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1 Network Simulator v1.0
2 Enter trace level (>= 0): [0] Enter seed (>= 0): [3322]
3 Function rtinit() has been called at t=0.000000 to initialize node
  0.
4
5 A packet has been sent from node 0 to node 1, contents = 0 1 1 9999
6 A packet has been sent from node 0 to node 2, contents = 0 1 1 9999
7
8 Distance table of node 0 is:
9
10      D0 |      1      2
11  ----|-----
12      1|      1  9999
13 dest 2|  9999      1
14      3|  9999  9999
15
16 Function rtinit() has been called at t=0.000000 to initialize node
  1.
17
18 A packet has been sent from node 1 to node 0, contents = 1 0 10 7
19 A packet has been sent from node 1 to node 2, contents = 1 0 10 7
20 A packet has been sent from node 1 to node 3, contents = 1 0 10 7
21
22 Distance table of node 1 is:
23
24      D1 |      0      2      3
25  ----|-----
26      0|      1  9999  9999
27 dest 2|  9999     10  9999
28      3|  9999  9999      7
29
30 Function rtinit() has been called at t=0.000000 to initialize node
  2.
31
32 A packet has been sent from node 2 to node 0, contents = 1 10 0 2
33 A packet has been sent from node 2 to node 1, contents = 1 10 0 2
34 A packet has been sent from node 2 to node 3, contents = 1 10 0 2
35
36 Distance table of node 2 is:
37
38      D2 |      0      1      2      3
39  ----|-----
40      0|      1  10 0 2
41 dest 1|  1  10 0 2
42      2|  1  10 0 2
43      3|  1  10 0 2

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38      D2 |      0      1      3
39  ----|-----
40      0|      1  9999  9999
41 dest 1|  9999   10  9999
42      3|  9999  9999    2
43
44 Function rtinit() has been called at t=0.000000 to initialize node
   3.
45
46 A packet has been sent from node 3 to node 1, contents = 9999 7 2 0
47 A packet has been sent from node 3 to node 2, contents = 9999 7 2 0
48
49 Distance table of node 3 is:
50                via
51      D3 |      1      2
52  ----|-----
53      0|  9999  9999
54 dest 1|      7  9999
55      2|  9999    2
56 MAIN: rcv event, t=0.055, at 1 src: 0, dest: 1, contents:   0 9999
   1 9999
57 Distance table has been updated.
58
59 Distance table of node 1 is:
60                via
61      D1 |      0      2      3
62  ----|-----
63      0|      1  9999  9999
64 dest 2|      2   10  9999
65      3|  9999  9999    7
66 Routing table for node 1.
67                next hop
68  ----|-----
69      0|      0
70      1|      1
71 dest 2|      0
72      3|      3
73
74 A packet has been sent from node 1 to node 0, contents = 9999 0 9999
   7

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75 A packet has been sent from node 1 to node 2, contents = 1 0 2 7
76 A packet has been sent from node 1 to node 3, contents = 1 0 2 9999
77 MAIN: rcv event, t=0.625, at 0 src: 1, dest: 0, contents: 9999 0
    10 7
78 Distance table has been updated.
79
80 Distance table of node 0 is:
81           via
82   D0 |    1    2
83   ----|-----
84     1|    1  9999
85 dest 2|   11    1
86     3|    8  9999
87 Routing table for node 0.
88       next hop
89   ----|-----
90     0|    0
91     1|    1
92 dest 2|    2
93     3|    1
94
95 A packet has been sent from node 0 to node 1, contents = 0 9999 1
    9999
96 A packet has been sent from node 0 to node 2, contents = 0 1 9999 8
97 MAIN: rcv event, t=1.393, at 2 src: 0, dest: 2, contents: 0 1
    9999 9999
98 Distance table has been updated.
99
100 Distance table of node 2 is:
101           via
102   D2 |    0    1    3
103   ----|-----
104     0|    1  9999  9999
105 dest 1|    2   10  9999
106     3|  9999  9999    2
107 Routing table for node 2.
108       next hop
109   ----|-----
110     0|    0
111     1|    0

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112 dest 2 |      2
113      3 |      3
114
115 A packet has been sent from node 2 to node 0, contents = 9999 9999 0
    2
116 A packet has been sent from node 2 to node 1, contents = 1 2 0 2
117 A packet has been sent from node 2 to node 3, contents = 1 2 0 9999
118 MAIN: rcv event, t=1.577, at 3 src: 1, dest: 3, contents:  1  0
    10 9999
119 Distance table has been updated.
120
121 Distance table of node 3 is:
122                               via
123   D3 |      1      2
124   ----|-----
125     0 |      8    9999
126 dest 1 |      7    9999
127     2 |     17      2
128 Routing table for node 3.
129           next hop
130   ----|-----
131     0 |      1
132     1 |      1
133 dest 2 |      2
134     3 |      3
135
136 A packet has been sent from node 3 to node 1, contents = 9999 9999 2
    0
137 A packet has been sent from node 3 to node 2, contents = 8 7 9999 0
138 MAIN: rcv event, t=1.885, at 1 src: 2, dest: 1, contents:  1 9999
    0  2
139 Distance table has been updated.
140
141 Distance table of node 1 is:
142                               via
143   D1 |      0      2      3
144   ----|-----
145     0 |      1     11    9999
146 dest 2 |      2     10    9999
147     3 | 9999     12      7

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148 Routing table for node 1.

149 next hop

150 ----|-----

151 0| 0

152 1| 1

153 dest 2| 0

154 3| 3

155

156 MAIN: rcv event, t=2.181, at 2 src: 1, dest: 2, contents: 1 0
9999 7

157 Distance table has been updated.

158

159 Distance table of node 2 is:

160 via

161 D2 | 0 1 3

162 ----|-----

163 0| 1 11 9999

164 dest 1| 2 10 9999

165 3| 9999 17 2

166 Routing table for node 2.

167 next hop

168 ----|-----

169 0| 0

170 1| 0

171 dest 2| 2

172 3| 3

173

174 MAIN: rcv event, t=2.279, at 0 src: 2, dest: 0, contents: 9999 10
0 2

175 Distance table has been updated.

176

177 Distance table of node 0 is:

178 via

179 D0 | 1 2

180 ----|-----

181 1| 1 11

182 dest 2| 11 1

183 3| 8 3

184 Routing table for node 0.

185 next hop

```

186  ----|-----
187      0|      0
188      1|      1
189 dest 2|      2
190      3|      2
191
192 A packet has been sent from node 0 to node 1, contents = 0 9999 1 3
193 A packet has been sent from node 0 to node 2, contents = 0 1 9999
    9999
194 MAIN: rcv event, t=3.124, at 1 src: 3, dest: 1, contents: 9999 9999
    2 0
195 Distance table has been updated.
196
197 Distance table of node 1 is:
198                via
199   D1 |      0      2      3
200  ----|-----
201      0|      1      11     9999
202 dest 2|      2      10      9
203      3| 9999      12      7
204 Routing table for node 1.
205                next hop
206  ----|-----
207      0|      0
208      1|      1
209 dest 2|      0
210      3|      3
211
212 MAIN: rcv event, t=3.278, at 3 src: 2, dest: 3, contents: 1 10
    0 9999
213 Distance table has been updated.
214
215 Distance table of node 3 is:
216                via
217   D3 |      1      2
218  ----|-----
219      0|      8      3
220 dest 1|      7      12
221      2|     17      2
222 Routing table for node 3.

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223           next hop
224  ----|-----
225      0| 2
226      1| 1
227 dest 2| 2
228      3| 3
229
230 A packet has been sent from node 3 to node 1, contents = 3 9999 2 0
231 A packet has been sent from node 3 to node 2, contents = 9999 7 9999
    0
232 MAIN: rcv event, t=3.866, at 0 src: 1, dest: 0, contents: 9999 0
    9999 7
233 Distance table has been updated.
234
235 Distance table of node 0 is:
236           via
237  D0 | 1 2
238  ----|-----
239      1| 1 11
240 dest 2| 9999 1
241      3| 8 3
242 Routing table for node 0.
243           next hop
244  ----|-----
245      0| 0
246      1| 1
247 dest 2| 2
248      3| 2
249
250 MAIN: rcv event, t=4.001, at 1 src: 0, dest: 1, contents: 0 9999
    1 9999
251 Distance table has not been updated.
252
253 Distance table of node 1 is:
254           via
255  D1 | 0 2 3
256  ----|-----
257      0| 1 11 9999
258 dest 2| 2 10 9
259      3| 9999 12 7

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260 Routing table for node 1.

261 next hop

262 ----|-----

263 0| 0

264 1| 1

265 dest 2| 0

266 3| 3

267

268 MAIN: rcv event, t=4.041, at 3 src: 1, dest: 3, contents: 1 0
2 9999

269 Distance table has been updated.

270

271 Distance table of node 3 is:

272 via

273 D3 | 1 2

274 ----|-----

275 0| 8 3

276 dest 1| 7 12

277 2| 9 2

278 Routing table for node 3.

279 next hop

280 ----|-----

281 0| 2

282 1| 1

283 dest 2| 2

284 3| 3

285

286 MAIN: rcv event, t=4.167, at 2 src: 3, dest: 2, contents: 9999 7
9999 0

287 Distance table has been updated.

288

289 Distance table of node 2 is:

290 via

291 D2 | 0 1 3

292 ----|-----

293 0| 1 11 9999

294 dest 1| 2 10 9

295 3| 9999 17 2

296 Routing table for node 2.

297 next hop


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298  ----|-----
299      0|      0
300      1|      0
301 dest 2|      2
302      3|      3
303
304 MAIN: rcv event, t=4.428, at 0 src: 2, dest: 0, contents: 9999 9999
      0  2
305 Distance table has been updated.
306
307 Distance table of node 0 is:
308                      via
309   D0 |      1      2
310  ----|-----
311      1|      1  9999
312 dest 2|  9999      1
313      3|      8      3
314 Routing table for node 0.
315          next hop
316  ----|-----
317      0|      0
318      1|      1
319 dest 2|      2
320      3|      2
321
322 MAIN: rcv event, t=5.026, at 3 src: 2, dest: 3, contents:   1   2
      0 9999
323 Distance table has been updated.
324
325 Distance table of node 3 is:
326                      via
327   D3 |      1      2
328  ----|-----
329      0|      8      3
330 dest 1|      7      4
331      2|      9      2
332 Routing table for node 3.
333          next hop
334  ----|-----
335      0|      2

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336      1|      2
337 dest 2|      2
338      3|      3
339
340 A packet has been sent from node 3 to node 1, contents = 3 4 2 0
341 A packet has been sent from node 3 to node 2, contents = 9999 9999
    9999 0
342 MAIN: rcv event, t=5.088, at 1 src: 2, dest: 1, contents: 1 2
    0 2
343 Distance table has not been updated.
344
345 Distance table of node 1 is:
346                via
347      D1 |      0      2      3
348      ----|-----
349      0|      1      11      9999
350 dest 2|      2      10      9
351      3| 9999      12      7
352 Routing table for node 1.
353                next hop
354      ----|-----
355      0|      0
356      1|      1
357 dest 2|      0
358      3|      3
359
360 MAIN: rcv event, t=5.228, at 1 src: 3, dest: 1, contents: 9999 9999
    2 0
361 Distance table has not been updated.
362
363 Distance table of node 1 is:
364                via
365      D1 |      0      2      3
366      ----|-----
367      0|      1      11      9999
368 dest 2|      2      10      9
369      3| 9999      12      7
370 Routing table for node 1.
371                next hop
372      ----|-----

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373      0|    0
374      1|    1
375 dest 2|    0
376      3|    3
377
378 MAIN: rcv event, t=5.269, at 1 src: 0, dest: 1, contents:  0 9999
      1  3
379 Distance table has been updated.
380
381 Distance table of node 1 is:
382                via
383   D1 |    0    2    3
384   ----|-----
385      0|    1   11  9999
386 dest 2|    2   10    9
387      3|    4   12    7
388 Routing table for node 1.
389         next hop
390   ----|-----
391      0|    0
392      1|    1
393 dest 2|    0
394      3|    0
395
396 A packet has been sent from node 1 to node 0, contents = 9999 0 9999
      9999
397 A packet has been sent from node 1 to node 2, contents = 1 0 2 4
398 A packet has been sent from node 1 to node 3, contents = 1 0 2 4
399 MAIN: rcv event, t=6.074, at 2 src: 1, dest: 2, contents:  1  0
      2  7
400 Distance table has not been updated.
401
402 Distance table of node 2 is:
403                via
404   D2 |    0    1    3
405   ----|-----
406      0|    1   11  9999
407 dest 1|    2   10    9
408      3| 9999   17    2
409 Routing table for node 2.

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410          next hop
411  ----|-----
412      0|      0
413      1|      0
414 dest 2|      2
415      3|      3
416
417 MAIN: rcv event, t=6.216, at 3 src: 1, dest: 3, contents:   1   0
      2   4
418 Distance table has not been updated.
419
420 Distance table of node 3 is:
421          via
422      D3 |      1      2
423  ----|-----
424      0|      8      3
425 dest 1|      7      4
426      2|      9      2
427 Routing table for node 3.
428          next hop
429  ----|-----
430      0|      2
431      1|      2
432 dest 2|      2
433      3|      3
434
435 MAIN: rcv event, t=6.363, at 1 src: 3, dest: 1, contents:   3 9999
      2   0
436 Distance table has been updated.
437
438 Distance table of node 1 is:
439          via
440      D1 |      0      2      3
441  ----|-----
442      0|      1     11     10
443 dest 2|      2     10      9
444      3|      4     12      7
445 Routing table for node 1.
446          next hop
447  ----|-----

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448      0|    0
449      1|    1
450 dest 2|    0
451      3|    0
452
453 MAIN: rcv event, t=6.457, at 0 src: 1, dest: 0, contents: 9999  0
      9999 9999
454 Distance table has been updated.
455
456 Distance table of node 0 is:
457                via
458   D0 |    1    2
459   ----|-----
460      1|    1  9999
461 dest 2|  9999    1
462      3|  9999    3
463 Routing table for node 0.
464      next hop
465   ----|-----
466      0|    0
467      1|    1
468 dest 2|    2
469      3|    2
470
471 MAIN: rcv event, t=6.721, at 2 src: 0, dest: 2, contents:  0  1
      9999  8
472 Distance table has been updated.
473
474 Distance table of node 2 is:
475                via
476   D2 |    0    1    3
477   ----|-----
478      0|    1   11  9999
479 dest 1|    2   10    9
480      3|    9   17    2
481 Routing table for node 2.
482      next hop
483   ----|-----
484      0|    0
485      1|    0

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486 dest 2 |    2
487      3 |    3
488
489 MAIN: rcv event, t=6.764, at 2 src: 3, dest: 2, contents:    8    7
      9999    0
490 Distance table has been updated.
491
492 Distance table of node 2 is:
493                via
494   D2 |    0    1    3
495   ----|-----
496     0 |    1   11   10
497 dest 1 |    2   10    9
498     3 |    9   17    2
499 Routing table for node 2.
500       next hop
501   ----|-----
502     0 |    0
503     1 |    0
504 dest 2 |    2
505     3 |    3
506
507 MAIN: rcv event, t=6.871, at 2 src: 0, dest: 2, contents:    0    1
      9999 9999
508 Distance table has been updated.
509
510 Distance table of node 2 is:
511                via
512   D2 |    0    1    3
513   ----|-----
514     0 |    1   11   10
515 dest 1 |    2   10    9
516     3 | 9999   17    2
517 Routing table for node 2.
518       next hop
519   ----|-----
520     0 |    0
521     1 |    0
522 dest 2 |    2
523     3 |    3

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524
525 MAIN: rcv event, t=7.792, at 1 src: 3, dest: 1, contents: 3 4
      2 0
526 Distance table has not been updated.
527
528 Distance table of node 1 is:
529           via
530   D1 |    0    2    3
531   ----|-----
532     0|    1   11   10
533 dest 2|    2   10    9
534     3|    4   12    7
535 Routing table for node 1.
536           next hop
537   ----|-----
538     0|    0
539     1|    1
540 dest 2|    0
541     3|    0
542
543 MAIN: rcv event, t=8.698, at 2 src: 3, dest: 2, contents: 9999 7
      9999 0
544 Distance table has been updated.
545
546 Distance table of node 2 is:
547           via
548   D2 |    0    1    3
549   ----|-----
550     0|    1   11  9999
551 dest 1|    2   10    9
552     3|  9999   17    2
553 Routing table for node 2.
554           next hop
555   ----|-----
556     0|    0
557     1|    0
558 dest 2|    2
559     3|    3
560
561 MAIN: rcv event, t=9.708, at 2 src: 3, dest: 2, contents: 9999 9999

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```

9999 0
562 Distance table has been updated.
563
564 Distance table of node 2 is:
565           via
566   D2 |    0    1    3
567   ----|-----
568     0|    1   11  9999
569 dest 1|    2   10  9999
570     3|  9999   17    2
571 Routing table for node 2.
572           next hop
573   ----|-----
574     0|    0
575     1|    0
576 dest 2|    2
577     3|    3
578
579 MAIN: rcv event, t=9.896, at 2 src: 1, dest: 2, contents: 1 0
      2 4
580 Distance table has been updated.
581
582 Distance table of node 2 is:
583           via
584   D2 |    0    1    3
585   ----|-----
586     0|    1   11  9999
587 dest 1|    2   10  9999
588     3|  9999   14    2
589 Routing table for node 2.
590           next hop
591   ----|-----
592     0|    0
593     1|    0
594 dest 2|    2
595     3|    3
596
597 MAIN: rcv event, t=10000.000, at -1
598 Function linkhandler() has been called at t=10000.000000 for node 0
      since link cost from node 0 to 1 has been changed to 20.

```


599

600 Distance table has been updated.

601

602

603 Distance table of node 0 is:

604 via

605 D0 | 1 2

606 ----|-----

607 1| 20 9999

608 dest 2| 9999 1

609 3| 9999 3

610 Routing table for node 0.

611 next hop

612 ----|-----

613 0| 0

614 1| 1

615 dest 2| 2

616 3| 2

617

618 A packet has been sent from node 0 to node 1, contents = 0 9999 1 3

619 A packet has been sent from node 0 to node 2, contents = 0 20 9999
9999620 Function linkhandler() has been called at t=10000.000000 for node 1
since link cost from node 1 to 0 has been changed to 20.

621

622 Distance table has been updated.

623

624

625 Distance table of node 1 is:

626 via

627 D1 | 0 2 3

628 ----|-----

629 0| 20 11 10

630 dest 2| 9999 10 9

631 3| 9999 12 7

632 Routing table for node 1.

633 next hop

634 ----|-----

635 0| 3

636 1| 1

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637 dest 2 | 3
638      3 | 3
639
640 A packet has been sent from node 1 to node 0, contents = 10 0 9 7
641 A packet has been sent from node 1 to node 2, contents = 10 0 9 7
642 A packet has been sent from node 1 to node 3, contents = 9999 0 9999
    9999MAIN: rcv event, t=10000.796, at 1 src: 0, dest: 1, contents:
    0 9999 1 3
643 Distance table has been updated.
644
645 Distance table of node 1 is:
646           via
647   D1 | 0 2 3
648   ----|-----
649   0 | 20 11 10
650 dest 2 | 21 10 9
651      3 | 23 12 7
652 Routing table for node 1.
653           next hop
654   ----|-----
655   0 | 3
656   1 | 1
657 dest 2 | 3
658      3 | 3
659
660 MAIN: rcv event, t=10001.503, at 3 src: 1, dest: 3, contents: 9999
    0 9999 9999
661 Distance table has been updated.
662
663 Distance table of node 3 is:
664           via
665   D3 | 1 2
666   ----|-----
667   0 | 9999 3
668 dest 1 | 7 4
669      2 | 9999 2
670 Routing table for node 3.
671           next hop
672   ----|-----
673   0 | 2

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674      1|    2
675 dest 2|    2
676      3|    3
677
678 MAIN: rcv event, t=10001.695, at 2 src: 0, dest: 2, contents:  0
      20 9999 9999
679 Distance table has been updated.
680
681 Distance table of node 2 is:
682                via
683      D2 |    0    1    3
684      ----|-----
685          0|    1   11  9999
686 dest 1|   21   10  9999
687          3| 9999   14    2
688 Routing table for node 2.
689          next hop
690      ----|-----
691          0|    0
692          1|    1
693 dest 2|    2
694          3|    3
695
696 A packet has been sent from node 2 to node 0, contents = 9999 10 0 2
697 A packet has been sent from node 2 to node 1, contents = 1 9999 0 2
698 A packet has been sent from node 2 to node 3, contents = 1 10 0 9999
699 MAIN: rcv event, t=10001.915, at 0 src: 1, dest: 0, contents:  10
      0  9    7
700 Distance table has been updated.
701
702 Distance table of node 0 is:
703                via
704      D0 |    1    2
705      ----|-----
706          1|   20  9999
707 dest 2|   29    1
708          3|   27    3
709 Routing table for node 0.
710          next hop
711      ----|-----

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712      0|    0
713      1|    1
714 dest 2|    2
715      3|    2
716
717 MAIN: rcv event, t=10002.221, at 3 src: 2, dest: 3, contents:  1
      10  0 9999
718 Distance table has been updated.
719
720 Distance table of node 3 is:
721                        via
722   D3 |    1    2
723   ----|-----
724      0| 9999    3
725 dest 1|    7   12
726      2| 9999    2
727 Routing table for node 3.
728           next hop
729   ----|-----
730      0|    2
731      1|    1
732 dest 2|    2
733      3|    3
734
735 A packet has been sent from node 3 to node 1, contents = 3 9999 2 0
736 A packet has been sent from node 3 to node 2, contents = 9999 7 9999
      0
737 MAIN: rcv event, t=10002.457, at 0 src: 2, dest: 0, contents: 9999
      10  0  2
738 Distance table has been updated.
739
740 Distance table of node 0 is:
741                        via
742   D0 |    1    2
743   ----|-----
744      1|   20   11
745 dest 2|   29    1
746      3|   27    3
747 Routing table for node 0.
748           next hop

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749  ----|-----
750      0|      0
751      1|      2
752 dest 2|      2
753      3|      2
754
755 A packet has been sent from node 0 to node 1, contents = 0 11 1 3
756 A packet has been sent from node 0 to node 2, contents = 0 9999 9999
    9999
757 MAIN: rcv event, t=10002.909, at 1 src: 2, dest: 1, contents:  1
    9999  0  2
758 Distance table has not been updated.
759
760 Distance table of node 1 is:
761                via
762   D1 |      0      2      3
763   ----|-----
764      0|    20    11    10
765 dest 2|    21    10     9
766      3|    23    12     7
767 Routing table for node 1.
768         next hop
769   ----|-----
770      0|      3
771      1|      1
772 dest 2|      3
773      3|      3
774
775 MAIN: rcv event, t=10003.078, at 2 src: 1, dest: 2, contents: 10
    0  9  7
776 Distance table has been updated.
777
778 Distance table of node 2 is:
779                via
780   D2 |      0      1      3
781   ----|-----
782      0|      1    20  9999
783 dest 1|    21    10  9999
784      3|  9999    17     2
785 Routing table for node 2.

```

```

786             next hop
787  ----|-----
788      0|      0
789      1|      1
790 dest 2|      2
791      3|      3
792
793 MAIN: rcv event, t=10003.514, at 2 src: 3, dest: 2, contents: 9999
      7 9999 0
794 Distance table has been updated.
795
796 Distance table of node 2 is:
797             via
798      D2 |      0      1      3
799  ----|-----
800      0|      1      20      9999
801 dest 1|      21      10      9
802      3| 9999      17      2
803 Routing table for node 2.
804             next hop
805  ----|-----
806      0|      0
807      1|      3
808 dest 2|      2
809      3|      3
810
811 A packet has been sent from node 2 to node 0, contents = 9999 9 0 2
812 A packet has been sent from node 2 to node 1, contents = 1 9 0 2
813 A packet has been sent from node 2 to node 3, contents = 1 9999 0
      9999
814 MAIN: rcv event, t=10003.537, at 1 src: 3, dest: 1, contents: 3
      9999 2 0
815 Distance table has not been updated.
816
817 Distance table of node 1 is:
818             via
819      D1 |      0      2      3
820  ----|-----
821      0|      20      11      10
822 dest 2|      21      10      9

```

```

823      3|   23   12   7
824 Routing table for node 1.
825      next hop
826  ----|-----
827      0|    3
828      1|    1
829 dest 2|    3
830      3|    3
831
832 MAIN: rcv event, t=10003.553, at 1 src: 0, dest: 1, contents:  0
      11   1   3
833 Distance table has not been updated.
834
835 Distance table of node 1 is:
836      via
837  D1 |    0    2    3
838  ----|-----
839      0|   20   11   10
840 dest 2|   21   10    9
841      3|   23   12    7
842 Routing table for node 1.
843      next hop
844  ----|-----
845      0|    3
846      1|    1
847 dest 2|    3
848      3|    3
849
850 MAIN: rcv event, t=10003.745, at 2 src: 0, dest: 2, contents:  0
      9999 9999 9999
851 Distance table has been updated.
852
853 Distance table of node 2 is:
854      via
855  D2 |    0    1    3
856  ----|-----
857      0|    1   20  9999
858 dest 1|  9999   10    9
859      3|  9999   17    2
860 Routing table for node 2.

```

```

861          next hop
862  ----|-----
863      0|      0
864      1|      3
865 dest 2|      2
866      3|      3
867
868 MAIN: rcv event, t=10004.351, at 3 src: 2, dest: 3, contents: 1
      9999 0 9999
869 Distance table has been updated.
870
871 Distance table of node 3 is:
872          via
873      D3 |      1      2
874  ----|-----
875      0|  9999      3
876 dest 1|      7  9999
877      2|  9999      2
878 Routing table for node 3.
879          next hop
880  ----|-----
881      0|      2
882      1|      1
883 dest 2|      2
884      3|      3
885
886 MAIN: rcv event, t=10004.758, at 0 src: 2, dest: 0, contents: 9999
      9 0 2
887 Distance table has been updated.
888
889 Distance table of node 0 is:
890          via
891      D0 |      1      2
892  ----|-----
893      1|  20      10
894 dest 2|  29      1
895      3|  27      3
896 Routing table for node 0.
897          next hop
898  ----|-----

```



```

899      0|  0
900      1|  2
901 dest 2|  2
902      3|  2
903
904 A packet has been sent from node 0 to node 1, contents = 0 10 1 3
905 A packet has been sent from node 0 to node 2, contents = 0 9999 9999
    9999
906 MAIN: rcv event, t=10005.182, at 2 src: 0, dest: 2, contents:  0
    9999 9999 9999
907 Distance table has not been updated.
908
909 Distance table of node 2 is:
910                via
911   D2 |    0    1    3
912   ----|-----
913      0|    1    20  9999
914 dest 1|  9999    10    9
915      3|  9999    17    2
916 Routing table for node 2.
917       next hop
918   ----|-----
919      0|    0
920      1|    3
921 dest 2|    2
922      3|    3
923
924 MAIN: rcv event, t=10005.526, at 1 src: 2, dest: 1, contents:  1
    9  0  2
925 Distance table has not been updated.
926
927 Distance table of node 1 is:
928                via
929   D1 |    0    2    3
930   ----|-----
931      0|   20   11   10
932 dest 2|   21   10    9
933      3|   23   12    7
934 Routing table for node 1.
935       next hop

```

```

936  ----|-----
937      0|      3
938      1|      1
939 dest 2|      3
940      3|      3
941
942 MAIN: rcv event, t=10005.597, at 1 src: 0, dest: 1, contents:  0
      10  1  3
943 Distance table has not been updated.
944
945 Distance table of node 1 is:
946                via
947   D1 |      0      2      3
948  ----|-----
949      0|     20     11     10
950 dest 2|     21     10      9
951      3|     23     12      7
952 Routing table for node 1.
953       next hop
954  ----|-----
955      0|      3
956      1|      1
957 dest 2|      3
958      3|      3
959
960 MAIN: rcv event, t=20000.000, at -1
961 Function linkhandler() has been called at t=20000.000000 for node 0
      since link cost from node 0 to 1 has been changed to 1.
962
963 Distance table has been updated.
964
965
966 Distance table of node 0 is:
967                via
968   D0 |      1      2
969  ----|-----
970      1|      1     10
971 dest 2|    9999      1
972      3|    9999      3
973 Routing table for node 0.

```

```

974         next hop
975     ----|-----
976         0|    0
977         1|    1
978 dest 2|    2
979         3|    2
980
981 A packet has been sent from node 0 to node 1, contents = 0 9999 1 3
982 A packet has been sent from node 0 to node 2, contents = 0 1 9999
983     9999
984 Function linkhandler() has been called at t=20000.000000 for node 1
985     since link cost from node 1 to 0 has been changed to 1.
986
987
988 Distance table of node 1 is:
989             via
990     D1 |    0    2    3
991     ----|-----
992         0|    1    11   10
993 dest 2|  9999   10    9
994         3|  9999   12    7
995 Routing table for node 1.
996         next hop
997     ----|-----
998         0|    0
999         1|    1
1000 dest 2|    3
1001         3|    3
1002
1003 A packet has been sent from node 1 to node 0, contents = 9999 0 9 7
1004 A packet has been sent from node 1 to node 2, contents = 1 0 9 7
1005 A packet has been sent from node 1 to node 3, contents = 1 0 9999
1006     9999MAIN: rcv event, t=20000.019, at 3 src: 1, dest: 3, contents:
1007     1 0 9999 9999
1008 Distance table has been updated.
1009
1010 Distance table of node 3 is:
1011             via

```

```

1010    D3 |    1    2
1011  ----|-----
1012    0 |    8    3
1013 dest 1 |    7  9999
1014    2 |  9999    2
1015 Routing table for node 3.
1016        next hop
1017  ----|-----
1018    0 |    2
1019    1 |    1
1020 dest 2 |    2
1021    3 |    3
1022
1023 MAIN: rcv event, t=20000.022, at 0 src: 1, dest: 0, contents: 9999
      0  9  7
1024 Distance table has been updated.
1025
1026 Distance table of node 0 is:
1027                via
1028    D0 |    1    2
1029  ----|-----
1030    1 |    1   10
1031 dest 2 |   10    1
1032    3 |    8    3
1033 Routing table for node 0.
1034        next hop
1035  ----|-----
1036    0 |    0
1037    1 |    1
1038 dest 2 |    2
1039    3 |    2
1040
1041 MAIN: rcv event, t=20000.421, at 2 src: 0, dest: 2, contents:  0
      1 9999 9999
1042 Distance table has been updated.
1043
1044 Distance table of node 2 is:
1045                via
1046    D2 |    0    1    3
1047  ----|-----

```

```

1048      0|    1    20  9999
1049 dest 1|    2    10    9
1050      3|  9999    17    2
1051 Routing table for node 2.
1052      next hop
1053  ----|-----
1054      0|    0
1055      1|    0
1056 dest 2|    2
1057      3|    3
1058
1059 A packet has been sent from node 2 to node 0, contents = 9999 9999 0
2
1060 A packet has been sent from node 2 to node 1, contents = 1 2 0 2
1061 A packet has been sent from node 2 to node 3, contents = 1 2 0 9999
1062 MAIN: rcv event, t=20000.699, at 1 src: 0, dest: 1, contents:  0
9999  1  3
1063 Distance table has been updated.
1064
1065 Distance table of node 1 is:
1066      via
1067  D1 |    0    2    3
1068  ----|-----
1069      0|    1    11    10
1070 dest 2|    2    10    9
1071      3|    4    12    7
1072 Routing table for node 1.
1073      next hop
1074  ----|-----
1075      0|    0
1076      1|    1
1077 dest 2|    0
1078      3|    0
1079
1080 A packet has been sent from node 1 to node 0, contents = 9999 0 9999
9999
1081 A packet has been sent from node 1 to node 2, contents = 1 0 2 4
1082 A packet has been sent from node 1 to node 3, contents = 1 0 2 4
1083 MAIN: rcv event, t=20001.739, at 0 src: 2, dest: 0, contents: 9999
9999  0  2

```

1084 Distance table has been updated.

1085

1086 Distance table of node 0 is:

1087 via

1088 D0 | 1 2

1089 - - - - | - - - - - - - - - - - - - - - -

1090 1 | 1 9999

```
1091 dest 2|    10    1
```

1092 31 8 3

1093 Routing table for node 0.

```
1094         next hop
```

1095 - - - - | - - - - - - - - - -

1096 01 0

1097 11 1

```
1098 dest 21      2
```

1099 31 2

1100

```
1101 MAIN: rcv event, t=20002.052, at 2 src: 1, dest: 2, contents: 1
           0 9 7
```

1102 Distance table has been updated.

1103

1104 Distance table of node 2 is:

1105 via

1106 D2 | 0 1 3

1107 -----|-----

1108 0 | 1 11 9999

```
1109 dest 1|      2      10      9
```

1110 3 | 9999 17 2

1111 Routing table for node 2.

```
1112         next hop
```

1113 - - - - | - - - - - - - - - -

1114 01 0

1115 11 0

```
1116 dest 2| 2
```

1117 31 3

1118

```
1119 MAIN: rcv event, t=20002.211, at 3 src: 2, dest: 3, contents: 1
          2 0 9999
```

1120 Distance table has been updated.

1121

1122 Distance table of node 3 is:

```

1123           via
1124   D3 |    1    2
1125   ----|-----
1126     0|    8    3
1127 dest 1|    7    4
1128     2| 9999    2

```

1129 Routing table for node 3.

```

1130           next hop
1131   ----|-----
1132     0|    2
1133     1|    2
1134 dest 2|    2
1135     3|    3

```

1136

1137 A packet has been sent from node 3 to node 1, contents = 3 4 2 0

1138 A packet has been sent from node 3 to node 2, contents = 9999 9999
9999 0

1139 MAIN: rcv event, t=20002.309, at 1 src: 2, dest: 1, contents: 1
2 0 2

1140 Distance table has not been updated.

1141

1142 Distance table of node 1 is:

```

1143           via
1144   D1 |    0    2    3
1145   ----|-----
1146     0|    1   11   10
1147 dest 2|    2   10    9
1148     3|    4   12    7

```

1149 Routing table for node 1.

```

1150           next hop
1151   ----|-----
1152     0|    0
1153     1|    1
1154 dest 2|    0
1155     3|    0

```

1156

1157 MAIN: rcv event, t=20002.679, at 0 src: 1, dest: 0, contents: 9999
0 9999 9999

1158 Distance table has been updated.

```

1159
1160 Distance table of node 0 is:
1161           via
1162   D0 |    1    2
1163   ----|-----
1164     1|    1  9999
1165 dest 2|  9999    1
1166     3|  9999    3
1167 Routing table for node 0.
1168           next hop
1169   ----|-----
1170     0|    0
1171     1|    1
1172 dest 2|    2
1173     3|    2
1174
1175 MAIN: rcv event, t=20003.013, at 1 src: 3, dest: 1, contents:  3
      4  2  0
1176 Distance table has not been updated.
1177
1178 Distance table of node 1 is:
1179           via
1180   D1 |    0    2    3
1181   ----|-----
1182     0|    1   11   10
1183 dest 2|    2   10    9
1184     3|    4   12    7
1185 Routing table for node 1.
1186           next hop
1187   ----|-----
1188     0|    0
1189     1|    1
1190 dest 2|    0
1191     3|    0
1192
1193 MAIN: rcv event, t=20003.661, at 2 src: 1, dest: 2, contents:  1
      0  2  4
1194 Distance table has been updated.
1195
1196 Distance table of node 2 is:

```



```

1197
1198      D2 |      0      1      3
1199  ----|-----
1200      0|      1      11     9999
1201 dest 1|      2      10      9
1202      3| 9999      14      2
1203 Routing table for node 2.
1204      next hop
1205  ----|-----
1206      0|      0
1207      1|      0
1208 dest 2|      2
1209      3|      3
1210
1211 MAIN: rcv event, t=20004.166, at 3 src: 1, dest: 3, contents: 1
      0  2  4
1212 Distance table has been updated.
1213
1214 Distance table of node 3 is:
1215
1216      D3 |      1      2
1217  ----|-----
1218      0|      8      3
1219 dest 1|      7      4
1220      2|      9      2
1221 Routing table for node 3.
1222      next hop
1223  ----|-----
1224      0|      2
1225      1|      2
1226 dest 2|      2
1227      3|      3
1228
1229 MAIN: rcv event, t=20004.197, at 2 src: 3, dest: 2, contents: 9999
      9999 9999  0
1230 Distance table has been updated.
1231
1232 Distance table of node 2 is:
1233
1234      D2 |      0      1      3

```

```

1235  ----|-----
1236      0|      1      11      9999
1237 dest 1|      2      10      9999
1238      3| 9999      14      2
1239 Routing table for node 2.
1240      next hop
1241  ----|-----
1242      0|      0
1243      1|      0
1244 dest 2|      2
1245      3|      3
1246
1247
1248 Simulator terminated at t=20004.196844, no packets in medium
1249 Simulator terminated at time 20004.196844386122
1250

```