

```
$ ./project3 1
```

```
===== START INITIAL =====
```

```
At time t=0.000000, rtinit0() called.
```

```
      via
D0 |   1   2   3
----|-----
dest 1|   1 9999 9999
dest 2| 9999   3 9999
dest 3| 9999 9999   7
```

```
At time t=0.000000, node0 sends packet to node1 with: 0 1 3 7
```

```
At time t=0.000000, node0 sends packet to node2 with: 0 1 3 7
```

```
At time t=0.000000, node0 sends packet to node3 with: 0 1 3 7
```

```
At time t=0.000000, rtinit1() called.
```

```
      via
D1 |   0   2
----|-----
dest 0|   1 9999
dest 2| 9999   1
dest 3| 9999 9999
```

```
At time t=0.000000, node1 sends packet to node0 with: 1 0 1 9999
```

```
At time t=0.000000, node1 sends packet to node2 with: 1 0 1 9999
```

```
At time t=0.000000, rtinit2() called.
```

```
      via
D2 |   0   1   3
----|-----
dest 0|   3 9999 9999
dest 1| 9999   1 9999
dest 3| 9999 9999   2
```

```
At time t=0.000000, node2 sends packet to node0 with: 3 1 0 2
```

```
At time t=0.000000, node2 sends packet to node1 with: 3 1 0 2
```

```
At time t=0.000000, node2 sends packet to node3 with: 3 1 0 2
```

```
At time t=0.000000, rtinit3() called.
```

```
      via
D3 |   0   2
----|-----
dest 0|   7 9999
dest 1| 9999 9999
dest 2| 9999   2
```

```
At time t=0.000000, node 3 sends packet to node0 with: 7 9999 2 0
```

```
At time t=0.000000, node 3 sends packet to node2 with: 7 9999 2 0
```

===== START UPDATES =====

At time t=0.124745, rtupdate2() called.

Sender id: 0 via

D2 | 0 1 3

-----|-----

dest 0| 3 9999 9999

dest 1| 4 1 9999

dest 3| 10 9999 2

At time t=0.124745, node 2 sends packet to node0 with: 3 1 0 2

At time t=0.124745, node 2 sends packet to node1 with: 3 1 0 2

At time t=0.124745, node 2 sends packet to node3 with: 3 1 0 2

At time t=0.586824, rtupdate3() called.

Sender id: 0 via

D3 | 0 2

-----|-----

dest 0| 7 9999

dest 1| 8 9999

dest 2| 10 2

At time t=0.586824, node 3 sends packet to node0 with: 7 8 2 0

At time t=0.586824, node 3 sends packet to node2 with: 7 8 2 0

At time t=0.609690, rtupdate2() called.

Sender id: 1 via

D2 | 0 1 3

-----|-----

dest 0| 3 2 9999

dest 1| 4 1 9999

dest 3| 10 9999 2

At time t=0.609690, node 2 sends packet to node0 with: 2 1 0 2

At time t=0.609690, node 2 sends packet to node1 with: 2 1 0 2

At time t=0.609690, node 2 sends packet to node3 with: 2 1 0 2

At time t=0.745790, rtupdate0() called.

Sender id: 1 via

D0 | 1 2 3

-----|-----

dest 1| 1 9999 9999

dest 2| 2 3 9999

dest 3| 9999 9999 7

At time t=0.745790, node0 sends packet to node1 with: 0 1 2 7

At time t=0.745790, node0 sends packet to node2 with: 0 1 2 7

At time t=0.745790, node0 sends packet to node3 with: 0 1 2 7

At time t=0.810576, rtupdate3() called.

Sender id: 2 via

D3 | 0 2

-----|-----

dest 0| 7 5

dest 1| 8 3

dest 2| 10 2

At time t=0.810576, node 3 sends packet to node0 with: 5 3 2 0  
 At time t=0.810576, node 3 sends packet to node2 with: 5 3 2 0  
 At time t=0.962070, rtupdate2() called.

```
Sender id: 3          via
  D2 |    0    1    3
----|-----
dest 0|    3    2    9
dest 1|    4    1  999
dest 3|   10  999    2
```

At time t=0.962070, node 2 sends packet to node0 with: 2 1 0 2  
 At time t=0.962070, node 2 sends packet to node1 with: 2 1 0 2  
 At time t=0.962070, node 2 sends packet to node3 with: 2 1 0 2  
 At time t=1.019291, rtupdate2() called.

```
Sender id: 3          via
  D2 |    0    1    3
----|-----
dest 0|    3    2    9
dest 1|    4    1   10
dest 3|   10  999    2
```

At time t=1.019291, node 2 sends packet to node0 with: 2 1 0 2  
 At time t=1.019291, node 2 sends packet to node1 with: 2 1 0 2  
 At time t=1.019291, node 2 sends packet to node3 with: 2 1 0 2  
 At time t=1.080034, rtupdate1() called.

```
Sender id: 0          via
  D1 |    0    2
----|-----
dest 0|    1  999
dest 2|    4    1
dest 3|    8  999
```

At time t=1.080034, node 1 sends packet to node0 with: 1 0 1 8  
 At time t=1.080034, node 1 sends packet to node2 with: 1 0 1 8  
 At time t=1.224738, rtupdate0() called.

```
Sender id: 2          via
  D0 |    1    2    3
----|-----
dest 1|    1    4  999
dest 2|    2    3  999
dest 3|  999    5    7
```

At time t=1.224738, node0 sends packet to node1 with: 0 1 2 5  
 At time t=1.224738, node0 sends packet to node2 with: 0 1 2 5  
 At time t=1.224738, node0 sends packet to node3 with: 0 1 2 5  
 At time t=1.826770, rtupdate0() called.

```
Sender id: 3          via
  D0 |    1    2    3
----|-----
dest 1|    1    4  999
dest 2|    2    3    9
dest 3|  999    5    7
```

At time t=1.826770, node0 sends packet to node1 with: 0 1 2 5  
At time t=1.826770, node0 sends packet to node2 with: 0 1 2 5  
At time t=1.826770, node0 sends packet to node3 with: 0 1 2 5  
At time t=2.490709, rtupdate3() called.

Sender id: 2 via  
D3	0 2
dest 0| 7 4  
dest 1| 8 3  
dest 2| 10 2

At time t=2.490709, node 3 sends packet to node0 with: 4 3 2 0  
At time t=2.490709, node 3 sends packet to node2 with: 4 3 2 0  
At time t=2.718230, rtupdate2() called.

Sender id: 3 via  
D2	0 1 3
dest 0| 3 2 7  
dest 1| 4 1 5  
dest 3| 10 9999 2

At time t=2.718230, node 2 sends packet to node0 with: 2 1 0 2  
At time t=2.718230, node 2 sends packet to node1 with: 2 1 0 2  
At time t=2.718230, node 2 sends packet to node3 with: 2 1 0 2  
At time t=2.735769, rtupdate3() called.

Sender id: 0 via  
D3	0 2
dest 0| 7 4  
dest 1| 8 3  
dest 2| 9 2



At time t=2.735769, node 3 sends packet to node0 with: 4 3 2 0  
At time t=2.735769, node 3 sends packet to node2 with: 4 3 2 0  
At time t=2.768510, rtupdate1() called.

Sender id: 2 via  
D1	0 2
dest 0| 1 4  
dest 2| 4 1  
dest 3| 8 3

At time t=2.768510, node 1 sends packet to node0 with: 1 0 1 3  
At time t=2.768510, node 1 sends packet to node2 with: 1 0 1 3  
At time t=3.190339, rtupdate1() called.

Sender id: 2 via  
D1	0 2
dest 0| 1 3  
dest 2| 4 1  
dest 3| 8 3

At time t=3.190339, node 1 sends packet to node0 with: 1 0 1 3

At time t=3.190339, node 1 sends packet to node2 with: 1 0 1 3

At time t=3.463617, rtupdate0() called.

```
Sender id: 3          via
D0 |    1    2    3
----|-----
dest 1|    1    4   15
dest 2|    2    3    9
dest 3| 9999    5    7
```

At time t=3.463617, node0 sends packet to node1 with: 0 1 2 5

At time t=3.463617, node0 sends packet to node2 with: 0 1 2 5

At time t=3.463617, node0 sends packet to node3 with: 0 1 2 5

At time t=3.898621, rtupdate2() called.

```
Sender id: 1          via
D2 |    0    1    3
----|-----
dest 0|    3    2    7
dest 1|    4    1    5
dest 3|   10    9    2
```

At time t=3.898621, node 2 sends packet to node0 with: 2 1 0 2

At time t=3.898621, node 2 sends packet to node1 with: 2 1 0 2

At time t=3.898621, node 2 sends packet to node3 with: 2 1 0 2

At time t=4.005606, rtupdate1() called.

```
Sender id: 0          via
D1 |    0    2
----|-----
dest 0|    1    3
dest 2|    3    1
dest 3|    8    3
```

At time t=4.005606, node 1 sends packet to node0 with: 1 0 1 3

At time t=4.005606, node 1 sends packet to node2 with: 1 0 1 3

At time t=5.609894, rtupdate2() called.

```
Sender id: 0          via
D2 |    0    1    3
----|-----
dest 0|    3    2    7
dest 1|    4    1    5
dest 3|    8    9    2
```

At time t=5.609894, node 2 sends packet to node0 with: 2 1 0 2

At time t=5.609894, node 2 sends packet to node1 with: 2 1 0 2

At time t=5.609894, node 2 sends packet to node3 with: 2 1 0 2

At time t=5.885198, rtupdate0() called.

```
Sender id: 3          via
D0 |    1    2    3
----|-----
dest 1|    1    4   10
dest 2|    2    3    9
dest 3| 9999    5    7
```

At time t=5.885198, node0 sends packet to node1 with: 0 1 2 5

At time t=5.885198, node0 sends packet to node2 with: 0 1 2 5  
At time t=5.885198, node0 sends packet to node3 with: 0 1 2 5  
At time t=7.011842, rtupdate1() called.

Sender id: 0 via  
D1	0 2
dest 0| 1 3  
dest 2| 3 1  
dest 3| 6 3

At time t=7.011842, node 1 sends packet to node0 with: 1 0 1 3  
At time t=7.011842, node 1 sends packet to node2 with: 1 0 1 3  
At time t=8.445058, rtupdate2() called.

Sender id: 3 via  
D2	0 1 3
dest 0| 3 2 6  
dest 1| 4 1 5  
dest 3| 8 9 2

At time t=8.445058, node 2 sends packet to node0 with: 2 1 0 2  
At time t=8.445058, node 2 sends packet to node1 with: 2 1 0 2  
At time t=8.445058, node 2 sends packet to node3 with: 2 1 0 2  
At time t=9.609680, rtupdate0() called.

Sender id: 1 via  
D0	1 2 3
dest 1| 1 4 10  
dest 2| 2 3 9  
dest 3| 9 5 7

At time t=9.609680, node0 sends packet to node1 with: 0 1 2 5  
At time t=9.609680, node0 sends packet to node2 with: 0 1 2 5  
At time t=9.609680, node0 sends packet to node3 with: 0 1 2 5  
At time t=10.395556, rtupdate2() called.

Sender id: 1 via  
D2	0 1 3
dest 0| 3 2 6  
dest 1| 4 1 5  
dest 3| 8 4 2

At time t=10.395556, node 2 sends packet to node0 with: 2 1 0 2  
At time t=10.395556, node 2 sends packet to node1 with: 2 1 0 2  
At time t=10.395556, node 2 sends packet to node3 with: 2 1 0 2  
At time t=13.778903, rtupdate0() called.

Sender id: 1 via  
D0	1 2 3
dest 1| 1 4 10  
dest 2| 2 3 9  
dest 3| 4 5 7



At time t=13.778903, node0 sends packet to node1 with: 0 1 2 4  
At time t=13.778903, node0 sends packet to node2 with: 0 1 2 4  
At time t=13.778903, node0 sends packet to node3 with: 0 1 2 4  
At time t=15.591029, rtupdate1() called.

Sender id: 0                      via  
D1	0      2
dest 0|      1      3  
dest 2|      3      1  
dest 3|      5      3



At time t=15.591029, node 1 sends packet to node0 with: 1 0 1 3  
At time t=15.591029, node 1 sends packet to node2 with: 1 0 1 3  
At time t=16.648991, rtupdate2() called.

Sender id: 0                      via  
D2	0      1      3
dest 0|      3      2      6  
dest 1|      4      1      5  
dest 3|      7      4      2



At time t=16.648991, node 2 sends packet to node0 with: 2 1 0 2  
At time t=16.648991, node 2 sends packet to node1 with: 2 1 0 2  
At time t=16.648991, node 2 sends packet to node3 with: 2 1 0 2

Simulator terminated at t=22.679701, no packets in medium