Report for CS3205 Lab 5: OSPF

The following topologies were attempted, described in the format prescribed by the problem statement.

Topology 1: Static graph

```
0 1 4 4
0 6 3 3
1 2 6 6
1 3 1 1
1 7 8 8
2 4 7 7
2 7 5 5
2 6 3 3
3 4 8 8
3 5 6 6
3 6 3 3
4 5 5 5
4 7 2 2
5 6 9 9
5 7 7 7
6 7 6 6
```

All the links have fixed costs, as each link's minimum weight equals its maximum weight. Hence, routing tables do not change with time. The routing tables of all 8 routers follow.

Routing table Destination 1 2 3 4 5 6 7	for Node Path 0-1 0-2 0-2-3 0-2-4 0-2-3-5 0-6 0-2-7	No. 0 at Cost 4 1 3 8 9 3	Time 20	Routing table Destination 0 2 3 4 5 6 7	for Node Path 1-0 1-3-2 1-3 1-4 1-3-5 1-3-6 1-7	No. 1 at Cost 4 3 1 9 7 4	Time 20
Routing table Destination 0 1 3 4 5	for Node Path 2-0 2-3-1 2-3 2-4 2-3-5 2-6 2-7	No. 2 at Cost 1 3 2 7 8 3 5	Time 20	Routing table Destination 0 1 2 4 5 6	for Node Path 3-2-0 3-1 3-2 3-4 3-5 3-6 3-2-7	No. 3 at Cost 3 1 2 8 6 3 7	Time 20
Routing table Destination 0 1 2 3 5	for Node Path 4-2-0 4-1 4-2 4-3 4-5 4-7-6 4-7	No. 4 at Cost 8 9 7 8 5 8	Time 20	Routing table Destination 0 1 2 3 4 6	for Node Path 5-3-2-0 5-3-1 5-3-2 5-3 5-4 5-6 5-7	No. 5 at Cost 9 7 8 6 5 9	Time 20
Routing table Destination 0 1 2 3 4 5	for Node Path 6-0 6-3-1 6-2 6-3 6-7-4 6-5	No. 6 at Cost 3 4 3 3 8 9 6	Time 20	Routing table Destination 0 1 2 3 4 5	for Node Path 7-2-0 7-1 7-2 7-2-3 7-4 7-5 7-6	No. 7 at Cost 6 8 5 7 2 7 6	Time 20

Topology 2: Links with noisy weights

Links are now given different minimum and maximum possible weights so that their weights would no longer be fixed. The topology for this case is as follows.

```
10 25
0 1 4 6
0 3 2 3
0 4 5 7
1 4 2 6
2 3 1 3
2 5 4 5
2 6 4 6
2 7 1 3
2 8 5 8
3 4 5 6
3 8 9 10
3 9 3 5
4 6 4 6
4 8 1 2
4 9 3 6
5 7 1 3
5 9 2 6
6 7 3 4
6 8 5 6
6 9 6 9
7 8 4 5
8 9 1 4
4 5 3 6
1 8 4 7
0 9 5 8
```

The routing tables for each of the ten routers are as follows. Three instances of each routing table are provided to show variation with time.

Pouting table	for Nodo No	0 at Time 20	Danting table	for Node N	l- 1 -+ Tim- 20
Routing table Destination	Path	Cost	Destination	Path	lo. 1 at Time 20 Cost
	0-1	5		1-0	
2	0-1 0-3-2	6	0		5
3	0-3-2	3	2	1-8-2	9
4	0-3	5	3 4	1-0-3	8
				1-4	5
5	0-4-5	10	5	1-8-9-5	8
6	0-4-6	10	6	1-8-6	9
7	0-3-2-7	7	7	1-8-7	9
8	0-4-8	7	8	1-8	4
9	0-3-9	7	9	1-8-9	5
Routing table					lo. 1 at Time 40
Destination	Path	Cost	Destination	Path	Cost
1	0-1	4	0	1-0	4
2	0-3-2	5	2	1-4-8-2	9
3	0-3	2	3	1-0-3	6
4 5	0-4	7	4	1-4	3
5	0-3-2-7-5	8	5	1-4-5	9
6	0-3-2-6	9	6	1-4-6	8
7	0-3-2-7	7	7	1-4-8-7	9
8	0-4-8	8	8	1-4-8	4
9	0-9	5	9	1-4-9	8
Routing table	for Node No	. 0 at Time 60			lo. 1 at Time 60
Destination	Path	Cost	Destination	Path	Cost
1	0-1	5	0	1-0	5
2	0-3-2	6	2	1-8-2	10
	0-3	3	3	1-0-3	8
4	0 - 4	6	4	1-4	6
5	0-3-2-5	10	5	1-4-5	10
6	0-3-2-6	10	6	1-8-6	11
7	0-3-2-7	9	7	1-8-7	9
8	0-4-8	8	8	1-8	5
9	0-3-9	7	9	1-8-9	6

Routing table	for Node	No. 2 at	Time 20	Routing table	for Node I	No. 3 at	Time	20
Destination	Path	Cost	11110 20	Destination	Path	Cost	1 1 1110	
0	2-3-0	6		0	3-0	3		
1	2-8-1	9		1	3-0-1	9		
3	2-3	3		2	3-2	3		
4	2-8-4	7		4	3-4	5		
5	2-5	4		5	3-2-7-5	7		
6	2-7-6	5		6	3-2-7-6	8		
7	2-7	1		7	3-2-7	4		
8	2-8	5		8	3-9-8	5		
9	2-8-9	6		9	3-9	4		
Routing table	for Node	No. 2 at	Time 40	Routing table	for Node I	No. 3 at	Time	40
Destination	Path	Cost		Destination	Path	Cost		
0	2-3-0	5		0	3-0	2		
1	2-3-0-1	9		1	3-0-1	7		
3	2-3	3		2	3-2	3		
4	2-8-4	6		4	3-4	6		
5	2-7-5	3		5	3-2-7-5	5		
6	2-6	4		6	3-2-7-6	7		
7	2-7	2		7	3-2-7	4		
8	2-8	5		8	3-4-8	7		
9	2-3-9	8		9	3-9	5		
Routing table	for Node	No. 2 at	Time 60	Routing table	for Node I	No. 3 at	Time	60
Destination	Path	Cost		Destination	Path	Cost		
0	2-3-0	6		0	3-0	3		
1	2-8-1	10		1	3-0-1	7		
3	2-3	3		2	3-2	3		
4	2-8-4	7		4	3-4	5		
5	2-5	4		5	3-2-5	7		
6	2-6	4		6	3-2-6	7		
7	2-7	3		7	3-2-7	6		
8	2-8	5		8	3-9-8	5		
9	2-8-9	6		9	3-9	4		

Routing table	for Node	No 4 at	Time 20	Routing table	for Node No	5 at Time 20
Destination	Path	Cost	TIME 20	Destination	Path	Cost
0	4-0	5		0	5-9-0	9
1	4-1	3		1	5-9-8-1	8
2	4-8-2	7		2	5-2	4
3	4-3	5		3	5-9-3	7
5	4-5	5		4	5-4	5
6	4-6	5		6	5-7-6	7
7	4-8-7	7		7	5-7-0	3
8	4-8	2		8	5-9-8	4
9	4-9	3		9	5-9-0	3
3	4-3	3		9	3-3	3
Routing table	for Node	No 4 at	Time 40	Routing table	for Node No	5 at Time 40
Destination	Path	Cost	TIME 40	Destination	Path	Cost
0	4-0	7		0	5-7-2-3-0	7
1	4-1	3		1	5-4-1	10
2	4-1	6		2	5-7-2	2
3	4-0-2	6		3	5-7-2-3	5
5	4-5 4-5	6		4	5-7-2-3	6
6	4-6	4		6	5-7-6	4
7	4-8-7	6		7	5-7	1
8	4-8	1		8	5-7-8	6
9	4-8	5		9	5-7-0	6
9	4-9	J		9	7-9	U
Routing table	for Node	No 4 at	Time 60	Routing table	for Node No	5 at Time 60
Destination	Path	Cost	TIME 00	Destination	Path	Cost
0	4-0	6		0	5-2-3-0	10
1	4-0	6		1	5-4-1	9
2	4-8-2	7		2	5-4-1	4
	4-0-2	5		3	5-2-3	7
3 5	4-5	4		4	5-2-3	4
6	4-6	6		6	5-7-6	4
7	4-5-7	5		7	5-7-0	1
8	4-3-7	2		8	5-7-8	5
9	4-8-9	3		9	5-9	4
3	4-0-3	5		3	3-3	4

Destination Path Cost Destination Path Cost 0 6.4-0 10 0 7-2-3-0 7 1 6.81 9 1 7-2-3-0 7 2 6.7-2 4 2 7-2 1 3 6.7-2.3 7 3 7-2-3 4 4 6.4 5 4 7.8-4 7 5 6.7-5 6 5 7.5 3 6 6.8 5 8 7-8 5 9 6-9 6 9 7-5-9 6 Routing table for Node No. 6 at Time 40 Routing table for Node No. 7 at Time 40 Destination Path Cost Cost 0 6.2-3.0 9 0 7-2-3.0 7 1 Time 40 Destination Path Cost 0 1 7-8-4-1 9 1 7-8-4-1 9 1 7-8-4-1 9 1 7-8-4-1 9 1 7-8-4-1	Routing table	for Node No	. 6 at Time 20	Routing table	for Node No	. 7 at Time 20
0 6-4-0 10 0 7-2-3-0 7 1 6-8-1 9 1 7-8-1 9 2 6-7-2 4 2 7-2-3 4 3 6-7-2-3 7 3 7-2-3 4 4 6-4 5 4 7-8-4 7 5 6-7-5 6 7 5 3 8 6-8 5 8 7-8 5 9 6-9 6 9 7-5-9 6 Routing table for Node No. 6 at Time 40 Routing table for Node No. 7 at Time 40 Destination Path Cost 0 6-2-3-0 9 9 7-2-3-0 7 1 6-4-1 9 1 7-8-4-1 9 2 6-2 4 2 7-2-3-0 7 4 6-4 6 4 7-8-4-1 9 2 6-7-5 4 7-8-4-1 9 3 6-2-3 7 3 7-8-4 6 5 7-5 1 7-5-9<						
1 6-0-1 9 1 7-0-1 9 2 6-7-2 4 2 7-2 1 3 7-2-3 4 4 6-4 5 5 4 7-8-4 7 5 6-7-5 6 6 7-6 3 8 6-8 5 9 6-9 6 8 7-5-9 6 7 7-5-9 6 7 8 6-2-3-0 9 1 7-8-4 1 9 2 7-2-3 0 7 8 6-8 6-8 6-8 6-8 6-8 6-8 6-8 6-8 6-8 6						
2 6-7-2 4 3 7-2-3 7 4 7-2-3 4 7-2-3 4 4 7-2-3 4 4 7-5-5 6 6-7-5 6 6 7-5 6 7-5 3 8 6-8 5 9 7-5-9 6 8 8 7-8 5 9 8 8 7-8 9 8 8 8 7-8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						
3						
4 6-4 5 7-8-4 7 5 6-7-5 6 7-5 3 6 6-7-5 3 6 7-6 3 8 6-8 5 9 6-9 6 9 7-5-9 6 Routing table for Node No. 6 at Time 40 Destination Path Cost 0 6-2-3-0 9 1 7-8-4-1 9 2 6-2 4 2 7-2 2 3 6-2-3 7 3 7-2-3 5 4 6-4 6 6 7-5 4 5 7-5 1 7 6-7 3 8 7-8 5 9 7-5-9 7 Routing table for Node No. 6 at Time 60 Destination Path Cost 0 6-2-3-0 10 0 7-2-3-0 9 Routing table for Node No. 6 at Time 60 Destination Path Cost 0 7-2-3-0 9 7-5-9 7 Routing table for Node No. 6 at Time 60 Destination Path Cost 0 7-2-3-0 9 7-5-9 7 Routing table for Node No. 6 at Time 60 Destination Path Cost 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2-3-0 10 7-2-3-0 9 1 7-8-1 9 2 7-2 3 3 7-2-3 6 4 6-4 5 7-5 4 7-5-4 5 5 7-5 1 7 6-7 3 6-7 3 6 7-5 1			7		7-2-3	4
5 6-7-5 6 5 7-5 3 7 6-7 3 8 7-6 3 8 6-8 5 8 7-8 5 9 6-9 6 9 7-5-9 6 Routing table for Node No. 6 at Time 40 Routing table for Node No. 7 at Time 40 Destination Path Cost 0 7-2-3-0 7 1 6-4-1 9 1 7-2-3-0 7 1 6-4-1 9 1 7-8-4-1 9 2 6-2 4 2 7-2 2 3 6-2-3 7 3 7-2-3 5 4 6-4 6 4 7-8-4 6 5 6-7-5 4 7-8-4 6 3 8 6-8 6 7-8 5 7 7 8 6-9 8 7-8 5 7 9 7 7 7 9 7 7 9 7 9 7 9 7 </td <td></td> <td></td> <td>5</td> <td></td> <td></td> <td></td>			5			
7 6-7 3 6-8 5 9 6-8 5 9 7-5-9 6 Routing table for Node No. 6 at Time 40 Destination Path Cost Destination Pat						
8 6-8 5 8 7-8 5 9 6-9 6 9 7-5-9 6 Routing table for Node No. 6 at Time 40 Destination Path Cost Destination Path Cost Destination Path Cost Destination Path Cost 0 6-2-3-0 9 0 7-2-3-0 7 1 6-4-1 9 1 7-8-4-1 9 2 6-2 4 2 7-2-3 5 4 6-4 6 4 7-8-4 6 5 6-7-5 4 5 7-5 1 7 6-7 3 8 7-8 5 9 6-8 6 8 7-8 5 9 7-5-9 7 7 7 7 7 8 6-8 6 8 7-8 5 7 9 7 9 6-9 8 7 8 5 9 7 9 7 9 7 9 7 9 1 7 8 1 9 9						
9 6-9 6 9 7-5-9 6 Routing table pestination Path Cost Routing table pestination Path Cost Path Cost Cost Path Cost Path Cost 0 6-2-3-0 9 0 7-2-3-0 7 1 6-4-1 9 1 7-8-4-1 9 2 6-2 4 2 7-2 2 3 6-2-3 7 3 7-2-3 5 4 6-4 6 4 7-8-4 6 5 6-7-5 4 4 7-8-4 6 6-7 3 6 7-6 3 8 6-8 6 7-8 5 9 7-5-9 7 Routing table for Node No. 6 at Time 60 Postination Path Cost Path Cost 0 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3		6-8			7-8	
Routing table for Node No. 6 at Time 40 Destination Path Cost 0 6-2-3-0 9 0 7-2-3-0 7 1 6-4-1 9 1 7-8-4-1 9 2 6-2 4 2 7-2 2 3 6-2-3 7 3 7-2-3 5 4 6-4 6 4 5 7-5-9 7 Routing table for Node No. 7 at Time 40 Destination Path Cost 0 7-2-3-0 7 1 7-8-4-1 9 1 7-8-4-1 9 1 7-8-4-1 9 1 7-8-4-1 9 1 7-8-4-1 6 1 7-8-4-1 6 1 7-8-4-1 6 1 7-8-4-1 6 1 7-8-4-1 6 1 7-8-4-1 6 1 7-8-4-1 6 1 7-8-4-1 6 1 7-8-1 9 1 7-8-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 7-2-3-0 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 7-2-3 6 4 6-4-1 9 1 7-8-1 9 2 7-2-3-0 6 3 7-2-3-0 6 4 6-4-1 9 1 7-8-1 9 2 7-2-3-0 6 3 7-2-3-0 6 4 6-4-1 5 7-5-4 5 5 7-5-1 7-5-4 5 5 6-7-5 4 7-5-4 5 5 7-5-1 1 7 6-7 3 6-7-5 4 7-6 3 8 6-8-6-7-5 4 7-6 3 8 7-8-6-7-5 4 7-6 3		6-9			7-5-9	
Destination Path Cost Destination Path Cost 0 6-2-3-0 9 0 7-2-3-0 7 1 6-4-1 9 1 7-8-4-1 9 2 6-2 4 2 7-2 2 3 6-2-3 7 3 7-2-3 5 4 6-4 6 4 7-8-4 6 5 6-7-5 4 7-6 3 3 7-8 5 9 6-8 6 8 7-8 5 5 7 5 1 8 6-8 6 8 7-8 5 9 7 7 7 7 7 7 7 7 7 8 7 8 5 9 7 7-5-9 7 7 7 8 7 8 9 7-5-9 7 7 7 8 7 8 9 7-2-3-0 9<						
Destination Path Cost Destination Path Cost 0 6-2-3-0 9 0 7-2-3-0 7 1 6-4-1 9 1 7-8-4-1 9 2 6-2 4 2 7-2 2 3 6-2-3 7 3 7-2-3 5 4 6-4 6 4 7-8-4 6 5 6-7-5 4 7-6 3 3 7-8 5 9 6-8 6 8 7-8 5 5 7 5 1 7 6-9 8 9 7-5-9 7 7 7 7 7 7 7 7 7 7 7 7 8 7-8 5 9 7-5-9 7 7 7 8 7 8 9 7-5-9 7 7 7 8 7 8 9 7-2-3-0 9 <t< td=""><td>Routing table</td><td>for Node No</td><td>. 6 at Time 40</td><td>Routing table</td><td>for Node No</td><td>. 7 at Time 40</td></t<>	Routing table	for Node No	. 6 at Time 40	Routing table	for Node No	. 7 at Time 40
1 6-4-1 9 1 7-8-4-1 9 2 2 7-2 2 3 3 7-2-3 5 4 6-2 4 7-8-4 6 6 5 7-5 4 7 5 1 7 6-7 3 8 6-8 6 8 9 9 7-5-9 7 7 8 8 8 6-8 6 8 9 9 7-5-9 7 8 8 8 9 9 7-5-9 7 8 8 8 9 9 7-5-9 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9						
2 6-2 4 2 3 7-2 2 3 3 7-2-3 5 4 6-2-3 7 4 6-4 6 6 6 6 7-5 4 6 6 7-5 9 7 7 7 7 8 7 8 8 6 8 8 7 8 8 7 8 8 9 7 8 9 7 7 8 7 8 7 8 7	0	6-2-3-0	9	0	7-2-3-0	7
3 6-2-3 7 4 6-4 6 4 7-8-4 6 5 7-5 1 7 6-7 3 6-8 6 8 7-8 5 9 7-5-9 7 7 8 8 6-2-3 0 9 7-5-9 7 8 8 8 7-8 6-9 8 8 7-8 6 9 7-5-9 7 8 8 8 7-8 8 9 9 7-5-9 7 8 8 8 9 9 8 9 9 8 8 8 9 9 8 9 9 8 8 8 9 9 9 8 8 9 9 9 8 8 9 9 9 8 8 9 9 9 8 8 9 9 9 8 9 9 8 8 9 9 9 9 8 9	1	6-4-1	9	1	7-8-4-1	9
4 6-4 6 4 7-8-4 6 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 5 9 7-5-9 7 Routing table for Node No. 6 at Time 60 Routing table for Node No. 7 at Time 60 Destination Path Cost 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 7-5-4 5 5 7-5 1 7-6 3 8 6-8 6 8 7-8 4	2	6-2	4	2	7-2	2
5 6-7-5 4 5 7-5 1 7 6-7 3 8 7-6 3 8 6-8 6 8 7-8 5 9 6-9 8 9 7-5-9 7 Routing table for Node No. 7 at Time 60 Destination Path Cost 0 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 7-5-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4	3	6-2-3	7	3	7-2-3	5
7 6-7 3 6 7-6 3 8 6-8 6 9 7-5-9 7 8 7-8 5 5 9 7-5-9 7 8 7-8 5 5 9 7-5-9 7 8 7-8-1 9 7-2-3-0 9 9 9 1 7-8-1 9 <	4	6-4	6	4	7-8-4	6
8 6-8 6 9 8 7-8 5 9 7-5-9 7 Routing table for Node No. 6 at Time 60 Destination Path Cost 0 7-2-3-0 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 7-2-3 6 4 6-4 5 5 4 7-5-4 5 5 6-7-5 4 6-7 3 8 6-8 6 8 7-8 4 5 5 7-8 4	5	6-7-5	4	5	7-5	1
9 6-9 8 9 7-5-9 7 Routing table for Node No. 6 at Time 60 Routing table for Node No. 7 at Time 60 Destination Path Cost 0 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 7-8 4	7	6-7	3	6	7-6	3
Routing table for Node No. 6 at Time 60 Destination Path Cost 0 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3 6 4 6-4 5 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 8 6-8 6	8	6-8	6	8	7-8	5
Destination Path Cost Destination Path Cost 0 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4	9	6-9	8	9	7-5-9	7
Destination Path Cost Destination Path Cost 0 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4						
0 6-2-3-0 10 0 7-2-3-0 9 1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4	Routing table	for Node No	. 6 at Time 60	Routing table	for Node No	. 7 at Time 60
1 6-4-1 9 1 7-8-1 9 2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4	Destination	Path	Cost	Destination	Path	Cost
2 6-2 4 2 7-2 3 3 6-2-3 7 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4	0	6-2-3-0	10	0	7-2-3-0	9
3 6-2-3 7 3 7-2-3 6 4 6-4 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4	1	6-4-1	9		7-8-1	
4 6-4 5 4 7-5-4 5 5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 7-8 4	2	6-2	4		7-2	3
5 6-7-5 4 5 7-5 1 7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4	3	6-2-3	7	3	7-2-3	6
7 6-7 3 6 7-6 3 8 6-8 6 8 7-8 4		6-4	5		7-5-4	
8 6-8 6 8 7-8 4	5	6-7-5	4	5	7-5	1
	7	6-7	3	6	7-6	3
9 6-9 7 9 7-5-9 5	8	6-8	6	8	7-8	4
9 7-3-9 3	9	6-9	7	9	7-5-9	5

Routing table	for Node	No. 8 at	Time 20	Routing table	for Node	No. 9 at	Time	20
Destination	Path	Cost	Time 20	Destination	Path	Cost	TIME	
0	8-9-0	7		0	9-3-0	7		
1	8-1	4		1	9-8-1	5		
2	8-2	5		2	9-8-2	6		
3	8-9-3	5		3	9-3	4		
4	8-4	2		4	9-4	3		
5	8-9-5	6		5	9-5	3		
6	8-6	5		6	9-6	6		
7	8-7	5		7	9-8-7	6		
9	8-9	1		8	9-8	1		
Routing table	for Node	No. 8 at	Time 40	Routing table	for Node	No. 9 at	Time 4	40
Destination	Path	Cost		Destination	Path	Cost		
0	8-4-0	8		0	9-0	5		
1	8-1	5		1	9-8-1	9		
2	8-2	5		2	9-3-2	8		
3	8-2-3	6		3	9-3	5		
4	8-4	1		4	9-4	5		
5	8-4-5	5		5	9-5	6		
6	8-6	6		6	9-6	8		
7	8-7	5		7	9-5-7	7		
9	8-9	4		8	9-8	4		
Routing table			Time 60	Routing table			Time	60
Destination	Path	Cost		Destination	Path	Cost		
0	8-9-0	6		0	9-3-0	7		
1	8-1	5		1	9-8-4-1	5		
2	8-2	5		2	9-8-2	6		
3	8-9-3	5		3	9-3	4		
4	8-4	2		4	9-8-4	3		
5	8-4-5	5		5	9-5	4		
6	8-6	6		6	9-6	7		
7	8-7	4		7	9-8-7	5		
9	8-9	1		8	9-8	1		