

OUTPUTS FOR DVR AND LSR PROGRAMS:

DVR OUTPUT:

```
C:\Users\sudha\OneDrive\Desktop\cn-lab-ass5\DVR.exe
4 5
1 2 2
2 3 3
3 4 11
4 1 1
2 4 7

For DVR,

Routing table at node 1
  dest  next  totalcost
  1      1      0
  2      2      2
  3      2      5
  4      4      1

Routing table at node 2
  dest  next  totalcost
  1      1      2
  2      2      0
  3      3      3
  4      1      3

Routing table at node 3
  dest  next  totalcost
  1      2      5
  2      2      3
  3      3      0
  4      2      6

Routing table at node 4
  dest  next  totalcost
  1      1      1
  2      1      3
  3      1      6
  4      4      0

Process returned 0 (0x0)   execution time : 20.058 s
Press any key to continue.
```

LSR OUTPUT:

```
C:\Users\sudha\OneDrive\Desktop\cn-lab-ass5\LSR.exe
4 5
1 2 2
2 3 3
3 4 11
4 1 1
2 4 7

For LSR,

at node 1
  dest  totalcost  path
  1      0        1->1
  2      2        1->2
  3      5        1->2->3
  4      1        1->4

at node 2
  dest  totalcost  path
  1      2        2->1
  2      0        2->2
  3      3        2->3
  4      3        2->1->4

at node 3
  dest  totalcost  path
  1      5        3->2->1
  2      3        3->2
  3      0        3->3
  4      6        3->2->1->4

at node 4
  dest  totalcost  path
  1      1        4->1
  2      3        4->1->2
  3      6        4->1->2->3
  4      0        4->4

Process returned 0 (0x0)   execution time : 18.631 s
Press any key to continue.
```

Modification question outputs for 8 testcases given in pdf itself at last:

TC1:

```
ubuntu@PS1:~$ ./a.out
4 4
0 1 3
1 2 4
2 3 12
0 2 33
0
-1
ubuntu@PS1:~$
```

TC2:

```
ubuntu@PS1:~$ ./a.out
4 4
0 1 3
1 2 4
2 3 12
0 2 33
3
-1
```

TC3:

```
ubuntu@PS1:~$ ./a.out
4 4
0 1 33
1 2 4
2 3 12
0 2 3
1
15
```

TC4:

```
ubuntu@PS1:~$ ./a.out
4 4
0 1 1
1 3 3
2 3 4
0 2 2
1
6
```

TC5:

```
ubuntu@PS1:~$ ./a.out
4 4
0 1 1
1 3 3
2 3 4
0 2 2
2
5
```

TC6:

```
ubuntu@PS1:~$ ./a.out
5 5
0 1 1
1 2 2
2 3 3
1 3 10
3 4 4
2
15
```

TC7:

```
ubuntu@PS1:~$ ./a.out
4 3
0 1 1
1 2 1
2 3 1
0
-1
```

TC8:

```
ubuntu@PS1:~$ ./a.out
4 4
0 1 3
1 2 4
2 3 12
0 2 33
0
-1
```