Passenger( (0, 0) , (20, 0) , 6 , 51 , 18 , 1 , 3 , 127 , 127 ))

FIRST

RTV3 Total Time 15.809858

0 (8, 10) 202.5003482747245 1.0

[('d', 19), (8, 21), (10, 21), (10, 29), (8, 35), ('d', 52)]

1 (3, 5, 7, 11) 128.63038348888966 1.0

[('d', 7), (11, 7), (7, 9), (5, 9), (3, 9), (11, 14), (7, 19), (5, 19), (3, 19), ('d', 33)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (1, 9) 210.34420380249438 1.0

[('d', 16), (9, 17), (1, 17), (1, 28), (9, 33), ('d', 46)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 (2, 4, 6) 233.7049021260584 1.0

[('d', 4), (4, 6), (2, 7), (6, 10), (2, 18), (6, 21), (4, 25), ('d', 45)]

7 EMPTY7 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 10.3767792238

Utility of 1 : 122.949038407

Utility of 2 : 7.0

Utility of 3 : -6.1998653438

Utility of 4 : 12.0

Utility of 5 : 7.0

Utility of 6 : 41.4853900725

Utility of 7 : 21.0

Utility of 0 : 0.0

Utility of 1 : 43.0

Utility of 2 : 50.0

Utility of 3 : 43.0

Utility of 4 : 98.0

Utility of 5 : 30.0

Utility of 6 : 52.0

Utility of 7 : 53.0

Utility of 8 : 75.0

Utility of 9 : 72.0

Utility of 10 : 40.0

Utility of 11 : 36.0

Utility of 12 : 0.0

1520.179837692167

RTV3 Total Time 15.831673

0 (8, 10) 286 1.0

[('d', 19), (8, 21), (10, 21), (10, 29), (8, 35), ('d', 52)]

1 (3, 5, 7, 11) 291 1.0

[('d', 7), (11, 7), (7, 9), (5, 9), (3, 9), (11, 14), (7, 19), (5, 19), (3, 19), ('d', 33)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (1, 9) 285 1.0

[('d', 16), (9, 17), (1, 17), (1, 28), (9, 33), ('d', 46)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 102 1.0

[('d', 0), ('d', 17)]

6 (2, 4, 6) 377 1.0

[('d', 4), (4, 6), (2, 7), (6, 10), (2, 18), (6, 21), (4, 25), ('d', 45)]

7 EMPTY7 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 10.3767792238

Utility of 1 : 122.949038407

Utility of 2 : 7.0

Utility of 3 : -6.1998653438

Utility of 4 : 12.0

Utility of 5 : 7.0

Utility of 6 : 41.4853900725

Utility of 7 : 21.0

Utility of 0 : 0.0

Utility of 1 : 43.0

Utility of 2 : 50.0

Utility of 3 : 43.0

Utility of 4 : 98.0

Utility of 5 : 30.0

Utility of 6 : 52.0

Utility of 7 : 53.0

Utility of 8 : 75.0

Utility of 9 : 72.0

Utility of 10 : 40.0

Utility of 11 : 36.0

Utility of 12 : 0.0

1984.0

DRIVERS 8

drivers.append(Driver( (0, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 157 , 0.29943977202915706 ))

drivers.append(Driver( (24, 0) , (17, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 104 , 0.8135127356204579 ))

drivers.append(Driver( (1, 0) , (18, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 157 , 0.155693133550436 ))

drivers.append(Driver( (29, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.3242908576482796 ))

drivers.append(Driver( (3, 0) , (13, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.2161792045701063 ))

drivers.append(Driver( (25, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.23505535797088706 ))

drivers.append(Driver( (2, 0) , (17, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 171 , 0.6558298102364589 ))

drivers.append(Driver( (24, 0) , (18, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 140 , 0.8591074971539082 ))

REQUESTS 14

reqs.append(Passenger( (1, 0) , (20, 0) , 3 , 26 , 5 , 1 , 3 , 119 , 119 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 17 , 38 , 24 , 1 , 3 , 41 , 41 ))

reqs.append(Passenger( (2, 0) , (20, 0) , 7 , 35 , 12 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (26, 0) , (12, 0) , 2 , 33 , 10 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (0, 0) , (16, 0) , 3 , 48 , 17 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 9 , 35 , 15 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (5, 0) , (19, 0) , 12 , 44 , 21 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 8 , 23 , 10 , 1 , 3 , 77 , 77 ))

reqs.append(Passenger( (4, 0) , (20, 0) , 4 , 49 , 18 , 1 , 3 , 123 , 123 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 0 , 13 , 1 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (4, 0) , (18, 0) , 1 , 37 , 12 , 1 , 3 , 114 , 114 ))

reqs.append(Passenger( (29, 0) , (17, 0) , 15 , 47 , 25 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (4, 0) , (13, 0) , 2 , 21 , 7 , 1 , 3 , 75 , 75 ))

reqs.append(Passenger( (26, 0) , (19, 0) , 1 , 12 , 3 , 1 , 3 , 54 , 54 ))

FIRST

RTV3 Total Time 195.781537

0 (4, 12) 240.57002849635538 1.0

[('d', 3), (4, 3), (12, 7), (12, 16), (4, 19), ('d', 34)]

1 (13,) 135.15407972452488 1.0

[('d', 2), (0, 4), (0, 11), ('d', 25)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 108 1.0

[('d', 0), ('d', 18)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

6 (0, 2, 8, 10) 287.8934406668655 1.0

[('d', 6), (0, 7), (2, 8), (10, 10), (8, 10), (10, 24), (0, 26), (8, 26), (2, 26), ('d', 46)]

7 (3, 7) 216.51192779314744 1.0

[('d', 7), (3, 9), (7, 10), (7, 21), (3, 23), ('d', 44)]

Utility of 0 : 1.23781469524

Utility of 1 : 42.9107353552

Utility of 2 : 19.0

Utility of 3 : 9.0

Utility of 4 : 5.0

Utility of 5 : 0.0

Utility of 6 : 122.404772881

Utility of 7 : -1.3710352903

Utility of 0 : 22.0

Utility of 1 : 0.0

Utility of 2 : 54.0

Utility of 3 : 58.0

Utility of 4 : 63.0

Utility of 5 : 0.0

Utility of 6 : 0.0

Utility of 7 : 44.0

Utility of 8 : 67.0

Utility of 9 : 0.0

Utility of 10 : 70.0

Utility of 11 : 0.0

Utility of 12 : 48.0

Utility of 13 : 0.0

1760.129476680893

RTV3 Total Time 230.173583

0 (4, 12) 278 1.0

[('d', 3), (4, 3), (12, 7), (12, 16), (4, 19), ('d', 34)]

1 (3, 7) 263 1.0

[('d', 7), (3, 9), (7, 10), (7, 21), (3, 23), ('d', 37)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 132 1.0

[('d', 0), ('d', 22)]

4 EMPTY4 108 1.0

[('d', 0), ('d', 18)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

6 (2, 6, 8, 10) 438 1.0

[('d', 12), (2, 12), (10, 14), (8, 14), (6, 15), (10, 28), (6, 29), (8, 30), (2, 30), ('d', 50)]

7 EMPTY7 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 1.23781469524

Utility of 1 : -0.0217009667133

Utility of 2 : 19.0

Utility of 3 : 9.0

Utility of 4 : 5.0

Utility of 5 : 0.0

Utility of 6 : 91.6783035079

Utility of 7 : 14.0

Utility of 0 : 0.0

Utility of 1 : 0.0

Utility of 2 : 58.0

Utility of 3 : 58.0

Utility of 4 : 63.0

Utility of 5 : 0.0

Utility of 6 : 46.0

Utility of 7 : 44.0

Utility of 8 : 71.0

Utility of 9 : 0.0

Utility of 10 : 70.0

Utility of 11 : 0.0

Utility of 12 : 48.0

Utility of 13 : 0.0

2064.0

DRIVERS 8

drivers.append(Driver( (2, 0) , (20, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 178 , 0.2724224399264281 ))

drivers.append(Driver( (25, 0) , (20, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 85 , 0.19139222314480475 ))

drivers.append(Driver( (2, 0) , (17, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 154 , 0.1478380171648015 ))

drivers.append(Driver( (24, 0) , (14, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.7725253111081611 ))

drivers.append(Driver( (0, 0) , (15, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.2743984335379118 ))

drivers.append(Driver( (29, 0) , (16, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.33344395278025396 ))

drivers.append(Driver( (2, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.9076655252168111 ))

drivers.append(Driver( (28, 0) , (14, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.9135431767539853 ))

REQUESTS 5

reqs.append(Passenger( (0, 0) , (14, 0) , 2 , 23 , 5 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 1 , 17 , 5 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 1 , 16 , 1 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (24, 0) , (18, 0) , 19 , 32 , 22 , 1 , 3 , 40 , 40 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 0 , 28 , 9 , 1 , 3 , 89 , 89 ))

FIRST

RTV3 Total Time 0.310786

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 EMPTY1 84 1.0

[('d', 0), ('d', 14)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 144 1.0

[('d', 0), ('d', 24)]

6 (0, 4) 169.71079907484992 1.0

[('d', 3), (0, 5), (4, 7), (4, 17), (0, 19), ('d', 36)]

7 (1,) 134.45827292984058 1.0

[('d', 2), (0, 4), (0, 12), ('d', 26)]

Utility of 0 : 16.0

Utility of 1 : 1.0

Utility of 2 : 10.0

Utility of 3 : 13.0

Utility of 4 : 12.0

Utility of 5 : 14.0

Utility of 6 : 25.4738698747

Utility of 7 : 66.4407744986

Utility of 0 : 39.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 57.0

1216.1690720046904

RTV3 Total Time 0.302708

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 EMPTY1 84 1.0

[('d', 0), ('d', 14)]

2 EMPTY2 144 1.0

[('d', 0), ('d', 24)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 EMPTY5 144 1.0

[('d', 0), ('d', 24)]

6 (0, 4) 275 1.0

[('d', 3), (0, 5), (4, 7), (4, 17), (0, 19), ('d', 36)]

7 (1,) 171 1.0

[('d', 2), (0, 4), (0, 12), ('d', 26)]

Utility of 0 : 16.0

Utility of 1 : 1.0

Utility of 2 : 10.0

Utility of 3 : 13.0

Utility of 4 : 12.0

Utility of 5 : 14.0

Utility of 6 : 25.4738698747

Utility of 7 : 66.4407744986

Utility of 0 : 39.0

Utility of 1 : 0.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 57.0

1358.0

DRIVERS 8

drivers.append(Driver( (5, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 97 , 0.3585855757267741 ))

drivers.append(Driver( (28, 0) , (18, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 115 , 0.4749176304586663 ))

drivers.append(Driver( (3, 0) , (14, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 130 , 0.4119394454300026 ))

drivers.append(Driver( (28, 0) , (20, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.11015142307342418 ))

drivers.append(Driver( (3, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.43031558685586746 ))

drivers.append(Driver( (29, 0) , (17, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 123 , 0.8709569413064854 ))

drivers.append(Driver( (4, 0) , (19, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 136 , 0.6732928569125429 ))

drivers.append(Driver( (29, 0) , (15, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.15382121871389076 ))

REQUESTS 6

reqs.append(Passenger( (4, 0) , (13, 0) , 18 , 46 , 27 , 1 , 3 , 63 , 63 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 9 , 46 , 22 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (1, 0) , (20, 0) , 4 , 31 , 8 , 1 , 3 , 121 , 121 ))

reqs.append(Passenger( (27, 0) , (20, 0) , 19 , 40 , 26 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (3, 0) , (17, 0) , 11 , 32 , 14 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 17 , 34 , 21 , 1 , 3 , 62 , 62 ))

FIRST

RTV3 Total Time 0.590786

0 EMPTY0 96 1.0

[('d', 0), ('d', 16)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 (1, 3) 177.87196139980335 1.0

[('d', 18), (3, 20), (1, 22), (3, 27), (1, 33), ('d', 48)]

6 (2, 4) 220.69924289076874 1.0

[('d', 6), (2, 9), (4, 11), (4, 25), (2, 28), ('d', 41)]

7 EMPTY7 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 1.0

Utility of 1 : 1.0

Utility of 2 : 4.0

Utility of 3 : 9.0

Utility of 4 : 2.0

Utility of 5 : -0.0977030476423

Utility of 6 : 15.6075856816

Utility of 7 : 2.0

Utility of 0 : 0.0

Utility of 1 : 58.0

Utility of 2 : 63.0

Utility of 3 : 28.0

Utility of 4 : 79.0

Utility of 5 : 0.0

1219.571204290572

RTV3 Total Time 0.595886

0 EMPTY0 96 1.0

[('d', 0), ('d', 16)]

1 EMPTY1 114 1.0

[('d', 0), ('d', 19)]

2 EMPTY2 126 1.0

[('d', 0), ('d', 21)]

3 EMPTY3 114 1.0

[('d', 0), ('d', 19)]

4 EMPTY4 120 1.0

[('d', 0), ('d', 20)]

5 (1, 3) 258 1.0

[('d', 18), (3, 20), (1, 22), (3, 27), (1, 33), ('d', 48)]

6 (2, 4) 319 1.0

[('d', 6), (2, 9), (4, 11), (4, 25), (2, 28), ('d', 41)]

7 EMPTY7 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 1.0

Utility of 1 : 1.0

Utility of 2 : 4.0

Utility of 3 : 9.0

Utility of 4 : 2.0

Utility of 5 : -0.0977030476423

Utility of 6 : 15.6075856816

Utility of 7 : 2.0

Utility of 0 : 0.0

Utility of 1 : 58.0

Utility of 2 : 63.0

Utility of 3 : 28.0

Utility of 4 : 79.0

Utility of 5 : 0.0

1398.0

DRIVERS 8

drivers.append(Driver( (0, 0) , (12, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 154 , 0.1210204582928337 ))

drivers.append(Driver( (28, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 114 , 0.8130531763896361 ))

drivers.append(Driver( (1, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 166 , 0.2907080450817279 ))

drivers.append(Driver( (27, 0) , (12, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.2843091395127493 ))

drivers.append(Driver( (5, 0) , (18, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 145 , 0.25725181317863755 ))

drivers.append(Driver( (26, 0) , (12, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.14828723530478094 ))

drivers.append(Driver( (3, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.5285294674281033 ))

drivers.append(Driver( (24, 0) , (14, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 96 , 0.7031458172875596 ))

REQUESTS 7

reqs.append(Passenger( (5, 0) , (15, 0) , 2 , 30 , 11 , 1 , 3 , 87 , 87 ))

reqs.append(Passenger( (29, 0) , (17, 0) , 6 , 33 , 13 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (5, 0) , (16, 0) , 11 , 26 , 13 , 1 , 3 , 95 , 95 ))

reqs.append(Passenger( (25, 0) , (14, 0) , 11 , 50 , 25 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (3, 0) , (20, 0) , 7 , 37 , 13 , 1 , 3 , 106 , 106 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 7 , 31 , 11 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 6 , 31 , 12 , 1 , 3 , 90 , 90 ))

FIRST

RTV3 Total Time 0.807828

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 (1,) 170.27322447633583 1.0

[('d', 5), (0, 6), (0, 18), ('d', 35)]

2 (0, 2, 6) 259.70750820086107 1.0

[('d', 5), (6, 6), (0, 11), (2, 11), (6, 18), (0, 21), (2, 22), ('d', 38)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

6 EMPTY6 138 1.0

[('d', 0), ('d', 23)]

7 EMPTY7 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 16.0

Utility of 1 : -33.5995538861

Utility of 2 : -0.661494364784

Utility of 3 : 9.0

Utility of 4 : 19.0

Utility of 5 : 14.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 0 : -14.0

Utility of 1 : 0.0

Utility of 2 : 60.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 48.0

1465.980732677197

RTV3 Total Time 0.802681

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 108 1.0

[('d', 0), ('d', 18)]

2 (0, 2, 6) 310 1.0

[('d', 5), (6, 6), (0, 11), (2, 11), (6, 18), (0, 21), (2, 22), ('d', 38)]

3 EMPTY3 126 1.0

[('d', 0), ('d', 21)]

4 EMPTY4 126 1.0

[('d', 0), ('d', 21)]

5 EMPTY5 132 1.0

[('d', 0), ('d', 22)]

6 EMPTY6 138 1.0

[('d', 0), ('d', 23)]

7 EMPTY7 96 1.0

[('d', 0), ('d', 16)]

Utility of 0 : 16.0

Utility of 1 : 6.0

Utility of 2 : 10.9668274385

Utility of 3 : 9.0

Utility of 4 : 19.0

Utility of 5 : 14.0

Utility of 6 : 0.0

Utility of 7 : 0.0

Utility of 0 : 57.0

Utility of 1 : 0.0

Utility of 2 : 60.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 48.0

1561.0

DRIVERS 8

drivers.append(Driver( (2, 0) , (19, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.12481108780158756 ))

drivers.append(Driver( (27, 0) , (18, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 102 , 0.4094836542936455 ))

drivers.append(Driver( (1, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 147 , 0.6135635178196969 ))

drivers.append(Driver( (26, 0) , (17, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 92 , 0.1761060133932506 ))

drivers.append(Driver( (5, 0) , (18, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 162 , 0.6984083549146737 ))

drivers.append(Driver( (25, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 134 , 0.8746309068707329 ))

drivers.append(Driver( (2, 0) , (16, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 129 , 0.42709134237791624 ))

drivers.append(Driver( (24, 0) , (15, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 122 , 0.44983014622012096 ))

REQUESTS 8

reqs.append(Passenger( (2, 0) , (15, 0) , 14 , 44 , 22 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (25, 0) , (16, 0) , 6 , 32 , 14 , 1 , 3 , 62 , 62 ))

reqs.append(Passenger( (2, 0) , (12, 0) , 0 , 13 , 1 , 1 , 3 , 64 , 64 ))

reqs.append(Passenger( (29, 0) , (15, 0) , 11 , 53 , 25 , 1 , 3 , 107 , 107 ))

reqs.append(Passenger( (5, 0) , (16, 0) , 7 , 34 , 15 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 0 , 22 , 4 , 1 , 3 , 102 , 102 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 8 , 38 , 13 , 1 , 3 , 145 , 145 ))

reqs.append(Passenger( (25, 0) , (19, 0) , 11 , 20 , 12 , 1 , 3 , 52 , 52 ))

FIRST

RTV3 Total Time 0.590537

0 (2,) 176.75642301474602 1.0

[('d', 0), (0, 0), (0, 10), ('d', 25)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 (6,) 243.00641043186667 1.0

[('d', 7), (0, 8), (0, 27), ('d', 45)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 (4,) 202.5716240288397 1.0

[('d', 7), (0, 7), (0, 18), ('d', 38)]

5 (1, 5, 7) 203.17261301367546 1.0

[('d', 5), (5, 8), (1, 11), (7, 11), (7, 17), (1, 20), (5, 22), ('d', 41)]

6 EMPTY6 120 1.0

[('d', 0), ('d', 20)]

7 EMPTY7 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 4.11876589745

Utility of 1 : 0.0

Utility of 2 : -126.654501623

Utility of 3 : 2.0

Utility of 4 : -198.61800518

Utility of 5 : 18.8303397314

Utility of 6 : 9.0

Utility of 7 : 14.0

Utility of 0 : -147.0

Utility of 1 : 32.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 56.0

Utility of 6 : 0.0

Utility of 7 : 33.0

1437.5070704891277

RTV3 Total Time 0.595137

0 (2,) 181 1.0

[('d', 0), (0, 0), (0, 10), ('d', 25)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 EMPTY2 138 1.0

[('d', 0), ('d', 23)]

3 EMPTY3 90 1.0

[('d', 0), ('d', 15)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 (1, 5, 7) 316 1.0

[('d', 5), (5, 8), (1, 11), (7, 11), (7, 17), (1, 20), (5, 22), ('d', 41)]

6 EMPTY6 120 1.0

[('d', 0), ('d', 20)]

7 EMPTY7 108 1.0

[('d', 0), ('d', 18)]

Utility of 0 : 4.11876589745

Utility of 1 : 0.0

Utility of 2 : 9.0

Utility of 3 : 2.0

Utility of 4 : 18.0

Utility of 5 : 18.8303397314

Utility of 6 : 9.0

Utility of 7 : 14.0

Utility of 0 : 33.0

Utility of 1 : 32.0

Utility of 2 : 0.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 56.0

Utility of 6 : 0.0

Utility of 7 : 33.0

1614.0

DRIVERS 8

drivers.append(Driver( (1, 0) , (13, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.9168975533830281 ))

drivers.append(Driver( (28, 0) , (15, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 113 , 0.4986655115330576 ))

drivers.append(Driver( (4, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 179 , 0.15841361006773835 ))

drivers.append(Driver( (24, 0) , (18, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 111 , 0.35670589080770254 ))

drivers.append(Driver( (1, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 144 , 0.9296154922586134 ))

drivers.append(Driver( (26, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 92 , 0.8209165150282056 ))

drivers.append(Driver( (4, 0) , (16, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.6462034215302779 ))

drivers.append(Driver( (25, 0) , (13, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 118 , 0.3180840230742109 ))

REQUESTS 9

reqs.append(Passenger( (3, 0) , (18, 0) , 4 , 37 , 13 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (29, 0) , (18, 0) , 15 , 30 , 17 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (0, 0) , (19, 0) , 8 , 35 , 12 , 1 , 3 , 132 , 132 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 3 , 40 , 13 , 1 , 3 , 125 , 125 ))

reqs.append(Passenger( (5, 0) , (20, 0) , 10 , 28 , 11 , 1 , 3 , 124 , 124 ))

reqs.append(Passenger( (28, 0) , (14, 0) , 4 , 31 , 10 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (1, 0) , (13, 0) , 8 , 45 , 20 , 1 , 3 , 78 , 78 ))

reqs.append(Passenger( (25, 0) , (17, 0) , 14 , 45 , 25 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (2, 0) , (13, 0) , 4 , 42 , 17 , 1 , 3 , 75 , 75 ))

FIRST

RTV3 Total Time 54.459130

0 (6, 8) 191.9806055158256 1.0

[('d', 16), (6, 16), (8, 17), (8, 28), (6, 28), ('d', 46)]

1 EMPTY1 108 1.0

[('d', 0), ('d', 18)]

2 EMPTY2 156 1.0

[('d', 0), ('d', 26)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 (0, 2, 4) 178.4699748114845 1.0

[('d', 7), (2, 8), (0, 11), (4, 13), (0, 26), (2, 27), (4, 28), ('d', 46)]

5 (1, 3, 5, 7) 169.02445563775106 1.0

[('d', 12), (1, 15), (3, 16), (5, 16), (7, 19), (1, 26), (7, 27), (5, 30), (3, 32), ('d', 46)]

6 EMPTY6 120 1.0

[('d', 0), ('d', 20)]

7 EMPTY7 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 12.3518042706

Utility of 1 : 5.0

Utility of 2 : 23.0

Utility of 3 : 9.0

Utility of 4 : 113.09310125

Utility of 5 : 73.0199636068

Utility of 6 : 19.0

Utility of 7 : 4.0

Utility of 0 : 78.0

Utility of 1 : 59.0

Utility of 2 : 71.0

Utility of 3 : 74.0

Utility of 4 : 77.0

Utility of 5 : 69.0

Utility of 6 : 38.0

Utility of 7 : 38.0

Utility of 8 : 42.0

1139.4750359650611

RTV3 Total Time 69.437143

0 EMPTY0 132 1.0

[('d', 0), ('d', 22)]

1 EMPTY1 108 1.0

[('d', 0), ('d', 18)]

2 EMPTY2 156 1.0

[('d', 0), ('d', 26)]

3 EMPTY3 102 1.0

[('d', 0), ('d', 17)]

4 (0, 2, 4, 8) 436 1.0

[('d', 7), (2, 8), (8, 10), (0, 11), (4, 13), (8, 21), (0, 26), (2, 27), (4, 28), ('d', 46)]

5 (1, 3, 5, 7) 380 1.0

[('d', 12), (1, 15), (3, 16), (5, 16), (7, 19), (1, 26), (7, 27), (5, 30), (3, 32), ('d', 46)]

6 EMPTY6 120 1.0

[('d', 0), ('d', 20)]

7 EMPTY7 114 1.0

[('d', 0), ('d', 19)]

Utility of 0 : 3.0

Utility of 1 : 5.0

Utility of 2 : 23.0

Utility of 3 : 9.0

Utility of 4 : 145.629643479

Utility of 5 : 73.0199636068

Utility of 6 : 19.0

Utility of 7 : 4.0

Utility of 0 : 78.0

Utility of 1 : 59.0

Utility of 2 : 71.0

Utility of 3 : 74.0

Utility of 4 : 77.0

Utility of 5 : 69.0

Utility of 6 : 0.0

Utility of 7 : 38.0

Utility of 8 : 35.0

1626.0

DRIVERS 8

drivers.append(Driver( (4, 0) , (16, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.8605235815675757 ))

drivers.append(Driver( (24, 0) , (17, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.7109529029660774 ))

drivers.append(Driver( (4, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.10276377490014843 ))

drivers.append(Driver( (25, 0) , (20, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 84 , 0.6687536830443898 ))

drivers.append(Driver( (5, 0) , (15, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 133 , 0.7218894362239986 ))

drivers.append(Driver( (28, 0) , (15, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 128 , 0.43644353769543476 ))

drivers.append(Driver( (5, 0) , (18, 12) , 0 , 60 , 0 , 4 , 1 , 6 , 119 , 0.6489092755100839 ))

drivers.append(Driver( (25, 0) , (14, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 121 , 0.8228134217097561 ))

REQUESTS 10

reqs.append(Passenger( (0, 0) , (17, 0) , 7 , 29 , 9 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 14 , 39 , 20 , 1 , 3 , 101 , 101 ))

reqs.append(Passenger( (1, 0) , (18, 0) , 3 , 35 , 10 , 1 , 3 , 128 , 128 ))

reqs.append(Passenger( (25, 0) , (12, 0) , 5 , 27 , 9 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (1, 0) , (19, 0) , 3 , 50 , 17 , 1 , 3 , 112 , 112 ))

reqs.append(Passenger( (24, 0) , (16, 0) , 3 , 13 , 4 , 1 , 3 , 51 , 51 ))

reqs.append(Passenger( (0, 0) , (15, 0) , 1 , 29 , 7 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (26, 0) , (17, 0) , 7 , 40 , 19 , 1 , 3 , 66 , 66 ))

reqs.append(Passenger( (5, 0) , (13, 0) , 2 , 34 , 14 , 1 , 3 , 57 , 57 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 5 , 26 , 9 , 1 , 3 , 111 , 111 ))

FIRST

RTV3 Total Time 31.250950

0 (0, 2, 4, 6) 226.07706223205182 1.0

[('d', 5), (6, 9), (0, 9), (2, 10), (4, 10), (6, 24), (0, 26), (2, 27), (4, 28), ('d', 46)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 EMPTY3 78 1.0

[('d', 0), ('d', 13)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 (8,) 142.5859939081672 1.0

[('d', 2), (0, 2), (0, 10), ('d', 23)]

7 (3, 7, 9) 169.64110621327802 1.0

[('d', 7), (9, 8), (7, 8), (3, 9), (7, 17), (9, 21), (3, 22), ('d', 36)]

Utility of 0 : 122.178225534

Utility of 1 : 0.0

Utility of 2 : 18.0

Utility of 3 : 6.0

Utility of 4 : 1.0

Utility of 5 : 2.0

Utility of 6 : 101.963486112

Utility of 7 : 58.4851327262

Utility of 0 : 84.0

Utility of 1 : 0.0

Utility of 2 : 77.0

Utility of 3 : 45.0

Utility of 4 : 51.0

Utility of 5 : 0.0

Utility of 6 : 70.0

Utility of 7 : 28.0

Utility of 8 : 0.0

Utility of 9 : 71.0

1272.304162353497

RTV3 Total Time 41.273319

0 (0, 2, 4, 6) 461 1.0

[('d', 5), (6, 9), (0, 9), (2, 10), (4, 10), (6, 24), (0, 26), (2, 27), (4, 28), ('d', 46)]

1 EMPTY1 132 1.0

[('d', 0), ('d', 22)]

2 (8,) 169 1.0

[('d', 1), (0, 2), (0, 10), ('d', 23)]

3 EMPTY3 78 1.0

[('d', 0), ('d', 13)]

4 EMPTY4 132 1.0

[('d', 0), ('d', 22)]

5 EMPTY5 126 1.0

[('d', 0), ('d', 21)]

6 EMPTY6 108 1.0

[('d', 0), ('d', 18)]

7 (3, 7, 9) 298 1.0

[('d', 7), (9, 8), (7, 8), (3, 9), (7, 17), (9, 21), (3, 22), ('d', 36)]

Utility of 0 : 122.178225534

Utility of 1 : 0.0

Utility of 2 : 16.5726055079

Utility of 3 : 6.0

Utility of 4 : 1.0

Utility of 5 : 2.0

Utility of 6 : 11.0

Utility of 7 : 58.4851327262

Utility of 0 : 84.0

Utility of 1 : 0.0

Utility of 2 : 77.0

Utility of 3 : 45.0

Utility of 4 : 51.0

Utility of 5 : 0.0

Utility of 6 : 70.0

Utility of 7 : 28.0

Utility of 8 : 0.0

Utility of 9 : 71.0

1656.0

DRIVERS 8

drivers.append(Driver( (2, 0) , (19, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 180 , 0.05422867636012885 ))

drivers.append(Driver( (24, 0) , (13, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 139 , 0.14948551781759478 ))

drivers.append(Driver( (4, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 148 , 0.3997586800570624 ))

drivers.append(Driver( (27, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.38633418686886223 ))

drivers.append(Driver( (3, 0) , (19, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 132 , 0.8294602610902355 ))

drivers.append(Driver( (26, 0) , (17, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 101 , 0.283592574794705 ))

drivers.append(Driver( (4, 0) , (16, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 116 , 0.5192742240742513 ))

drivers.append(Driver( (25, 0) , (20, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 136 , 0.8957728527071699 ))

REQUESTS 11

reqs.append(Passenger( (1, 0) , (13, 0) , 11 , 40 , 19 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (24, 0) , (15, 0) , 17 , 40 , 24 , 1 , 3 , 55 , 55 ))

reqs.append(Passenger( (5, 0) , (19, 0) , 7 , 46 , 19 , 1 , 3 , 86 , 86 ))

reqs.append(Passenger( (28, 0) , (17, 0) , 7 , 32 , 14 , 1 , 3 , 73 , 73 ))

reqs.append(Passenger( (4, 0) , (17, 0) , 9 , 26 , 11 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 8 , 25 , 8 , 1 , 3 , 151 , 151 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 14 , 27 , 14 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (27, 0) , (14, 0) , 8 , 24 , 9 , 1 , 3 , 82 , 82 ))

reqs.append(Passenger( (1, 0) , (19, 0) , 7 , 41 , 15 , 1 , 3 , 110 , 110 ))

reqs.append(Passenger( (28, 0) , (12, 0) , 6 , 45 , 17 , 1 , 3 , 103 , 103 ))

reqs.append(Passenger( (5, 0) , (15, 0) , 2 , 22 , 7 , 1 , 3 , 62 , 62 ))

FIRST

RTV3 Total Time 5.614227

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 144 1.0

[('d', 0), ('d', 24)]

4 (0, 2, 6, 8) 221.49550412668958 1.0

[('d', 11), (6, 14), (8, 15), (0, 15), (2, 19), (6, 26), (0, 27), (2, 33), (8, 33), ('d', 47)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

6 EMPTY6 114 1.0

[('d', 0), ('d', 19)]

7 (5,) 223.42271472928297 1.0

[('d', 4), (0, 8), (0, 25), ('d', 47)]

Utility of 0 : 18.0

Utility of 1 : 13.0

Utility of 2 : 16.0

Utility of 3 : 8.0

Utility of 4 : 79.1866548289

Utility of 5 : 5.0

Utility of 6 : 2.0

Utility of 7 : -40.0058061401

Utility of 0 : 33.0

Utility of 1 : 0.0

Utility of 2 : 44.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 68.0

Utility of 7 : 0.0

Utility of 8 : 56.0

Utility of 9 : 0.0

Utility of 10 : 0.0

1693.9182188559726

RTV3 Total Time 6.291823

0 EMPTY0 162 1.0

[('d', 0), ('d', 27)]

1 EMPTY1 126 1.0

[('d', 0), ('d', 21)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 EMPTY3 144 1.0

[('d', 0), ('d', 24)]

4 (0, 2, 6, 8) 399 1.0

[('d', 11), (6, 14), (8, 15), (0, 15), (2, 19), (6, 26), (0, 27), (2, 33), (8, 33), ('d', 47)]

5 EMPTY5 96 1.0

[('d', 0), ('d', 16)]

6 EMPTY6 114 1.0

[('d', 0), ('d', 19)]

7 EMPTY7 126 1.0

[('d', 0), ('d', 21)]

Utility of 0 : 18.0

Utility of 1 : 13.0

Utility of 2 : 16.0

Utility of 3 : 8.0

Utility of 4 : 79.1866548289

Utility of 5 : 5.0

Utility of 6 : 2.0

Utility of 7 : 10.0

Utility of 0 : 42.0

Utility of 1 : 0.0

Utility of 2 : 44.0

Utility of 3 : 0.0

Utility of 4 : 0.0

Utility of 5 : 0.0

Utility of 6 : 68.0

Utility of 7 : 0.0

Utility of 8 : 56.0

Utility of 9 : 0.0

Utility of 10 : 0.0

1925.0

DRIVERS 8

drivers.append(Driver( (1, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.356158739904328 ))

drivers.append(Driver( (28, 0) , (16, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.5761622444002362 ))

drivers.append(Driver( (5, 0) , (14, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 126 , 0.020128936963386246 ))

drivers.append(Driver( (28, 0) , (15, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 158 , 0.6088649621382476 ))

drivers.append(Driver( (3, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 154 , 0.836152772044692 ))

drivers.append(Driver( (29, 0) , (13, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.8797077030715835 ))

drivers.append(Driver( (0, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 180 , 0.6302320937659948 ))

drivers.append(Driver( (24, 0) , (13, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 159 , 0.6359786961438144 ))

REQUESTS 12

reqs.append(Passenger( (5, 0) , (15, 0) , 6 , 19 , 7 , 1 , 3 , 70 , 70 ))

reqs.append(Passenger( (25, 0) , (20, 0) , 6 , 36 , 18 , 1 , 3 , 30 , 30 ))

reqs.append(Passenger( (2, 0) , (16, 0) , 9 , 52 , 23 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (26, 0) , (15, 0) , 6 , 41 , 18 , 1 , 3 , 71 , 71 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 1 , 34 , 11 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (26, 0) , (13, 0) , 0 , 14 , 0 , 1 , 3 , 91 , 91 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 1 , 46 , 15 , 1 , 3 , 122 , 122 ))

reqs.append(Passenger( (28, 0) , (19, 0) , 3 , 16 , 5 , 1 , 3 , 79 , 79 ))

reqs.append(Passenger( (4, 0) , (15, 0) , 3 , 26 , 9 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (27, 0) , (14, 0) , 2 , 39 , 14 , 1 , 3 , 104 , 104 ))

reqs.append(Passenger( (4, 0) , (18, 0) , 2 , 41 , 14 , 1 , 3 , 117 , 117 ))

reqs.append(Passenger( (26, 0) , (18, 0) , 17 , 29 , 19 , 1 , 3 , 57 , 57 ))

FIRST

RTV3 Total Time 132.102543

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 138 1.0

[('d', 0), ('d', 23)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 (7,) 180.33902196881112 1.0

[('d', 3), (0, 3), (0, 12), ('d', 33)]

4 (0, 6, 8, 10) 176.53793183403366 1.0

[('d', 7), (6, 7), (10, 8), (8, 8), (0, 9), (8, 19), (0, 19), (10, 22), (6, 23), ('d', 38)]

5 (1, 3, 9, 11) 183.1641368361909 1.0

[('d', 14), (9, 16), (3, 17), (11, 17), (1, 18), (1, 23), (11, 25), (3, 28), (9, 29), ('d', 45)]

6 (2, 4) 208.1372747789947 1.0

[('d', 11), (4, 11), (2, 13), (4, 23), (2, 27), ('d', 44)]

7 EMPTY7 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 0.0

Utility of 1 : 14.0

Utility of 2 : 12.0

Utility of 3 : -1.25426647661

Utility of 4 : 96.4567490712

Utility of 5 : 66.4373246485

Utility of 6 : 53.5604042833

Utility of 7 : 21.0

Utility of 0 : -27.0

Utility of 1 : 15.0

Utility of 2 : 68.0

Utility of 3 : 37.0

Utility of 4 : 63.0

Utility of 5 : 0.0

Utility of 6 : 66.0

Utility of 7 : 0.0

Utility of 8 : 33.0

Utility of 9 : 63.0

Utility of 10 : 69.0

Utility of 11 : 31.0

1367.1783654180304

RTV3 Total Time 174.998011

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 (7,) 206 1.0

[('d', 3), (0, 3), (0, 12), ('d', 32)]

2 EMPTY2 114 1.0

[('d', 0), ('d', 19)]

3 EMPTY3 144 1.0

[('d', 0), ('d', 24)]

4 (0, 8) 233 1.0

[('d', 5), (8, 6), (0, 7), (8, 17), (0, 17), ('d', 32)]

5 (1, 3, 9, 11) 316 1.0

[('d', 14), (9, 16), (3, 17), (11, 17), (1, 18), (1, 23), (11, 25), (3, 28), (9, 29), ('d', 45)]

6 (2, 4, 6, 10) 407 1.0

[('d', 11), (4, 11), (2, 13), (6, 14), (10, 15), (4, 23), (2, 27), (10, 29), (6, 30), ('d', 47)]

7 EMPTY7 138 1.0

[('d', 0), ('d', 23)]

Utility of 0 : 0.0

Utility of 1 : -2.52967246839

Utility of 2 : 12.0

Utility of 3 : 14.0

Utility of 4 : 22.9545691979

Utility of 5 : 66.4373246485

Utility of 6 : 128.204522067

Utility of 7 : 21.0

Utility of 0 : -15.0

Utility of 1 : 15.0

Utility of 2 : 68.0

Utility of 3 : 37.0

Utility of 4 : 63.0

Utility of 5 : 0.0

Utility of 6 : 73.0

Utility of 7 : 0.0

Utility of 8 : 31.0

Utility of 9 : 63.0

Utility of 10 : 74.0

Utility of 11 : 31.0

1787.0

DRIVERS 8

drivers.append(Driver( (3, 0) , (18, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 163 , 0.24339661209699603 ))

drivers.append(Driver( (28, 0) , (13, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 152 , 0.23256717184749498 ))

drivers.append(Driver( (1, 0) , (18, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 141 , 0.09479477270701264 ))

drivers.append(Driver( (28, 0) , (12, 20) , 0 , 60 , 0 , 4 , 1 , 6 , 162 , 0.779848084627246 ))

drivers.append(Driver( (4, 0) , (20, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.9643148897410054 ))

drivers.append(Driver( (25, 0) , (12, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 160 , 0.060034471612495977 ))

drivers.append(Driver( (2, 0) , (18, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 135 , 0.7187424706382777 ))

drivers.append(Driver( (25, 0) , (15, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 112 , 0.5341147668854099 ))

REQUESTS 13

reqs.append(Passenger( (3, 0) , (18, 0) , 1 , 39 , 12 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (24, 0) , (12, 0) , 13 , 31 , 16 , 1 , 3 , 93 , 93 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 9 , 34 , 15 , 1 , 3 , 88 , 88 ))

reqs.append(Passenger( (27, 0) , (13, 0) , 10 , 47 , 21 , 1 , 3 , 98 , 98 ))

reqs.append(Passenger( (2, 0) , (16, 0) , 5 , 46 , 18 , 1 , 3 , 100 , 100 ))

reqs.append(Passenger( (24, 0) , (14, 0) , 12 , 33 , 17 , 1 , 3 , 77 , 77 ))

reqs.append(Passenger( (0, 0) , (18, 0) , 0 , 24 , 3 , 1 , 3 , 145 , 145 ))

reqs.append(Passenger( (29, 0) , (15, 0) , 5 , 44 , 17 , 1 , 3 , 99 , 99 ))

reqs.append(Passenger( (5, 0) , (16, 0) , 12 , 32 , 16 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (29, 0) , (12, 0) , 0 , 44 , 13 , 1 , 3 , 130 , 130 ))

reqs.append(Passenger( (1, 0) , (13, 0) , 5 , 19 , 6 , 1 , 3 , 94 , 94 ))

reqs.append(Passenger( (25, 0) , (17, 0) , 7 , 18 , 8 , 1 , 3 , 67 , 67 ))

reqs.append(Passenger( (1, 0) , (16, 0) , 10 , 48 , 21 , 1 , 3 , 102 , 102 ))

FIRST

RTV3 Total Time 168.282784

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 150 1.0

[('d', 0), ('d', 25)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (1, 3, 7, 9) 228.81782692781576 1.0

[('d', 12), (9, 13), (7, 13), (3, 15), (1, 18), (7, 27), (3, 29), (9, 30), (1, 30), ('d', 50)]

4 (2, 4, 8, 12) 176.24326046982776 1.0

[('d', 11), (2, 15), (12, 16), (4, 17), (8, 20), (2, 27), (4, 31), (12, 31), (8, 31), ('d', 48)]

5 EMPTY5 138 1.0

[('d', 0), ('d', 23)]

6 (0, 6, 10) 208.09527846042965 1.0

[('d', 2), (6, 4), (10, 5), (0, 7), (10, 17), (6, 22), (0, 22), ('d', 37)]

7 (11,) 147.03306502392738 1.0

[('d', 7), (0, 7), (0, 15), ('d', 30)]

Utility of 0 : 19.0

Utility of 1 : 2.0

Utility of 2 : 9.0

Utility of 3 : 106.823996057

Utility of 4 : 130.113590633

Utility of 5 : 22.0

Utility of 6 : 63.8735242451

Utility of 7 : 6.52449274952

Utility of 0 : 25.0

Utility of 1 : 55.0

Utility of 2 : 52.0

Utility of 3 : 50.0

Utility of 4 : 57.0

Utility of 5 : 0.0

Utility of 6 : 90.0

Utility of 7 : 53.0

Utility of 8 : 60.0

Utility of 9 : 79.0

Utility of 10 : 57.0

Utility of 11 : 0.0

Utility of 12 : 52.0

1401.1894308820006

RTV3 Total Time 218.123775

0 EMPTY0 144 1.0

[('d', 0), ('d', 24)]

1 EMPTY1 150 1.0

[('d', 0), ('d', 25)]

2 EMPTY2 132 1.0

[('d', 0), ('d', 22)]

3 (1, 3, 7, 9) 423 1.0

[('d', 12), (9, 13), (7, 13), (3, 15), (1, 18), (7, 27), (3, 29), (9, 30), (1, 30), ('d', 50)]

4 (2, 4, 8, 12) 399 1.0

[('d', 11), (2, 15), (12, 16), (4, 17), (8, 20), (2, 27), (4, 31), (12, 31), (8, 31), ('d', 48)]

5 EMPTY5 138 1.0

[('d', 0), ('d', 23)]

6 (0, 6, 10) 354 1.0

[('d', 2), (6, 4), (10, 5), (0, 7), (10, 17), (6, 22), (0, 22), ('d', 37)]

7 (11,) 170 1.0

[('d', 7), (0, 7), (0, 15), ('d', 30)]

Utility of 0 : 19.0

Utility of 1 : 2.0

Utility of 2 : 9.0

Utility of 3 : 106.823996057

Utility of 4 : 130.113590633

Utility of 5 : 22.0

Utility of 6 : 63.8735242451

Utility of 7 : 6.52449274952

Utility of 0 : 25.0

Utility of 1 : 55.0

Utility of 2 : 52.0

Utility of 3 : 50.0

Utility of 4 : 57.0

Utility of 5 : 0.0

Utility of 6 : 90.0

Utility of 7 : 53.0

Utility of 8 : 60.0

Utility of 9 : 79.0

Utility of 10 : 57.0

Utility of 11 : 0.0

Utility of 12 : 52.0

1987.0

DRIVERS 8

drivers.append(Driver( (4, 0) , (17, 18) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.09892078016875538 ))

drivers.append(Driver( (27, 0) , (20, 15) , 0 , 60 , 0 , 4 , 1 , 6 , 103 , 0.4700413010372331 ))

drivers.append(Driver( (4, 0) , (20, 14) , 0 , 60 , 0 , 4 , 1 , 6 , 138 , 0.7125384261451315 ))

drivers.append(Driver( (25, 0) , (13, 13) , 0 , 60 , 0 , 4 , 1 , 6 , 116 , 0.35968664207684165 ))

drivers.append(Driver( (4, 0) , (17, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 146 , 0.43523282161877186 ))

drivers.append(Driver( (27, 0) , (13, 17) , 0 , 60 , 0 , 4 , 1 , 6 , 157 , 0.8467355880773997 ))

drivers.append(Driver( (4, 0) , (18, 16) , 0 , 60 , 0 , 4 , 1 , 6 , 143 , 0.7772053910977564 ))

drivers.append(Driver( (25, 0) , (15, 19) , 0 , 60 , 0 , 4 , 1 , 6 , 150 , 0.5412771222811578 ))

REQUESTS 14

reqs.append(Passenger( (0, 0) , (12, 0) , 11 , 37 , 18 , 1 , 3 , 97 , 97 ))

reqs.append(Passenger( (25, 0) , (15, 0) , 14 , 28 , 16 , 1 , 3 , 68 , 68 ))

reqs.append(Passenger( (0, 0) , (12, 0) , 7 , 25 , 10 , 1 , 3 , 85 , 85 ))

reqs.append(Passenger( (27, 0) , (12, 0) , 8 , 44 , 18 , 1 , 3 , 109 , 109 ))

reqs.append(Passenger( (5, 0) , (18, 0) , 5 , 47 , 19 , 1 , 3 , 84 , 84 ))

reqs.append(Passenger( (29, 0) , (14, 0) , 2 , 27 , 7 , 1 , 3 , 109 , 109 ))

reqs.append(Passenger( (3, 0) , (19, 0) , 10 , 52 , 23 , 1 , 3 , 122 , 122 ))

reqs.append(Passenger( (26, 0) , (14, 0) , 5 , 34 , 13 , 1 , 3 , 72 , 72 ))

reqs.append(Passenger( (1, 0) , (12, 0) , 0 , 35 , 12 , 1 , 3 , 77 , 77 ))

reqs.append(Passenger( (27, 0) , (19, 0) , 7 , 20 , 9 , 1 , 3 , 63 , 63 ))

reqs.append(Passenger( (1, 0) , (19, 0) , 0 , 19 , 0 , 1 , 3 , 115 , 115 ))

reqs.append(Passenger( (28, 0) , (15, 0) , 13 , 51 , 25 , 1 , 3 , 92 , 92 ))

reqs.append(Passenger( (2, 0) , (19, 0) , 0 , 23 , 3 , 1 , 3 , 120 , 120 ))

reqs.append(Passenger( (28, 0) , (13, 0) , 3 , 23 , 5 , 1 , 3 , 118 , 118 ))

FIRST

RTV3 Total Time 105.149241

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 (4, 12) 227.770619419455 1.0

[('d', 2), (12, 4), (4, 7), (4, 20), (12, 21), ('d', 36)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 (3, 5, 9, 13) 194.78345886142412 1.0

[('d', 5), (5, 7), (13, 8), (9, 9), (3, 9), (9, 17), (5, 22), (13, 23), (3, 24), ('d', 42)]

6 (0, 2, 6, 8) 239.7971708297115 1.0

[('d', 7), (2, 11), (0, 11), (8, 12), (6, 14), (8, 23), (2, 23), (0, 23), (6, 30), ('d', 47)]

7 EMPTY7 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 5.0

Utility of 1 : 1.0

Utility of 2 : 3.96638104066

Utility of 3 : 8.0

Utility of 4 : 2.0

Utility of 5 : 123.055714082

Utility of 6 : 59.9903375216

Utility of 7 : 18.0

Utility of 0 : 54.0

Utility of 1 : 0.0

Utility of 2 : 48.0

Utility of 3 : 55.0

Utility of 4 : 33.0

Utility of 5 : 64.0

Utility of 6 : 65.0

Utility of 7 : 0.0

Utility of 8 : 44.0

Utility of 9 : 39.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 68.0

Utility of 13 : 70.0

1633.3512491105907

RTV3 Total Time 111.889576

0 EMPTY0 138 1.0

[('d', 0), ('d', 23)]

1 EMPTY1 102 1.0

[('d', 0), ('d', 17)]

2 (4, 12) 309 1.0

[('d', 2), (12, 4), (4, 7), (4, 20), (12, 21), ('d', 36)]

3 EMPTY3 108 1.0

[('d', 0), ('d', 18)]

4 EMPTY4 144 1.0

[('d', 0), ('d', 24)]

5 (3, 5, 9, 13) 398 1.0

[('d', 5), (5, 7), (13, 8), (9, 9), (3, 9), (9, 17), (5, 22), (13, 23), (3, 24), ('d', 42)]

6 (0, 2, 6, 8) 417 1.0

[('d', 7), (2, 11), (0, 11), (8, 12), (6, 14), (8, 23), (2, 23), (0, 23), (6, 30), ('d', 47)]

7 EMPTY7 132 1.0

[('d', 0), ('d', 22)]

Utility of 0 : 5.0

Utility of 1 : 1.0

Utility of 2 : 3.96638104066

Utility of 3 : 8.0

Utility of 4 : 2.0

Utility of 5 : 123.055714082

Utility of 6 : 59.9903375216

Utility of 7 : 18.0

Utility of 0 : 54.0

Utility of 1 : 0.0

Utility of 2 : 48.0

Utility of 3 : 55.0

Utility of 4 : 33.0

Utility of 5 : 64.0

Utility of 6 : 65.0

Utility of 7 : 0.0

Utility of 8 : 44.0

Utility of 9 : 39.0

Utility of 10 : 0.0

Utility of 11 : 0.0

Utility of 12 : 68.0

Utility of 13 : 70.0

2095.0