

LAB 05 report Sasubilli Yuwan cs20b070

≡ input.txt

```
1 8 20
2 1 2 4 7
3 7 0 3 6
4 4 3 1 10
5 2 7 2 5
6 5 3 1 4
7 3 0 4 7
8 0 2 6 8
9 2 4 4 10
10 3 7 2 9
11 6 1 4 7
12 3 2 1 10
13 7 6 4 9
14 2 6 6 7
15 5 1 3 6
16 4 5 2 8
17 5 7 2 9
18 4 6 3 8
19 4 1 5 7
20 7 4 4 6
21 0 6 5 9
```

The results for the router0

The paths are printed line by line.

Then the destination and costs are printed following them.

```

Time stamp for router_0 is Mon May  1 19:46:03 2023
end
0 -> 3 -> 4 -> 1 -> end
0 -> 2 -> end
0 -> 3 -> end
0 -> 3 -> 4 -> end
0 -> 3 -> 5 -> end
0 -> 6 -> end
0 -> 7 -> dest    distance    path
1                12
2                 8
3                 5
4                 6
5                 8
6                 9
7                 6

```

Router 5 output is another example.

```

Time stamp for router_5 is Mon May  1 19:46:25 2023
end
5 -> 7 -> 0 -> end
5 -> 1 -> end
5 -> 3 -> 2 -> end
5 -> 3 -> end
5 -> 4 -> end
5 -> 4 -> 6 -> end
5 -> 7 -> dest    distance    path
0                8
1                 4
2                 7
3                 4
4                 2
6                 5
7                 5

```

Topology for router 5 for the above output unweighted

