

# Assignment3

November 26, 2023

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[1]: import random as random
import numpy as np
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[2]: BOARD_ROWS = 5
BOARD_COLS = 5
PICK_UP_STATE = [(0,1), (0,3), (4,0), (4,4)]
RESTRICTED_STATE = [(1,2)]
GAMMA = 0.9
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[3]: class State:
    def __init__(self):
        self.rows = BOARD_ROWS
        self.cols = BOARD_COLS
        self.pick_up_states = PICK_UP_STATE
        self.restricted_states = RESTRICTED_STATE
```

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[4]: class Car:
    def __init__(self, ran = 0):
        if ran == 0:
            self.position = (3,1)
        else:
            while 1:
                random_row = random.randint(0,BOARD_ROWS - 1)
                random_cols = random.randint(0, BOARD_COLS - 1)
                if (random_row, random_cols) != RESTRICTED_STATE[0]:
                    self.position = (random_row, random_cols)
                    break

    def nxtPosition(self, action, position):
        if action == "up":
            nxtState = (position[0] - 1, position[1])
        elif action == "down":
            nxtState = (position[0] + 1, position[1])
        elif action == "left":
            nxtState = (position[0], position[1] - 1)
        else:
            nxtState = (position[0], position[1] + 1)
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    if (nxtState[0] >= 0) and (nxtState[0] <= (BOARD_ROWS-1)):
        if (nxtState[1] >= 0) and (nxtState[1] <= (BOARD_COLS-1)):
            return nxtState

    return position

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[5]: class Customer:
    def __init__(self, ctype, pick_up_name):
        self.type = ctype
        if(ctype == 1):
            self.reward_multiplier = 1.5
        else:
            self.reward_multiplier = 1
        self.pick_up_point = self.getPickUpCoordinate(pick_up_name)

    def getPickUpCoordinate(self, pick_up_name):
        if pick_up_name == "A":
            return (0,1)
        elif pick_up_name == "B":
            return (0,3)
        elif pick_up_name == "C":
            return (4,0)
        else:
            return (4,4)

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[34]: class Agent:
    def __init__(self):
        self.state = State()
        self.actions = ["up", "down", "left", "right"]
        self.State = State()
        self.u_value = {}
        self.reward_state = []
        self.difference_factor = 0.01 #this is Epsilon
        self.transition_probability= {}

    def getPickUpName(self, coordinate):
        if coordinate == 0:
            return "A"
        elif coordinate == 1:
            return "B"
        elif coordinate == 2:
            return "C"
        else:
            return "D"

    def updateReward(self, type, pick_up_name):

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        for a in range(self.state.rows):
            for b in range(self.state.cols):
                self.u_value[(a, b)] = 0

        for a in RESTRICTED_STATE:
            self.u_value[a] = -10

        coordinate = self.customer_one.getPickUpCoordinate(pick_up_name)
        if(type == 1):
            self.u_value[coordinate] = 30
        else:
            self.u_value[coordinate] = 20

        self.reward_state.append(coordinate)

    def updateRewardTwo(self, type_one, pick_up_name_one, type_two, ␣
↪ pick_up_name_two):
        for a in range(self.state.rows):
            for b in range(self.state.cols):
                self.u_value[(a, b)] = 0

        for a in RESTRICTED_STATE:
            self.u_value[a] = -10

        coordinate_one = self.customer_one.getPickUpCoordinate(pick_up_name_one)
        coordinate_two = self.customer_two.getPickUpCoordinate(pick_up_name_two)

        if(type_one == 1):
            self.u_value[coordinate_one] = 30
        else:
            self.u_value[coordinate_one] = 20

        if(type_two == 1):
            self.u_value[coordinate_two] = 30
        else:
            self.u_value[coordinate_two] = 20

        self.reward_state.append(coordinate_one)
        self.reward_state.append(coordinate_two)

    def simulateRequirementOne(self):
        self.customer_one = Customer(0, "A")
        self.updateReward(0, "A")
        self.car = Car()
        self.valueIteration(k = 100)

    def simulateRequirementTwo(self):

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self.customer_one = Customer(1, "B")
self.updateReward(1, "B")
self.car = Car()
self.valueIteration(k = 100)

def simulateRequirementThree(self):
    self.customer_one = Customer(0, "A")
    self.customer_two = Customer(1, "B")
    self.updateRewardTwo(0, "A", 1, "B")
    self.car = Car()
    self.valueIteration(k = 100)

def simulateRequirementFour(self):
    k = 0
    count = 0
    premium_selection = 0
    while k < 1000:
        k += 1
        any_one_premium = 0
        # Generate a random number between 0 and 3
        # Such that each number maps to a pickup point(0->A 1->B 2->C 3->D)
        pick_up_index_one = random.randint(0,4)
        pick_up_name_one = self.getPickUpName(pick_up_index_one)

        #generate 2nd request only 60% of the time
        pick_up_index_two = -1
        probability = random.randint(1,10)
        if probability <= 6:
            while(1):
                pick_up_index_two = random.randint(0,4)
                pick_up_name_two = self.getPickUpName(pick_up_index_two)
                if pick_up_name_one != pick_up_name_two:
                    break
            else:
                self.customer_one = Customer(0, pick_up_name_one)
                self.updateReward(0, pick_up_name_one)

        # If two request are received one of these is a premium customer
        →30% of the time
        if pick_up_index_two != -1:
            probability = random.randint(1,10)
            if probability <= 3:
                pp = random.randint(1,2)
                any_one_premium = 1
                # print("one premium")
                if pp == 1:
                    # Customer 1 is premium

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        self.customer_one = Customer(1, pick_up_name_one)
        self.customer_two = Customer(0, pick_up_name_two)
        self.updateRewardTwo(1, pick_up_name_one, 0,
↪pick_up_name_two)
        else:
            # Customer 2 is premium
            self.customer_one = Customer(0, pick_up_name_one)
            self.customer_two = Customer(1, pick_up_name_two)
            self.updateRewardTwo(0, pick_up_name_one, 1,
↪pick_up_name_two)
        else:
            # print("two regular")
            self.customer_one = Customer(0, pick_up_name_one)
            self.customer_two = Customer(0, pick_up_name_two)
            self.updateRewardTwo(0, pick_up_name_one, 0,
↪pick_up_name_two)

        # Generate car in random position
        self.car = Car(ran=1)
        # Run value iteration
        self.valueIteration(k = 100)

        # Calculate the times agent preferred premium customer over regular
↪ones
        if any_one_premium == 1:
            count += 1
            customer_one_coordinate = self.customer_one.pick_up_point
            customer_two_coordinate = self.customer_two.pick_up_point
            car_coordinate = self.car.position

            if self.customer_one.type == 1:
                distance_to_premium = self.
↪getDistances(customer_one_coordinate, car_coordinate)
                distance_to_regular = self.
↪getDistances(customer_two_coordinate, car_coordinate)
            else:
                distance_to_regular = self.
↪getDistances(customer_one_coordinate, car_coordinate)
                distance_to_premium = self.
↪getDistances(customer_two_coordinate, car_coordinate)

            if distance_to_premium <= distance_to_regular:
                premium_selection += 1

        print("There was a premium and a regular customer generated ", count, "
↪times")

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        print("The fraction of selction of premium over regular was",
        ↪premium_selection, " / ", count, ", ", premium_selection/count)

    def getDistances(self, customer_pickup, car_origin):
        row_dist = abs(customer_pickup[0] - car_origin[0])
        col_distance = abs(customer_pickup[1] - car_origin[1])
        return row_dist + col_distance

    def getStateProbability(self, prev_coordinate, next_coordinate):
        for a in self.reward_state:
            if a == next_coordinate:
                return 0.9
            elif prev_coordinate == next_coordinate:
                return 0
            else:
                return 0.8

    def getOtherStateProbability(self, original_coordinate,
    ↪next_coordinate_one, next_coordinate_two, probability):
        if original_coordinate == next_coordinate_one:
            if original_coordinate != next_coordinate_two:
                #p1 = 0 , p2 != 0
                return (0, 1-probability)
            else:
                if original_coordinate == next_coordinate_two:
                    #p1 != 0, p2 = 0
                    return (1-probability, 0)
                else:
                    #p1 != 0, p2 != 0
                    a = (1-probability)/2
                    return (a,a)

    def isReward(self, coordinate):
        for a in self.reward_state:
            if a == coordinate:
                return True

    def isRestricted(self, coordinate):
        for a in RESTRICTED_STATE:
            if a == coordinate:
                return True

    def getEmptyValue(self):
        new_uvalue = {}
        for i in range(0,BOARD_ROWS):
            for j in range(0, BOARD_COLS):

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        new_uvalue[(i, j)] = 0

    for a in self.reward_state:
        prev_value = self.u_value[a]
        new_uvalue[a] = prev_value

    return new_uvalue

def valueIteration(self, k):
    while(k!=0):
        k -=1
        end_loop = True
        update_uvalue = self.getEmptyValue()
        for i in range(0,BOARD_ROWS):
            for j in range(0, BOARD_COLS):
                coordinate = (i,j)
                if self.isReward(coordinate) or self.
↪isRestricted(coordinate):
                    continue
                value_array = []
                for a in self.actions:
                    if a=="up" or a=="down":
                        if a=="up":
                            #goup
                            mcoordinate = self.
↪calculateCordinate(coordinate, "up")
                            mprobability = self.
↪getStateProbability(coordinate, mcoordinate)
                        else:
                            #godown
                            mcoordinate = self.
↪calculateCordinate(coordinate, "down")
                            mprobability = self.
↪getStateProbability(coordinate, mcoordinate)

                            left_coordinate = self.
↪calculateCordinate(coordinate, "left")
                            right_coordinate = self.
↪calculateCordinate(coordinate, "right")
                            other_probability = self.
↪getOtherStateProbability(coordinate, left_coordinate, right_coordinate,
↪mprobability)

                            #do the calculation
                            value = mprobability * self.u_value[mcoordinate] +
↪other_probability[0] * self.u_value[left_coordinate] + other_probability[1]
↪* self.u_value[right_coordinate]

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        else:
            if a=="left":
                #goleft
                mcoordinate = self.
↪calculateCordinate(coordinate, "left")
                mprobability = self.
↪getStateProbability(coordinate, mcoordinate)
            else:
                #goright
                mcoordinate = self.
↪calculateCordinate(coordinate, "right")
                mprobability = self.
↪getStateProbability(coordinate, mcoordinate)

                up_coordinate = self.calculateCordinate(coordinate, ↪
↪"up")

                down_coordinate = self.
↪calculateCordinate(coordinate, "down")
                other_probability = self.
↪getOtherStateProbability(coordinate, up_coordinate, down_coordinate, ↪
↪mprobability)

                #do the calculation
                value = mprobability * self.u_value[mcoordinate] + ↪
↪other_probability[0] * self.u_value[up_coordinate] + other_probability[1] * ↪
↪self.u_value[down_coordinate]

                value_array.append(value)
                #get the max value array and update the u value
                max_value = max(value_array)
                value = -0.1 + GAMMA * max_value
                old_value = self.u_value[coordinate]
                if abs(old_value - value) > self.difference_factor:
                    end_loop = False
                update_uvalue[coordinate] = value

                self.u_value = update_uvalue
                if end_loop:
                    break

                self.showTrace()

def calculateCordinate(self, position, action):
    return self.car.nextPosition(action, position)

def showAllUvalues(self):

```



```

    for i in range(0, BOARD_ROWS):
        print('-----')
        for j in range(0, BOARD_COLS):
            print("For", i , j)
            print(self.u_value[(i,j)])
            print()
        print('-----')

def showTrace(self):
    for i in range(0, BOARD_ROWS):
        out = '| '
        total = 8
        print('-----')
        for j in range(0, BOARD_COLS):
            if (i,j) == self.car.position:
                value = 'Car'
            else:
                value = round(self.u_value[(i,j)],2)
                lenn = 0

            if value == 'Car':
                out+= value
                lenn = 3
            elif value == 0:
                out+= '0'
                lenn = 1
            elif value<0:
                out+= str(value)
                lenn = len(str(value))
            else:
                out += str(value)
                lenn = len(str(value))

            rem = total - lenn
            while(rem !=0):
                out+= ' '
                rem -=1
            out += '| '
        print(out)
    print('-----')

```

```

[26]: # REQUIREMENT 1
if __name__ == "__main__":
    ag = Agent()
    ag.simulateRequirementOne()
del ag

```

17.9	20	16.1	13.38	11.94	
15.81	16.81	0	10.46	10.38	
13.85	14.25	11.11	9.66	9.11	
12.07	Car	10.52	9.09	8.09	
10.76	10.49	9.34	8.26	7.33	

```
[27]: # REQUIREMENT 2
if __name__ == "__main__":
    ag = Agent()
    ag.simulateRequirementTwo()
del ag
```

18.06	20.18	24.2	30	26.9	
15.75	15.84	0	25.27	23.82	
13.88	14.68	16.81	21.49	20.92	
12.39	Car	15.99	18.46	18.28	
11.29	12.66	14.26	15.94	16.35	

```
[28]: # REQUIREMENT 3
if __name__ == "__main__":
    ag = Agent()
    ag.simulateRequirementThree()
del ag
```

17.9	20	22.4	30	26.9	
15.81	16.81	0	23.62	23.52	
13.93	14.68	15.77	20.17	20.46	
12.29	Car	15.04	17.37	17.76	
10.96	11.94	13.44	15.05	15.88	

```
[39]: # REQUIREMENT 4
if __name__ == "__main__":
    ag = Agent()
    ag.simulateRequirementFour()
del ag
```

Streaming output truncated to the last 5000 lines.

8.93	11.48	13.25	15.25	17.47
0	Car	14.87	17.47	20
6.62	Car	14.3	20	17.9
7.47	7.77	0	15.71	15.61
8.57	10.0	11.59	13.59	14.93
8.95	11.5	13.28	15.28	17.48
0	12.68	14.87	17.48	20
10.82	0	-0.1	0	6.39
12.13	10.25	0	7.51	7.22
14.43	12.86	11.19	9.67	8.29
16.96	14.8	12.86	11.14	8.66
20	16.96	Car	12.29	0
6.61	0	-0.1	0	11.15
7.45	7.75	0	10.57	12.51
8.55	9.97	11.53	13.25	14.87
8.93	Car	13.25	15.25	17.47
0	12.67	14.87	17.47	20
17.9	20	14.3	0	11.16

15.61	15.71	0	10.59	12.51	
13.57	Car	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	Car	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	Car	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	Car	20	
26.9	30	22.4	20	17.9	
23.52	23.62	0	15.71	15.61	
20.46	20.16	15.77	13.85	13.64	

Car	17.37	14.99	12.98	12.05	
0	13.57	12.95	11.56	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
Car	12.67	14.87	17.47	20	
8.88	0	21.5	30	26.9	
9.98	10.45	0	23.62	Car	
11.39	13.41	15.79	20.17	20.46	
10.49	13.29	15.25	17.42	18.11	
0	13.35	15.37	17.67	20	
6.61	Car	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
Car	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	

10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	Car	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	Car	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
10.82	0	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	Car	11.8	
20	16.96	14.43	12.42	0	
10.86	0	-0.1	0	11.17	
Car	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
Car	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	

8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	Car	
6.62	0	14.3	20	17.9	
Car	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	Car	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	

0	Car	14.87	17.47	20	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	Car	15.43	17.49	
0	13.99	15.23	17.49	20	
10.22	0	14.3	20	17.9	
11.47	11.87	0	17.3	19.16	
13.1	15.2	17.5	20.04	22.42	
13.62	17.42	20.04	22.98	26.27	
0	19.18	22.42	26.27	Car	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
Car	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	Car	7.52	0	



11.01	0	21.5	30	26.9	
12.35	10.79	0	23.62	Car	
14.59	13.59	15.79	20.17	20.46	
17.01	15.04	15.18	17.38	17.76	
20	17.01	14.88	13.75	0	
Car	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
Car	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
Car	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
11.65	0	-0.1	0	16.94	
13.05	12.16	0	16.03	18.93	

15.23	15.41	Car	20.04	22.42	
17.44	17.44	20.04	22.98	26.27	
20	19.18	22.42	26.27	30	
17.9	20	14.3	Car	16.93	
15.61	15.71	0	16.03	18.93	
13.93	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
0	19.18	22.42	26.27	30	
17.9	Car	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
Car	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
6.61	0	-0.1	0	11.15	
Car	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	

0	12.67	14.87	17.47	20	
-----					
17.9	20	14.3	0	11.16	
-----					
15.61	Car	0	10.59	12.51	
-----					
13.57	13.5	11.87	13.29	14.87	
-----					
11.81	11.88	13.29	15.25	17.47	
-----					
0	12.74	14.87	17.47	20	
-----					
6.62	0	14.3	20	17.9	
-----					
7.47	7.77	0	15.71	15.61	
-----					
8.57	10.0	11.59	Car	14.93	
-----					
8.95	11.5	13.28	15.28	17.48	
-----					
0	12.68	14.87	17.48	20	
-----					
17.9	20	14.3	0	16.93	
-----					
15.61	15.71	0	16.03	Car	
-----					
13.93	15.5	17.53	20.04	22.42	
-----					
13.71	17.45	20.04	22.98	26.27	
-----					
0	19.18	22.42	26.27	30	
-----					
10.82	0	-0.1	0	6.39	
-----					
12.13	10.25	0	7.51	7.22	
-----					
14.43	12.86	11.19	9.67	8.29	
-----					
16.96	Car	12.86	11.14	8.66	
-----					
20	16.96	14.43	12.29	0	
-----					
17.9	20	14.3	0	6.43	

15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	Car	8.7	
20	16.98	14.45	12.32	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
Car	8.92	8.47	7.52	0	
10.82	0	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	Car	11.82	11.8	
20	16.96	14.43	12.42	0	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	Car	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	

16.98	14.87	Car	11.19	8.7	
20	16.98	14.45	12.32	0	
10.82	0	-0.1	0	Car	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	Car	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	Car	17.47	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	Car	20	

17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	Car	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
5.7	0	14.3	20	Car	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	Car	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
6.61	0	Car	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	17.9	20	17.9	

15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	Car	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
Car	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	Car	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	Car	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	Car	

11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	Car	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	Car	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
17.9	20	14.3	0	11.16	
15.61	Car	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	Car	8.46	6.75	
0	8.92	8.47	7.52	0	



6.62	0	14.3	20	17.9	
Car	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
13.93	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	Car	
0	19.18	22.42	26.27	30	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	Car	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	Car	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	

13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
Car	8.93	8.6	8.93	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	Car	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
8.88	0	21.5	Car	26.9	
9.98	10.45	0	23.62	23.52	
11.39	13.41	15.79	20.17	20.46	
10.49	13.29	15.25	17.42	18.11	
0	13.35	15.37	17.67	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	Car	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	Car	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	

20	16.98	15.4	17.48	20	
8.88	0	21.5	30	26.9	
9.98	10.45	0	23.62	23.52	
11.39	13.41	Car	20.17	20.46	
10.49	13.29	15.25	17.42	18.11	
0	13.35	15.37	17.67	20	
26.9	30	22.4	20	17.9	
Car	23.62	0	15.71	15.61	
20.46	20.16	15.77	13.85	13.64	
17.76	17.37	14.99	12.98	12.05	
0	13.57	12.95	11.56	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	Car	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
11.65	0	-0.1	0	16.94	
Car	12.16	0	16.03	18.93	
15.23	15.41	17.52	20.04	22.42	
17.44	17.44	20.04	22.98	26.27	
20	19.18	22.42	26.27	30	

10.82	0	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	11.82	11.8	
20	Car	14.43	12.42	0	
6.62	0	14.3	20	17.9	
Car	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
Car	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	Car	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	

7.4	Car	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
Car	12.74	14.87	17.47	20	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	Car	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	Car	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	Car	
16.98	14.87	12.92	11.19	8.7	

20	16.98	14.45	12.32	0	
-----					
17.9	20	14.3	0	Car	
-----					
15.61	15.71	0	16.03	18.93	
-----					
13.93	15.5	17.53	20.04	22.42	
-----					
13.71	17.45	20.04	22.98	26.27	
-----					
0	19.18	22.42	26.27	30	
-----					
17.9	20	14.3	0	16.93	
-----					
15.61	15.71	0	Car	18.93	
-----					
13.93	15.5	17.53	20.04	22.42	
-----					
13.71	17.45	20.04	22.98	26.27	
-----					
0	19.18	22.42	26.27	30	
-----					
6.61	0	-0.1	0	11.15	
-----					
7.45	7.75	0	10.57	12.51	
-----					
8.55	9.97	11.53	13.25	14.87	
-----					
8.93	11.48	13.25	15.25	17.47	
-----					
0	12.67	Car	17.47	20	
-----					
6.62	0	14.3	20	17.9	
-----					
7.47	7.77	0	15.71	15.61	
-----					
8.57	10.0	Car	13.59	14.93	
-----					
8.95	11.5	13.28	15.28	17.48	
-----					
0	12.68	14.87	17.48	20	
-----					
10.82	0	-0.1	0	6.39	

12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	Car	11.14	8.66	
20	16.96	14.43	12.29	0	
5.7	0	Car	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
11.65	0	-0.1	0	16.94	
13.05	12.16	0	16.03	Car	
15.23	15.41	17.52	20.04	22.42	
17.44	17.44	20.04	22.98	26.27	
20	19.18	22.42	26.27	30	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	Car	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
8.88	0	21.5	30	26.9	
9.98	10.45	0	23.62	23.52	
11.39	13.41	15.79	20.17	20.46	

10.49	13.29	15.25	Car	18.11	
0	13.35	15.37	17.67	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	Car	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	Car	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
11.65	0	Car	0	16.94	
13.05	12.16	0	16.03	18.93	
15.23	15.41	17.52	20.04	22.42	
17.44	17.44	20.04	22.98	26.27	
20	19.18	22.42	26.27	30	
Car	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	



-----					
10.82	0	-0.1	0	6.39	
-----					
12.13	10.25	0	7.51	7.22	
-----					
14.43	12.86	11.19	9.67	8.29	
-----					
16.96	14.8	12.86	11.14	8.66	
-----					
20	16.96	Car	12.29	0	
-----					
17.9	20	14.3	Car	11.16	
-----					
15.61	15.71	0	10.59	12.51	
-----					
13.57	13.5	11.87	13.29	14.87	
-----					
11.81	11.88	13.29	15.25	17.47	
-----					
0	12.74	14.87	17.47	20	
-----					
26.9	30	Car	0	11.28	
-----					
23.52	23.62	0	10.96	12.65	
-----					
20.46	20.17	15.79	13.78	14.97	
-----					
17.76	17.39	15.21	15.43	17.49	
-----					
0	13.99	15.23	17.49	20	
-----					
6.62	0	14.3	20	17.9	
-----					
7.47	7.77	0	15.71	15.61	
-----					
8.57	Car	11.59	13.59	14.93	
-----					
8.95	11.5	13.28	15.28	17.48	
-----					
0	12.68	14.87	17.48	20	
-----					
17.9	20	14.3	0	11.16	
-----					

15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	Car	
11.65	Car	-0.1	0	16.94	
13.05	12.16	0	16.03	18.93	
15.23	15.41	17.52	20.04	22.42	
17.44	17.44	20.04	22.98	26.27	
20	19.18	22.42	26.27	30	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
Car	16.96	14.43	12.29	0	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	Car	
0	7.52	8.47	8.92	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	

8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	Car	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	Car	17.47	
0	12.74	14.87	17.47	20	
17.9	20	22.4	30	26.9	
15.61	15.71	0	23.62	23.52	
13.64	13.85	15.77	20.16	Car	
12.05	12.98	14.99	17.37	17.76	
0	11.56	12.95	13.57	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	Car	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	Car	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	

10.86	Car	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
10.86	0	-0.1	0	Car	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	Car	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	Car	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	

8.55	Car	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
16.44	0	-0.1	0	11.64	
18.38	15.57	0	11.88	13.05	
21.78	Car	17.01	15.01	15.29	
25.52	22.32	19.46	16.94	17.63	
30	25.52	21.78	18.7	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
Car	7.52	8.47	8.92	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
Car	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
11.01	0	21.5	30	26.9	
12.35	10.79	0	23.62	23.52	
14.59	13.59	15.79	20.17	20.46	
17.01	15.04	15.18	17.38	17.76	

20	17.01	Car	13.75	0	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	Car	14.45	12.32	0	
11.65	0	-0.1	0	16.94	
13.05	12.16	0	16.03	18.93	
15.23	15.41	17.52	20.04	22.42	
17.44	17.44	Car	22.98	26.27	
20	19.18	22.42	26.27	30	
6.61	0	Car	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	Car	

11.01	0	21.5	30	26.9	
12.35	10.79	0	23.62	23.52	
14.59	13.59	15.79	20.17	20.46	
17.01	15.04	15.18	17.38	17.76	
Car	17.01	14.88	13.75	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	Car	15.25	17.47	
0	12.74	14.87	17.47	20	
11.65	0	-0.1	Car	16.94	
13.05	12.16	0	16.03	18.93	
15.23	15.41	17.52	20.04	22.42	
17.44	17.44	20.04	22.98	26.27	
20	19.18	22.42	26.27	30	
Car	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	

7.4	8.77	Car	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
26.9	30	22.4	Car	17.9	
23.52	23.62	0	15.71	15.61	
20.46	20.16	15.77	13.85	13.64	
17.76	17.37	14.99	12.98	12.05	
0	13.57	12.95	11.56	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	Car	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	Car	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	Car	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	



20	16.98	14.45	12.32	0	
-----					
10.82	0	14.3	20	17.9	
-----					
12.14	10.28	0	15.71	15.61	
-----					
14.43	12.9	11.56	13.47	13.57	
-----					
16.96	14.8	12.9	11.82	11.8	
-----					
20	16.96	14.43	12.42	Car	
-----					
17.9	20	17.9	20	17.9	
-----					
15.61	15.71	0	15.71	15.61	
-----					
13.55	13.36	10.41	13.36	13.55	
-----					
11.72	11.46	9.86	11.46	11.72	
-----					
0	8.93	8.6	Car	0	
-----					
10.82	0	-0.1	0	6.39	
-----					
12.13	10.25	0	7.51	Car	
-----					
14.43	12.86	11.19	9.67	8.29	
-----					
16.96	14.8	12.86	11.14	8.66	
-----					
20	16.96	14.43	12.29	0	
-----					
6.61	0	-0.1	0	11.15	
-----					
7.45	Car	0	10.57	12.51	
-----					
8.55	9.97	11.53	13.25	14.87	
-----					
8.93	11.48	13.25	15.25	17.47	
-----					
0	12.67	14.87	17.47	20	
-----					
10.86	0	-0.1	0	11.17	

12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	Car	17.48	
20	16.98	15.4	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	Car	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
26.9	30	22.4	20	17.9	
23.52	23.62	0	15.71	15.61	
20.46	20.16	15.77	13.85	13.64	
17.76	17.37	14.99	12.98	Car	
0	13.57	12.95	11.56	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	Car	15.25	17.47	
0	12.67	14.87	17.47	20	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	Car	
20.46	20.17	15.79	13.78	14.97	

17.76	17.39	15.21	15.43	17.49	
0	13.99	15.23	17.49	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	Car	15.25	17.47	
0	12.67	14.87	17.47	20	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	Car	15.43	17.49	
0	13.99	15.23	17.49	20	
Car	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	Car	
0	12.68	14.87	17.48	20	

-----					
10.86	0	-0.1	0	11.17	
-----					
12.18	10.36	0	10.63	12.53	
-----					
14.47	13.01	12.14	13.34	14.88	
-----					
16.98	14.89	13.71	15.29	17.48	
-----					
20	16.98	15.4	Car	20	
-----					
17.9	20	14.3	0	5.7	
-----					
15.61	15.71	0	6.79	6.45	
-----					
13.55	13.36	10.41	8.77	7.4	
-----					
11.72	11.46	9.85	Car	6.75	
-----					
0	8.92	8.47	7.52	0	
-----					
6.61	0	-0.1	0	11.15	
-----					
7.45	7.75	0	10.57	12.51	
-----					
8.55	9.97	11.53	13.25	14.87	
-----					
8.93	11.48	13.25	Car	17.47	
-----					
0	12.67	14.87	17.47	20	
-----					
26.9	Car	21.5	0	11.28	
-----					
23.52	23.62	0	10.96	12.65	
-----					
20.46	20.17	15.79	13.78	14.97	
-----					
17.76	17.39	15.21	15.43	17.49	
-----					
0	13.99	15.23	17.49	20	
-----					
10.86	0	-0.1	0	11.17	
-----					

12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
Car	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	17.9	20	17.9	
15.61	Car	0	15.71	15.61	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	Car	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	Car	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	Car	12.53	
14.47	13.01	12.14	13.34	14.88	

16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
Car	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
10.82	0	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	11.82	11.8	
20	16.96	14.43	Car	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	Car	20	
17.9	20	14.3	Car	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	

6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	Car	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
6.62	0	14.3	20	Car	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	Car	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	Car	15.28	17.48	
0	12.68	14.87	17.48	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	

14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
Car	16.98	15.4	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	Car	14.87	17.48	20	
17.9	20	14.3	0	Car	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
Car	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	Car	7.4	
11.72	11.46	9.85	8.46	6.75	



0	8.92	8.47	7.52	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
Car	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
Car	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	Car	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
5.7	0	14.3	20	17.9	
Car	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	

10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	Car	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
17.9	Car	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	Car	11.72	
0	7.52	8.47	8.92	0	
Car	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
6.61	0	-0.1	Car	11.15	
7.45	7.75	0	10.57	12.51	

8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	Car	
17.9	20	14.3	0	11.16	
Car	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	11.16	
15.61	Car	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
16.44	0	-0.1	0	11.64	
18.38	15.57	0	Car	13.05	
21.78	19.46	17.01	15.01	15.29	
25.52	22.32	19.46	16.94	17.63	

30	25.52	21.78	18.7	20	
-----					
11.65	0	-0.1	0	16.94	
-----					
13.05	12.16	0	Car	18.93	
-----					
15.23	15.41	17.52	20.04	22.42	
-----					
17.44	17.44	20.04	22.98	26.27	
-----					
20	19.18	22.42	26.27	30	
-----					
6.61	0	-0.1	0	11.15	
-----					
7.45	7.75	0	10.57	12.51	
-----					
8.55	9.97	11.53	13.25	Car	
-----					
8.93	11.48	13.25	15.25	17.47	
-----					
0	12.67	14.87	17.47	20	
-----					
6.62	0	14.3	20	17.9	
-----					
7.47	7.77	0	15.71	15.61	
-----					
8.57	10.0	11.59	13.59	14.93	
-----					
8.95	11.5	13.28	Car	17.48	
-----					
0	12.68	14.87	17.48	20	
-----					
17.9	20	17.9	20	Car	
-----					
15.61	15.71	0	15.71	15.61	
-----					
13.55	13.36	10.41	13.36	13.55	
-----					
11.72	11.46	9.86	11.46	11.72	
-----					
0	8.93	8.6	8.93	0	
-----					
6.61	0	-0.1	0	11.15	

Car	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	Car	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
5.7	0	14.3	20	Car	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
5.7	0	14.3	20	17.9	
Car	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	Car	
14.57	13.54	11.3	9.72	8.33	

16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
26.9	30	22.4	20	17.9	
23.52	23.62	0	15.71	15.61	
20.46	20.16	15.77	13.85	13.64	
17.76	17.37	14.99	Car	12.05	
0	13.57	12.95	11.56	0	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	Car	14.45	12.32	0	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	Car	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	Car	17.48	
20	16.98	15.4	17.48	20	

5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	Car	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
16.44	0	-0.1	0	Car	
18.38	15.57	0	11.88	13.05	
21.78	19.46	17.01	15.01	15.29	
25.52	22.32	19.46	16.94	17.63	
30	25.52	21.78	18.7	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	Car	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
Car	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	17.9	20	17.9	

15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	Car	8.93	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	Car	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	Car	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	Car	
11.65	0	-0.1	0	16.94	
13.05	12.16	0	16.03	18.93	
15.23	15.41	17.52	20.04	22.42	



17.44	17.44	20.04	22.98	26.27	
20	Car	22.42	26.27	30	
10.86	Car	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	14.3	0	11.16	
15.61	Car	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	Car	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	Car	

Car	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	Car	17.47	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	Car	17.48	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	Car	15.4	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	

8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	Car	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	Car	
0	8.92	8.47	7.52	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	Car	
16.44	0	14.3	20	17.9	
18.38	Car	0	15.71	15.61	
21.78	19.46	17.02	15.09	13.86	
25.52	22.32	19.46	16.95	13.34	
30	25.52	21.78	18.63	0	
17.9	20	22.4	30	26.9	
15.61	15.71	0	23.62	23.52	
13.64	13.85	15.77	Car	20.46	
12.05	12.98	14.99	17.37	17.76	

0	11.56	12.95	13.57	0	
10.86	Car	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
11.01	0	21.5	30	26.9	
12.35	10.79	0	23.62	23.52	
14.59	13.59	15.79	20.17	20.46	
17.01	15.04	15.18	17.38	17.76	
20	Car	14.88	13.75	0	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
Car	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
0	19.18	22.42	26.27	30	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	Car	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	

10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	Car	8.29	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
10.82	0	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	11.82	Car	
20	16.96	14.43	12.42	0	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
Car	7.52	8.47	8.92	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
Car	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	

13.57	13.5	11.87	Car	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
20	Car	14.43	12.29	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	Car	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	5.7	
15.61	Car	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
6.61	0	-0.1	0	Car	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	

0	12.67	14.87	17.47	20	
-----					
Car	0	-0.1	0	6.39	
-----					
12.13	10.25	0	7.51	7.22	
-----					
14.43	12.86	11.19	9.67	8.29	
-----					
16.96	14.8	12.86	11.14	8.66	
-----					
20	16.96	14.43	12.29	0	
-----					
Car	0	21.5	30	26.9	
-----					
9.98	10.45	0	23.62	23.52	
-----					
11.39	13.41	15.79	20.17	20.46	
-----					
10.49	13.29	15.25	17.42	18.11	
-----					
0	13.35	15.37	17.67	20	
-----					
17.9	20	Car	20	17.9	
-----					
15.61	15.71	0	15.71	15.61	
-----					
13.55	13.36	10.41	13.36	13.55	
-----					
11.72	11.46	9.86	11.46	11.72	
-----					
0	8.93	8.6	8.93	0	
-----					
10.86	0	Car	0	11.17	
-----					
12.18	10.36	0	10.63	12.53	
-----					
14.47	13.01	12.14	13.34	14.88	
-----					
16.98	14.89	13.71	15.29	17.48	
-----					
20	16.98	15.4	17.48	20	
-----					
17.9	20	14.3	0	5.7	

-----					
15.61	15.71	0	6.79	6.45	
-----					
13.55	13.36	10.41	8.77	7.4	
-----					
11.72	11.46	9.85	8.46	6.75	
-----					
Car	8.92	8.47	7.52	0	
-----					
-----					
17.9	Car	14.3	0	11.16	
-----					
15.61	15.71	0	10.59	12.51	
-----					
13.57	13.5	11.87	13.29	14.87	
-----					
11.81	11.88	13.29	15.25	17.47	
-----					
0	12.74	14.87	17.47	20	
-----					
-----					
17.9	20	14.3	0	11.16	
-----					
15.61	15.71	0	10.59	12.51	
-----					
13.57	13.5	11.87	Car	14.87	
-----					
11.81	11.88	13.29	15.25	17.47	
-----					
0	12.74	14.87	17.47	20	
-----					
-----					
5.7	0	14.3	20	17.9	
-----					
6.45	6.79	0	Car	15.61	
-----					
7.4	8.77	10.41	13.36	13.55	
-----					
6.75	8.46	9.85	11.46	11.72	
-----					
0	7.52	8.47	8.92	0	
-----					
-----					
17.9	20	17.9	20	17.9	
-----					
15.61	15.71	0	15.71	15.61	
-----					
13.55	13.36	10.41	13.36	Car	



11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
Car	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
10.22	0	14.3	20	17.9	
11.47	11.87	0	17.3	19.16	
13.1	Car	17.5	20.04	22.42	
13.62	17.42	20.04	22.98	26.27	
0	19.18	22.42	26.27	30	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	Car	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
10.22	0	14.3	20	17.9	
11.47	11.87	0	17.3	19.16	
13.1	15.2	17.5	20.04	22.42	
13.62	17.42	20.04	22.98	26.27	
0	19.18	22.42	Car	30	

17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
13.93	Car	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
0	19.18	22.42	26.27	30	
26.9	30	21.5	Car	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	15.21	15.43	17.49	
0	13.99	15.23	17.49	20	
6.62	0	14.3	20	17.9	
Car	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	Car	17.47	
0	12.74	14.87	17.47	20	
6.62	0	14.3	20	17.9	

7.47	7.77	0	15.71	15.61	
8.57	10.0	Car	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	Car	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
10.82	0	-0.1	0	Car	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	Car	17.48	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	

16.98	14.89	13.71	15.29	17.48	
20	Car	15.4	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	Car	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
26.9	30	22.4	20	17.9	
23.52	23.62	0	15.71	15.61	
20.46	20.16	Car	13.85	13.64	
17.76	17.37	14.99	12.98	12.05	
0	13.57	12.95	11.56	0	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
Car	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	Car	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	

17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	Car	
20	16.98	14.45	12.32	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	Car	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	Car	17.47	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	Car	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	

13.57	Car	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
10.82	Car	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	11.82	11.8	
20	16.96	14.43	12.42	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	Car	17.48	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	Car	12.32	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	Car	
11.72	11.46	9.85	8.46	6.75	

0	8.92	8.47	7.52	0	
17.9	20	14.3	0	6.43	
15.61	Car	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	Car	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	Car	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	Car	11.19	8.7	
20	16.98	14.45	12.32	0	

17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	Car	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	Car	
0	12.67	14.87	17.47	20	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
Car	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
Car	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
10.86	0	-0.1	0	11.17	
Car	10.36	0	10.63	12.53	



14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.61	0	-0.1	0	Car	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.62	0	14.3	Car	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
5.7	0	14.3	20	17.9	
6.45	Car	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
Car	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	

0	12.67	14.87	17.47	20	
-----					
6.61	0	-0.1	0	11.15	
-----					
7.45	7.75	0	10.57	12.51	
-----					
Car	9.97	11.53	13.25	14.87	
-----					
8.93	11.48	13.25	15.25	17.47	
-----					
0	12.67	14.87	17.47	20	
-----					
10.22	0	14.3	20	Car	
-----					
11.47	11.87	0	17.3	19.16	
-----					
13.1	15.2	17.5	20.04	22.42	
-----					
13.62	17.42	20.04	22.98	26.27	
-----					
0	19.18	22.42	26.27	30	
-----					
6.61	0	-0.1	0	11.15	
-----					
7.45	7.75	0	Car	12.51	
-----					
8.55	9.97	11.53	13.25	14.87	
-----					
8.93	11.48	13.25	15.25	17.47	
-----					
0	12.67	14.87	17.47	20	
-----					
17.9	20	14.3	0	6.43	
-----					
15.61	15.71	0	7.55	7.26	
-----					
14.57	13.54	11.3	9.72	8.33	
-----					
16.98	14.87	12.92	11.19	8.7	
-----					
20	16.98	14.45	12.32	Car	
-----					
6.62	0	14.3	20	17.9	

7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	Car	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
Car	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
0	19.18	22.42	26.27	30	
10.86	0	-0.1	Car	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	Car	20	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	Car	
13.55	13.36	10.41	8.77	7.4	

11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	Car	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	Car	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
Car	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	Car	17.48	20	

6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	Car	17.47	
0	12.67	14.87	17.47	20	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	Car	
6.61	0	-0.1	0	11.15	
Car	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
10.86	0	-0.1	0	11.17	
Car	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	14.3	Car	5.7	

15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	Car	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	15.21	15.43	17.49	
Car	13.99	15.23	17.49	20	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	13.36	Car	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	

16.96	14.8	Car	11.14	8.66	
20	16.96	14.43	12.29	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	Car	
17.9	20	14.3	0	5.7	
15.61	Car	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	Car	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	Car	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	

Car	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	Car	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	Car	
0	12.67	14.87	17.47	20	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
Car	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
6.61	0	-0.1	0	Car	
7.45	7.75	0	10.57	12.51	



8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	Car	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	Car	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
17.9	Car	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	Car	11.14	8.66	

20	16.96	14.43	12.29	0	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
13.93	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
Car	19.18	22.42	26.27	30	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	Car	
8.88	0	21.5	Car	26.9	
9.98	10.45	0	23.62	23.52	
11.39	13.41	15.79	20.17	20.46	
10.49	13.29	15.25	17.42	18.11	
0	13.35	15.37	17.67	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	Car	
0	12.67	14.87	17.47	20	

Car	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	Car	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	Car	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
13.93	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
0	Car	22.42	26.27	30	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	

Car	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	Car	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	Car	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
6.61	0	-0.1	0	11.15	
7.45	Car	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	

0	12.67	14.87	Car	20	
-----					
10.82	0	-0.1	0	6.39	
-----					
Car	10.25	0	7.51	7.22	
-----					
14.43	12.86	11.19	9.67	8.29	
-----					
16.96	14.8	12.86	11.14	8.66	
-----					
20	16.96	14.43	12.29	0	
-----					
17.9	20	14.3	0	9.9	
-----					
18.61	16.85	0	11.52	11.12	
-----					
21.78	19.46	16.99	14.75	12.71	
-----					
25.52	22.32	19.46	16.91	13.22	
-----					
30	25.52	21.78	Car	0	
-----					
6.61	0	-0.1	Car	11.15	
-----					
7.45	7.75	0	10.57	12.51	
-----					
8.55	9.97	11.53	13.25	14.87	
-----					
8.93	11.48	13.25	15.25	17.47	
-----					
0	12.67	14.87	17.47	20	
-----					
5.7	0	14.3	20	17.9	
-----					
6.45	6.79	0	15.71	15.61	
-----					
7.4	Car	10.41	13.36	13.55	
-----					
6.75	8.46	9.85	11.46	11.72	
-----					
0	7.52	8.47	8.92	0	
-----					
16.44	0	-0.1	0	11.64	

Car	15.57	0	11.88	13.05	
21.78	19.46	17.01	15.01	15.29	
25.52	22.32	19.46	16.94	17.63	
30	25.52	21.78	18.7	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	Car	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	Car	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	Car	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	Car	11.87	13.29	14.87	

11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
8.88	0	21.5	30	26.9	
9.98	10.45	0	23.62	23.52	
11.39	13.41	15.79	20.17	20.46	
10.49	13.29	15.25	17.42	18.11	
Car	13.35	15.37	17.67	20	
6.61	0	-0.1	0	11.15	
7.45	Car	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
17.9	20	17.9	20	17.9	
15.61	15.71	0	Car	15.61	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	Car	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	

6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
Car	12.68	14.87	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	Car	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	Car	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
13.93	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	Car	
0	19.18	22.42	26.27	30	
6.61	0	-0.1	0	11.15	



7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	Car	17.47	
0	12.67	14.87	17.47	20	
17.9	20	14.3	0	5.7	
15.61	Car	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	Car	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
17.9	20	14.3	0	Car	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
Car	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	

16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	Car	
20	16.98	15.4	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	Car	14.87	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	Car	
0	12.67	14.87	17.47	20	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	15.21	15.43	Car	
0	13.99	15.23	17.49	20	

10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	Car	
17.9	20	14.3	0	5.7	
15.61	15.71	0	Car	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	Car	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
10.82	0	14.3	20	Car	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	11.82	11.8	
20	16.96	14.43	12.42	0	
16.44	Car	14.3	20	17.9	
18.38	15.57	0	15.71	15.61	

21.78	19.46	17.02	15.09	13.86	
25.52	22.32	19.46	16.95	13.34	
30	25.52	21.78	18.63	0	
26.9	30	21.5	0	8.88	
23.52	23.62	0	Car	9.98	
20.46	20.17	15.79	13.4	11.39	
18.11	17.42	15.23	13.26	10.49	
20	17.44	15.2	13.23	0	
6.62	0	Car	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	Car	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
6.62	0	14.3	20	17.9	
7.47	Car	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	

0	12.68	14.87	17.48	20	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
Car	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
0	19.18	22.42	26.27	30	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	Car	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	Car	11.72	
0	7.52	8.47	8.92	0	
17.9	20	17.9	20	17.9	
15.61	15.71	0	15.71	15.61	
Car	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	

6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
Car	12.67	14.87	17.47	20	
Car	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
26.9	30	21.5	0	Car	
23.52	23.62	0	10.45	9.98	
20.46	20.17	15.79	13.4	11.39	
18.11	17.42	15.23	13.26	10.49	
20	17.44	15.2	13.23	0	
5.7	0	Car	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
10.82	0	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	

14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	11.82	11.8	
Car	16.96	14.43	12.42	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
Car	12.67	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	Car	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
Car	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	Car	14.97	
17.76	17.39	15.21	15.43	17.49	

0	13.99	15.23	17.49	20	
-----					
17.9	20	14.3	0	11.16	
-----					
15.61	15.71	0	10.59	12.51	
-----					
13.57	13.5	11.87	13.29	14.87	
-----					
Car	11.88	13.29	15.25	17.47	
-----					
0	12.74	14.87	17.47	20	
-----					
10.86	0	-0.1	0	11.17	
-----					
12.18	10.36	0	10.63	12.53	
-----					
14.47	13.01	12.14	13.34	14.88	
-----					
16.98	Car	13.71	15.29	17.48	
-----					
20	16.98	15.4	17.48	20	
-----					
17.9	20	14.3	0	9.9	
-----					
18.61	16.85	0	11.52	11.12	
-----					
21.78	19.46	16.99	14.75	12.71	
-----					
25.52	22.32	19.46	16.91	13.22	
-----					
30	25.52	21.78	Car	0	
-----					
11.65	0	-0.1	0	16.94	
-----					
13.05	12.16	0	16.03	18.93	
-----					
15.23	15.41	17.52	20.04	22.42	
-----					
17.44	17.44	20.04	22.98	Car	
-----					
20	19.18	22.42	26.27	30	
-----					
5.7	0	14.3	20	17.9	



6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	Car	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	Car	15.25	17.47	
0	12.67	14.87	17.47	20	
10.82	0	14.3	20	17.9	
12.14	10.28	0	15.71	15.61	
14.43	12.9	Car	13.47	13.57	
16.96	14.8	12.9	11.82	11.8	
20	16.96	14.43	12.42	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	Car	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	

Car	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	Car	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
Car	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
Car	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	Car	11.14	8.66	
20	16.96	14.43	12.29	0	

6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	Car	14.87	17.48	20	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	Car	8.66	
20	16.96	14.43	12.29	0	
10.82	0	-0.1	Car	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
20	16.96	14.43	12.29	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	Car	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
26.9	30	21.5	0	8.88	

23.52	23.62	0	10.45	9.98	
20.46	20.17	15.79	13.4	11.39	
18.11	17.42	Car	13.26	10.49	
20	17.44	15.2	13.23	0	
17.9	20	14.3	Car	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
0	8.92	8.47	7.52	0	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	
Car	16.96	14.43	12.29	0	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	Car	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	Car	

8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	Car	15.25	17.47	
0	12.67	14.87	17.47	20	
10.86	0	-0.1	0	11.17	
Car	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	Car	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	14.3	0	9.9	
18.61	16.85	0	11.52	11.12	
21.78	19.46	Car	14.75	12.71	
25.52	22.32	19.46	16.91	13.22	
30	25.52	21.78	18.62	0	

17.9	20	14.3	0	6.43	
15.61	Car	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
17.9	Car	22.4	30	26.9	
15.61	15.71	0	23.62	23.52	
13.64	13.85	15.77	20.16	20.46	
12.05	12.98	14.99	17.37	17.76	
0	11.56	12.95	13.57	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	Car	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	Car	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	

8.57	10.0	11.59	13.59	14.93	
8.95	11.5	Car	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	Car	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
10.82	0	14.3	20	Car	
12.14	10.28	0	15.71	15.61	
14.43	12.9	11.56	13.47	13.57	
16.96	14.8	12.9	11.82	11.8	
20	16.96	14.43	12.42	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	Car	17.47	20	
10.82	Car	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	8.29	
16.96	14.8	12.86	11.14	8.66	

20	16.96	14.43	12.29	0	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
Car	7.52	8.47	8.92	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	Car	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	Car	12.32	0	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	15.21	15.43	17.49	
0	Car	15.23	17.49	20	



10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	Car	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	22.4	30	26.9	
15.61	15.71	0	23.62	23.52	
13.64	13.85	15.77	20.16	20.46	
12.05	12.98	14.99	17.37	17.76	
0	Car	12.95	13.57	0	
5.7	0	14.3	20	Car	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
6.62	0	14.3	Car	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	Car	15.61	

7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	Car	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	15.28	17.48	
Car	12.68	14.87	17.48	20	
11.01	0	21.5	30	26.9	
12.35	10.79	0	23.62	23.52	
14.59	13.59	15.79	20.17	20.46	
17.01	15.04	15.18	17.38	17.76	
20	Car	14.88	13.75	0	
10.22	0	14.3	20	17.9	
11.47	11.87	0	17.3	19.16	
13.1	15.2	17.5	20.04	22.42	
13.62	17.42	20.04	Car	26.27	

0	19.18	22.42	26.27	30	
-----					
11.65	0	-0.1	0	Car	
-----					
13.05	12.16	0	16.03	18.93	
-----					
15.23	15.41	17.52	20.04	22.42	
-----					
17.44	17.44	20.04	22.98	26.27	
-----					
20	19.18	22.42	26.27	30	
-----					
5.7	0	14.3	20	17.9	
-----					
6.45	6.79	0	15.71	15.61	
-----					
7.4	8.77	10.41	13.36	13.55	
-----					
6.75	8.46	9.85	11.46	11.72	
-----					
Car	7.52	8.47	8.92	0	
-----					
10.22	0	14.3	20	17.9	
-----					
11.47	11.87	0	17.3	19.16	
-----					
13.1	15.2	17.5	20.04	22.42	
-----					
13.62	17.42	20.04	22.98	Car	
-----					
0	19.18	22.42	26.27	30	
-----					
17.9	20	14.3	0	6.43	
-----					
15.61	15.71	0	7.55	7.26	
-----					
14.57	13.54	11.3	9.72	8.33	
-----					
16.98	14.87	12.92	11.19	Car	
-----					
20	16.98	14.45	12.32	0	
-----					
17.9	20	14.3	0	6.43	

15.61	15.71	0	7.55	7.26	
14.57	13.54	Car	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
17.9	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	Car	
17.9	20	14.3	0	6.43	
Car	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	15.21	15.43	Car	
0	13.99	15.23	17.49	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	

6.75	8.46	9.85	11.46	11.72	
0	7.52	Car	8.92	0	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	11.5	13.28	Car	17.48	
0	12.68	14.87	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	Car	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	Car	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	
13.57	13.5	Car	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	

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-----					
Car	0	-0.1	0	6.39	
-----					
12.13	10.25	0	7.51	7.22	
-----					
14.43	12.86	11.19	9.67	8.29	
-----					
16.96	14.8	12.86	11.14	8.66	
-----					
20	16.96	14.43	12.29	0	
-----					
-----					
6.62	0	14.3	20	17.9	
-----					
7.47	7.77	0	15.71	15.61	
-----					
8.57	10.0	11.59	13.59	14.93	
-----					
8.95	11.5	13.28	15.28	17.48	
-----					
0	12.68	14.87	Car	20	
-----					
-----					
17.9	20	14.3	0	11.16	
-----					
15.61	15.71	0	10.59	12.51	
-----					
13.57	13.5	11.87	13.29	14.87	
-----					
11.81	11.88	13.29	15.25	17.47	
-----					
Car	12.74	14.87	17.47	20	
-----					
-----					
6.61	0	-0.1	0	11.15	
-----					
7.45	7.75	0	10.57	12.51	
-----					
8.55	9.97	11.53	13.25	14.87	
-----					
8.93	11.48	13.25	15.25	17.47	
-----					
Car	12.67	14.87	17.47	20	
-----					
-----					
17.9	20	14.3	0	16.93	
-----					

15.61	15.71	0	16.03	18.93	
13.93	15.5	17.53	20.04	22.42	
13.71	17.45	20.04	22.98	26.27	
0	Car	22.42	26.27	30	
26.9	30	21.5	0	11.28	
23.52	23.62	0	10.96	12.65	
20.46	20.17	15.79	13.78	14.97	
17.76	17.39	Car	15.43	17.49	
0	13.99	15.23	17.49	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
7.4	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	Car	0	
16.44	0	14.3	20	17.9	
18.38	15.57	0	15.71	15.61	
21.78	19.46	Car	15.09	13.86	
25.52	22.32	19.46	16.95	13.34	
30	25.52	21.78	18.63	0	
6.61	0	-0.1	0	11.15	
7.45	Car	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	

8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
10.86	0	-0.1	0	11.17	
12.18	10.36	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	Car	15.4	17.48	20	
17.9	20	17.9	20	Car	
15.61	15.71	0	15.71	15.61	
13.55	13.36	10.41	13.36	13.55	
11.72	11.46	9.86	11.46	11.72	
0	8.93	8.6	8.93	0	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
Car	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	13.59	14.93	
8.95	Car	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	



6.62	0	14.3	20	17.9	
7.47	7.77	0	15.71	15.61	
8.57	10.0	11.59	Car	14.93	
8.95	11.5	13.28	15.28	17.48	
0	12.68	14.87	17.48	20	
6.61	0	Car	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	15.25	17.47	
0	12.67	14.87	17.47	20	
Car	20	14.3	0	6.43	
15.61	15.71	0	7.55	7.26	
14.57	13.54	11.3	9.72	8.33	
16.98	14.87	12.92	11.19	8.7	
20	16.98	14.45	12.32	0	
10.86	0	-0.1	0	11.17	
12.18	Car	0	10.63	12.53	
14.47	13.01	12.14	13.34	14.88	
16.98	14.89	13.71	15.29	17.48	
20	16.98	15.4	17.48	20	
17.9	20	14.3	0	11.16	
15.61	15.71	0	10.59	12.51	

Car	13.5	11.87	13.29	14.87	
11.81	11.88	13.29	15.25	17.47	
0	12.74	14.87	17.47	20	
17.9	20	14.3	0	16.93	
15.61	15.71	0	16.03	18.93	
13.93	15.5	17.53	20.04	22.42	
13.71	17.45	Car	22.98	26.27	
0	19.18	22.42	26.27	30	
6.61	0	-0.1	0	11.15	
7.45	7.75	0	10.57	12.51	
8.55	9.97	11.53	13.25	14.87	
8.93	11.48	13.25	Car	17.47	
0	12.67	14.87	17.47	20	
5.7	0	14.3	20	17.9	
6.45	6.79	0	15.71	15.61	
Car	8.77	10.41	13.36	13.55	
6.75	8.46	9.85	11.46	11.72	
0	7.52	8.47	8.92	0	
10.82	0	-0.1	0	6.39	
12.13	10.25	0	7.51	7.22	
14.43	12.86	11.19	9.67	Car	
16.96	14.8	12.86	11.14	8.66	

20	16.96	14.43	12.29	0	
17.9	20	14.3	0	5.7	
15.61	15.71	0	6.79	6.45	
13.55	13.36	10.41	8.77	7.4	
11.72	11.46	9.85	8.46	6.75	
Car	8.92	8.47	7.52	0	

There was a premium and a regular customer generated 179 times  
The fraction of selction of premium over regular was 92 / 179 ,  
0.5139664804469274

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