N = 10

```
Enter the number of nodes: 10
Enter the number of edges within 9 and 45: 10
0 0 0 0 0 0 0 73 66
0 0 0 0 0 0 0 0 50
0 0 0 0 0 0 0 11 0 0
0 0 0 0 0 0 0 88 0 13
0 0 0 0 0 0 0 0 24 0
0 0 0 0 0 0 0 27 0 0
0 0 0 0 0 0 0 0 61 0
0 0 11 88 0 27 0 0 0 74
73 0 0 0 24 0 61 0 0 0
66 50 0 13 0 0 0 74 0 0
Smallest edge weight is in between the nodes 2 and 7
Node with the largest number of links: 9
Node with the smallest sum of link weights: 2
Node with the largest sum of link weights: 9
```

N = 20

```
Enter the number of nodes: 20
Enter the number of edges within 19 and 190: 20
0 0 0 0 0 0 0 0 0 66 0 0 4 58 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 54 0 68
0 0 0 0 0 0 0 0 0 0 0 0 0 88 0 0 0 0 0 0 0
0 0 0 0 0 0 0 30 0 0 23 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 69 0 97 0 0 0 0 0 0 0 24 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 25 0 0 0 0 0 0 0 0 0 0
0 0 0 30 0 0 0 0 0 74 0 0 11 0 0 0 0 0 0 0
0 0 0 0 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
66 0 0 0 0 0 25 74 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 23 97 0 0 0 0 0 0 0 0 0 0 0 0 73 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 29 0 0 0 0 0
4 0 88 0 0 0 0 11 0 0 0 0 0 37 0 0 0 0 0 0
58 0 0 0 0 0 0 0 0 0 0 0 37 0 0 0 0 0 0 50
0 0 0 0 0 0 0 0 0 0 0 29 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 27 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 54 0 0 0 0 0 0 0 0 0 0 0 0 27 0 0 0 0
0 0 0 0 24 0 0 0 0 0 73 0 0 0 0 0 0 0 0 17
0 68 0 0 0 0 0 0 0 0 0 0 0 50 0 0 0 0 17 0
Smallest edge weight is in between the nodes 0 and 12
Node with the largest number of links: 19
Node with the smallest sum of link weights: 6
Node with the largest sum of link weights: 10
```