

200356A

Lab12

Q1.)

	0	1	2	3	4	5
0	0	10	0	0	15	5
1	10	0	10	30	0	0
2	0	10	0	12	5	0
3	0	30	12	0	0	20
4	15	0	5	0	0	0
5	5	0	0	20	0	0

Q2.)

```
distances from 0 town to others
town      distance
1          10
2          20
3          25
4          15
5           5
```

```
distances from 1 town to others
town      distance
0          10
2          10
3          22
4          15
5          15
|
```

```
distances from 2 town to others
town      distance
0          20
1          10
3          12
4           5
5          25
avg is 14.4|
```

```
distances from 3 town to others
town      distance
0          25
1          22
2          12
4          17
5          20
```

```
distances from 4 town to others
town      distance
0          15
1          15
2           5
3          17
5          20
```

Q3.) We can select one of the towns from 1,2 and 4.

Town 0 = 15

Town 1 = 14.4

Town 2 = 14.4

Town 3 = 19.2

Town 4 = 14.4

Github link

<https://github.com/Dulan24/S4-CS2023-DSA-labs>

