```
MAIN: rcv event, t=0.094, at 1 src: 0, dest: 1, contents: 0 1 3 7
             via
  D1 | 0
             1
                  2
                      3
    0|
         0
              1
                  3
                     7
    1|
         1
             0
                  4
                       8
    2| 999
           999 999 999
    3| 999
            999
                  999 999
MAIN: rcv event, t=0.427, at 1 src: 2, dest: 1, contents: 3 1 0 2
             via
  D1 |
         0
             1
                  2
                      3
 ----
                  3 7
    0|
         0
             1
    1 1
             0
                  1 3
    2|
                        2
         3
              1
                   0
    3 | 999 999 999
MAIN: rcv event, t=0.998, at 0 src: 1, dest: 0, contents: 1 0 1999
             via
  D0 |
         0
             1
                  2
                      3
    0|
         0
                  2 999
             1
    11
       1
             0
                  1 999
    2| 999
           999
                999 999
    3 | 999
            999
                  999 999
MAIN: rcv event, t=1.244, at 3 src: 0, dest: 3, contents: 0 1 3 7
             via
  D3 |
             1
                  2
         0
                      3
           1 3 7
    0 0
    1 999
           999 999 999
            999 999 999
    2 | 999
            8
    3|
       7
                  10 0
MAIN: rcv event, t=1.514, at 2 src: 0, dest: 2, contents: 0 1 3 7
             via
  D2 |
         0
             1
                  2
                      3
 ----
             1 3 7
    01
         0
            999 999 999
    1 999
    2|
             4
                  0
        3
                       10
                  999 999
       999
            999
MAIN: rcv event, t=1.685, at 0 src: 2, dest: 0, contents: 3 1 0 2
             via
```

Enter TRACE:2

D0 |

0

1

2

3

```
----
   01
       0 1 2 5
   1 1
          0
               1 999
   2 3 1
              0 2
   3| 999 999 999
MAIN: rcv event, t=2.171, at 3 src: 2, dest: 3, contents: 3 1 0 2
           via
  D3 | 0
          1
              2
                  3
 ---- | ------
     0 1 3 7
   0|
   1 999 999 999 999
   2|
     3 1 0
                   2
   3|
      5
          3
               2
                   0
MAIN: rcv event, t=2.399, at 0 src: 3, dest: 0, contents: 7 999 2 0
           via
  D0 | 0 1 2
                  3
 ----
   0 0 1 2 5
   1 1
          0 1 999
   2|
       3
          1
                0 2
                2
   3|
       7 999
                   0
MAIN: rcv event, t=2.489, at 0 src: 1, dest: 0, contents: 999 0 999 999
           via
  D0 | 0
          1
               2 3
 ----
          1
   0 0
               3 5
   1 999
          0 999 999
   2 3 1 0 2
   3|
     7 999
               2
                   0
MAIN: rcv event, t=2.667, at 2 src: 1, dest: 2, contents: 1 0 1 999
           via
  D2 | 0 1
              2
                  3
 ----
          1 3 7
   0 0
   1 1
          0
               1 999
   2|
       2
          1
                0
                 10
   3| 999 999 999
MAIN: rcv event, t=2.823, at 1 src: 0, dest: 1, contents: 0 999 999 999
           via
  D1 | 0
          1
               2
                  3
 ----
   0 999 999 999
   1|
       1
          0
               1
                   3
   2 3 1
                0
                   2
```

```
3 | 999 999 999 999
MAIN: rcv event, t=3.242, at 1 src: 2, dest: 1, contents: 3 4 0 10
           via
  D1 | 0
           1
                2
   0 999 999 999
   1|
      1
                1 11
           0
   2 | 3
           4
                0
                  10
   3| 999 999 999
MAIN: rcv event, t=3.361, at 0 src: 1, dest: 0, contents: 999 0 1 3
           via
  D0 | 0
           1
                2
                   3
 ----
   0 0 1 2 4
   1 999
           0
                1 3
                    2
   2 3 1
                0
   3 7 999 2 0
MAIN: rcv event, t=3.780, at 3 src: 0, dest: 3, contents: 0 1
                                         2 999
           via
  D3 | 0
           1
               2
   0 0 1 2 999
   1 999 999 999 999
   2 3 1 0 2
           3 2 0
   3|
        5
MAIN: rcv event, t=3.798, at 2 src: 3, dest: 2, contents: 7 999 2 0
           via
  D2 | 0 1
               2
                   3
       0 1 3 7
   0|
   1 1
           0
                1 999
   2 2 1
                0 2
      7 999 2 0
MAIN: rcv event, t=3.915, at 0 src: 3, dest: 0, contents: 999 999 999 0
           via
  D0 | 0
           1 2
                   3
 ----
           1 2 4
   0 0
   1 999
           0
               1 3
   2 3 1 0
                    2
   3 | 999
          999 999
MAIN: rcv event, t=4.774, at 2 src: 1, dest: 2, contents: 1 0 4 8
           via
```

D2 | 0

1

2 3

```
----
   01
   1 1
           0
               4 8
   2 2 1
                0 2
   3|
       7 999
               2
                    0
MAIN: rcv event, t=4.967, at 1 src: 0, dest: 1, contents: 0 999 999 5
           via
  D1 |
       0
           1
               2
                   3
 ---- | ------
       0 999 999 5
   0|
           0
   1|
       1
               1
                   6
   2|
      3 4 0
                  10
   3 | 999 999 999 999
MAIN: rcv event, t=5.190, at 0 src: 2, dest: 0, contents: 999 999 0 999
           via
  D0 | 0
           1
               2
                   3
 ----
   0 0 1 2 4
   1 999 0
               1 3
   2 | 999 999 0 999
   3 | 999 999 999
                  0
MAIN: rcv event, t=5.464, at 3 src: 2, dest: 3, contents: 3 4 0 10
           via
  D3 | 0
           1
               2
                   3
 ----
   0 0
               2 999
           1
   1 999 999 999 999
   2 3 4 0 10
   3|
      5 6
               2
                   0
MAIN: rcv event, t=5.742, at 0 src: 3, dest: 0, contents: 5 3 2 0
           via
  D0 |
           1
               2
                   3
       0
 ----
           1 2 4
   0|
       0
   1 999 0
               1 3
   2 | 999 999 0 999
   3|
      5 3
               2 0
MAIN: rcv event, t=5.760, at 2 src: 1, dest: 2, contents: 1 0 999 999
           via
  D2 | 0
           1
               2 3
 ----
   0|
       0
           1
               3 7
       1 0
               999 999
   1|
   2|
       2 1 0
                    2
```

```
3 7 999 2 0
MAIN: rcv event, t=6.258, at 3 src: 0, dest: 3, contents: 0 1 2 5
           via
  D3 | 0
           1
               2
   0 0 1
               2 5
   1 999 999 999 999
   2 3 4 0 10
      5 6 2 0
MAIN: rcv event, t=6.529, at 1 src: 0, dest: 1, contents: 0 999 3 5
           via
  D1 |
       0
           1
               2
                   3
 ----
   0 0 999 3 5
   1 1 0
               1 6
   2|
                0 10
   3 | 999 999 999 999
MAIN: rcv event, t=6.713, at 0 src: 2, dest: 0, contents: 2 1 0 999
           via
  D0 | 0
           1
               2 3
           1 2 4
   0 0
   1 999 0 1 3
   2 2 1 0 999
               2 0
   3|
           3
MAIN: rcv event, t=6.726, at 0 src: 1, dest: 0, contents: 999 0 1 11
           via
  D0 | 0 1
               2
                   3
           1 2 7
   0 0
   1 999
           0
               1 11
   2 2
               0 999
           1
           3
               2 0
   3|
       5
MAIN: rcv event, t=6.771, at 2 src: 0, dest: 2, contents: 0 1 2 999
           via
  D2 |
       0
           1 2
                   3
 ----
   01
       0 1 2 999
           0 999 999
   1 1
   2|
       2 1
               0 2
               2
        7 999
                    0
MAIN: rcv event, t=6.947, at 3 src: 0, dest: 3, contents: 0 1 3 5
           via
  D3 | 0
           1 2 3
```

```
----
   01
      0
           1 3 5
   1| 999 999 999
   2|
       3
           4
                0 10
   3|
        5
            6
                2
                    0
MAIN: rcv event, t=6.992, at 0 src: 2, dest: 0, contents: 2 1 0 2
           via
  D0 |
       0
           1
               2
                   3
 ---- | ------
   0|
      0
           1
               2 5
   1| 999
           0
                1 11
   2|
      2
           1
                0
                    2
   3|
       5
           3
                2
                    0
MAIN: rcv event, t=7.543, at 1 src: 2, dest: 1, contents: 999 999 0 10
           via
  D1 | 0
           1
              2
                   3
 ----
   0 | 0 999 3 5
                1 6
   1 1 0
               0 10
   2 | 999 999
   3 | 999 999
               999 999
MAIN: rcv event, t=7.613, at 3 src: 2, dest: 3, contents: 2 1 0 10
           via
  D3 | 0
           1
                2
                   3
 ----
   0 0
                3 5
           1
   1 999 999 999 999
   2|
      2 1 0 10
   3|
        4
           3
                2
                    0
MAIN: rcv event, t=7.650, at 2 src: 3, dest: 2, contents: 7 8 10 0
           via
  D2 |
           1
               2
       0
 ----
           1 2 999
   0|
       0
   1 1
            0
               999 999
   2|
        2
            1
                0
                    2
   3|
        7
            8
                10
                    0
MAIN: rcv event, t=8.351, at 3 src: 0, dest: 3, contents: 0 1 2 4
           via
  D3 | 0
           1
                2
                   3
 ----
   0 0
           1
               2
                    4
   1 999
           999
               999 999
   2|
      2 1
                0
                    10
```

```
3 4 3 2 0
MAIN: rcv event, t=8.352, at 3 src: 2, dest: 3, contents: 2 1 0 999
           via
  D3 | 0 1
              2 3
   0 0 1 2 4
   1 999 999 999 999
   2 1 0 999
   3 4 3 2 0
MAIN: rcv event, t=8.469, at 3 src: 0, dest: 3, contents: 0 1 2 999
           via
  D3 | 0 1
               2
                   3
 ----
   0 0 1 2 999
   1 999 999 999 999
   2 1 0 999
   3 4 3
               2 0
MAIN: rcv event, t=8.642, at 1 src: 0, dest: 1, contents: 0 999 999 999
           via
  D1 | 0
           1
               2 3
   0 999 999 999
   1 1 0 1 11
   2 | 999 999 0 10
   3| 999 999 999
MAIN: rcv event, t=8.673, at 3 src: 0, dest: 3, contents: 0 1 2 5
           via
  D3 | 0 1
               2 3
   0 0 1 2 5
   1 999 999 999 999
           1 0 999
   2 2
           3
               2 0
       4
MAIN: rcv event, t=8.914, at 0 src: 1, dest: 0, contents: 999 0 1 999
           via
  D0 | 0 1 2 3
 ----
   0 0 1 2 5
   1| 999
           0 1 999
   2 2 1
               0 2
           3
               2 0
   3|
       5
MAIN: rcv event, t=8.958, at 2 src: 0, dest: 2, contents: 0 1 2 999
           via
  D2 | 0 1 2 3
```

```
----
   01
            1 2 999
   1 1
           0 999 999
   2 2
           1
                0 2
   3|
        7
            8
                10
                     0
MAIN: rcv event, t=9.443, at 0 src: 3, dest: 0, contents: 5 6 2 0
            via
  D0 |
       0
           1
                2
                    3
 ---- | ------
   0|
       0
           1
                2 5
   1| 999
           0
                1 999
   2|
      2
           1
                0
                     2
   3|
        5
           6
                2
                     0
MAIN: rcv event, t=9.809, at 2 src: 3, dest: 2, contents: 999 999 999 0
           via
       0
           1 2
  D2 |
                    3
 ----
   0 0
           1 2 999
           0 999 999
   1 1
   2|
        2
           1
                0
                     2
               999
   3 | 999 999
                     0
MAIN: rcv event, t=9.919, at 1 src: 2, dest: 1, contents: 999 999 0 2
           via
  D1 | 0
           1
                2
                    3
 ----
   0 999 999 999
   1 1
          0
                1
                     3
   2 | 999 999
                0
                     2
   3 | 999 999
               999 999
MAIN: rcv event, t=10.448, at 2 src: 0, dest: 2, contents: 0 1 999 999
           via
           1
  D2 | 0
                2
                    3
 ----
   0 0
           1 999 999
   1 1
           0 999 999
   2|
        2
           1
               0
                     2
   3| 999
          999
               999
                     0
MAIN: rcv event, t=11.354, at 0 src: 3, dest: 0, contents: 4 3 2 0
            via
  D0 | 0
           1
                2
                    3
 ----
   0 0
           1
                2 5
                 1 999
   1 999
            0
   2 2 1
                 0
                     2
```

```
3 4 3 2 0
MAIN: rcv event, t=11.418, at 1 src: 0, dest: 1, contents: 0 999 999 7
            via
  D1 | 0
                2
            1
   0|
        0 999 999
                     7
   1 1
           0
                1
                     3
   2 | 999 999
                 0
                      2
   3| 999 999 999
MAIN: rcv event, t=11.578, at 2 src: 1, dest: 2, contents: 1 0 999 999
            via
  D2 |
            1
                2
                    3
        0
 ----
   0 0 1 999 999
   1 1
            0 999 999
   2|
             1
                0
   3 | 999 999 999
                   0
MAIN: rcv event, t=12.637, at 1 src: 0, dest: 1, contents: 0 999 999 5
            via
  D1 |
        0
            1
                2
   0 999 999 5
          0 1
   1 1
                     3
   2| 999
          999
               0
                      2
   3 | 999
           999 999
MAIN: rcv event, t=13.273, at 0 src: 1, dest: 0, contents: 999 0 1 11
            via
  D0 |
            1
                2
                    3
        0
            1 2 5
   0 0
   1 999
            0
                1 11
   2 2
                0 2
            1
            3 2 0
   3|
        4
MAIN: rcv event, t=13.430, at 2 src: 0, dest: 2, contents: 0 1 2 4
            via
  D2 |
        0
            1 2
                    3
 ----
   01
        0 1 2 4
        1
   1|
            0 999 999
   2|
        2
           1 0
                      2
   3 | 999
          999
                999
                      0
MAIN: rcv event, t=14.226, at 2 src: 1, dest: 2, contents: 1 0 999 6
            via
  D2 | 0
            1
                2 3
```

```
0|
       0
           1 2
   1|
       1
          0 999
                   6
   2 1 0
                   2
   3 | 999 999
              999
                   0
MAIN: rcv event, t=14.710, at 2 src: 3, dest: 2, contents: 999 999 999 0
          via
 D2 | 0
          1
              2
                  3
 ---- | ------
   0|
       0
          1 2 4
   1 1
          0 999
   2 1 0
                   2
   3 | 999 999 999
                   0
MAIN: rcv event, t=14.859, at 0 src: 1, dest: 0, contents: 999 0 1 3
 D0 | 0 1 2 3
0 0 1 2 4
1 999 0 1 3
2 2 1 0 2
MAIN: rcv event, t=15.878, at 3 src: 0, dest: 3, contents: 0 1 2
 D3 | 0 1 2 3
 ----
 0 1 2 4
1 999 999 999 999
2 2 1 0 999
3 4 3 2 0
MAIN: rcv event, t=15.988, at 1 src: 0, dest: 1, contents: 0 999 999 999
 D1 | 0 1 2 3
 0| 0 999 999 999
  1 1 0
  2| 999 999
              0 2
3| 999 999 999 999
MAIN: rcv event, t=16.483, at 2 src: 0, dest: 2, contents: 0 1 2 7
           via
  D2 | 0
          1
              2 3
 ----
   0 0
          1 2 7
   1|
       1
          0
              999
                   6
   2|
       2 1 0
                   2
```

```
3 | 999 999 999
                     0
MAIN: rcv event, t=18.072, at 2 src: 0, dest: 2, contents: 0 1 2 999
            via
  D2 | 0
           1
                2
   0|
        0
           1 2 999
       1
            0
   1|
                999
                     6
   2 2
           1 0
                     2
   3| 999 999 999
                     0
MAIN: rcv event, t=19.023, at 2 src: 3, dest: 2, contents: 999 999 999 0
            via
  D2 |
           1
                2
                    3
        0
 ----
        0 1 2 999
           0 999 6
   1 1
                     2
   2|
            1
                0
   3 | 999 999 999
                   0
MAIN: rcv event, t=19.083, at 2 src: 1, dest: 2, contents: 1 0 999 999
            via
  D2 |
        0
           1
                2
   0 0
           1 2 999
   1 1
           0 999 999
   2|
        2 1 0 2
   3| 999 999
                999
                   0
MAIN: rcv event, t=19.973, at 2 src: 1, dest: 2, contents: 1 0 999 999
            via
  D2 |
           1
        0
                2
                    3
   0|
           1 2 999
   1 1
           0 999 999
   2 1 0
   3| 999 999 999
                   0
MAIN: rcv event, t=21.535, at 2 src: 0, dest: 2, contents: 0 1 2 4
D2 | 0 1 2 3
0 0 1 2 4
  1 1 0 999 999
  2 2 1 0 2
3 | 999 999 999 0
```

MAIN: rcv event, t=10000.000, at -1

MAIN: rcv event, t=10000.297, at 3 src: 0, dest: 3, contents: 0 4 3 5

via

```
D3 | 0 1 2 3
               3 5
   0 0 4
   1 999 999 999 999
               0 999
   2 2
          1
   3|
       4
           3
               2 0
MAIN: rcv event, t=10000.789, at 1 src: 0, dest: 1, contents: 0 4 3 5
           via
  D1 |
           1
               2
                   3
       0
 ----
           4 3 5
   0 0
   1 20 0
               1 3
   2 | 999 999 0
                    2
   3| 999 999 999
MAIN: rcv event, t=10000.831, at 2 src: 0, dest: 2, contents: 0 999 999 999
           via
  D2 | 0
           1
               2
                   3
   0| 0 999 999 999
   1 0 999 999
           1 0 2
   2|
       2
   3 | 999 999 999 0
MAIN: rcv event, t=10001.185, at 0 src: 1, dest: 0, contents: 999 0 1 3
           via
  D0 |
           1
               2
                   3
       0
 ----
   0 0
           4 3 5
   1 999 0 1 3
   2 | 2
          1 0 2
           3 2 0
   3|
       4
MAIN: rcv event, t=10002.322, at 2 src: 1, dest: 2, contents: 20 0 999 999
           via
  D2 | 0
           1 2
                   3
 ----
   0| 0 999 999 999
   1 20 0 999 999
   2|
       3
           1
               0 2
          999
               999
                    0
   3 | 999
MAIN: rcv event, t=10002.501, at 0 src: 2, dest: 0, contents: 999 1 0 2
           via
  D0 |
       0
           1
               2
                   3
 ----
            4 3
   0|
       0
                  5
   1 999 0 1
                    3
```

```
2 | 999
            1 0 2
                   2
    31
              3
MAIN: rcv event, t=10003.059, at 1 src: 2, dest: 1, contents: 3 999
  D1 | 0 1 2 3
             0
            999
    3 | 999 | 999 | 999 | 999
MAIN: rcv event, t=10004.102, at 0 src: 1, dest: 0, contents: 4 0 1
                                                    3
             via
  D0 |
        0
             1
                  2
                      3
 ----
              4 3
    0|
         0
                     5
              0
                   1
                       3
    1|
         4
    2 | 999
              1
                  0
                       2
    3|
              3
                   2
                       0
MAIN: rcv event, t=10004.193, at 3 src: 2, dest: 3, contents: 3 1
                                                  0 999
  D3 | 0 1 2 3
0 0 4 3 5
    1 999 999 999 999
             3 2 0
MAIN: rcv event, t=10004.859, at 2 src: 1, dest: 2, contents: 999 0 999 999
             via
  D2 | 0
             1
                  2
                      3
 ----
         0 999 999 999
    0|
    1 999
             0
                 999 999
    2|
       3
             1
                 0
                       2
    3| 999
           999
                 999
                       0
MAIN: rcv event, t=10005.892, at 0 src: 3, dest: 0, contents: 5 3 2
                                                    0
             via
  D0 | 0 1 2 3
```

MAIN: rcv event, t=10006.383, at 2 src: 3, dest: 2, contents: 999 999 999 0

\_\_\_\_

1 4

2 999

0

3 3 2 0

via

```
D2 | 0 1 2 3
   0 999 999 999
   1 999 0 999 999
2 3 1 0 2
3 | 999 999 999 0
MAIN: rcv event, t=20000.000, at -842150451
MAIN: rcv event, t=20000.340, at 3 src: 0, dest: 3, contents: 0 1 2 4
             via
  D3 |
            1
                 2
                      3
        0
    0|
            1 2 4
        0
    1 999
          999 999 999
    2|
        3
            1
                 0 999
                  2
    3|
         5
             3
                       0
MAIN: rcv event, t=20000.414, at 1 src: 0, dest: 1, contents: 0 999 999 999
             via
  D1 |
        0
            1
                 2
                      3
    0|
        0
            999
                 999 999
            0
    1|
        1
                 1
                      3
      3 999
    2|
                 0
                       2
                 999 999
    3| 999
            999
MAIN: rcv event, t=20000.883, at 2 src: 0, dest: 2, contents: 0 1 2 4
             via
  D2 |
        0
            1
                 2
                      3
 ----
            1 2
    0 0
    1 999
             0 999 999
    2|
         3
              1
                  0
                       2
           999
                 999
                       0
    3 | 999
MAIN: rcv event, t=20001.525, at 0 src: 1, dest: 0, contents: 999 0 1
             via
  D0 | 0
            1
                 2
                      3
    01
        0
             1
                 2
    1 999
             0
                 1 3
    2 999 1
                 0
                       2
            3
                  2
                       0
    3|
MAIN: rcv event, t=20002.777, at 2 src: 1, dest: 2, contents: 1 0 999 999
             via
  D2 | 0
            1
                 2
                      3
 ----
```

0 0 1

2

4

```
1|
        1
            0 999 999
    21
        2
             1
                  0
                      2
   3 | 999
           999
                 999
                      0
MAIN: rcv event, t=20003.000, at 1 src: 2, dest: 1, contents: 999 999 0 2
  D1 | 0 1 2 3
   0|
       0 999 999 999
            0
   2 999
           999 0 2
   3| 999 999 999 999
MAIN: rcv event, t=20003.008, at 0 src: 2, dest: 0, contents: 2 1 0
                                                  2
            via
  D0 |
            1
                 2
        0
                     3
   01
        0
             1
                  2
   1 999
             0
                 1
                      3
   2|
        2
             1
                  0
                      2
   3|
             3
                  2
                      0
        5
MAIN: rcv event, t=20003.016, at 3 src: 2, dest: 3, contents: 2 1
                                                0 999
  D3 | 0 1 2 3
 0 0 1
MAIN: rcv event, t=20003.240, at 0 src: 3, dest: 0, contents: 4 3 2
                                                  0
             via
  D0 | 0 1 2 3
 0 0 1
   1 999
            0
   3 4 3
MAIN: rcv event, t=20004.129, at 2 src: 3, dest: 2, contents: 999 999 999
  D2 | 0 1 2 3
 ----
            1 2 4
 0 0
            0 999 999
   2 2 1 0 2
```

3 | 999 999 999 0

Simulator terminated at t=20004.128906, no packets in medium