**Results**

**Topology 1:**

---------------------------- FINAL ROUTING TABLE ----------------------------

Node: 4

Routing Table:

Des: 1 Cost: 220 Next-Hop: 3

Des: 2 Cost: 669 Next-Hop: 2

Des: 3 Cost: 196 Next-Hop: 3

Des: 0 Cost: 960 Next-Hop: 2

Neighbors: [1, 2, 3]

Node: 1

Routing Table:

Des: 4 Cost: 220 Next-Hop: 3

Des: 0 Cost: 907 Next-Hop: 0

Des: 3 Cost: 24 Next-Hop: 3

Des: 2 Cost: 746 Next-Hop: 3

Neighbors: [4, 0, 3]

Node: 2

Routing Table:

Des: 4 Cost: 669 Next-Hop: 4

Des: 3 Cost: 722 Next-Hop: 3

Des: 0 Cost: 291 Next-Hop: 0

Des: 1 Cost: 746 Next-Hop: 3

Neighbors: [4, 3, 0]

Node: 3

Routing Table:

Des: 2 Cost: 722 Next-Hop: 2

Des: 4 Cost: 196 Next-Hop: 4

Des: 1 Cost: 24 Next-Hop: 1

Des: 0 Cost: 931 Next-Hop: 1

Neighbors: [2, 4, 1]

Node: 0

Routing Table:

Des: 1 Cost: 907 Next-Hop: 1

Des: 2 Cost: 291 Next-Hop: 2

Des: 4 Cost: 960 Next-Hop: 2

Des: 3 Cost: 931 Next-Hop: 1

Neighbors: [1, 2]

1. How many rounds did it take each network to converge?

Total rounds till convergence: 2

2. What is the ID of the last node to converge in each network?

ID of last node used for convergence: 2

3. How many DV messages were sent in total until each network converged?

Total number of DV packets till convergence: 28

1. For the first topology: node 0 receives a data packet destined to node 3.

Sending packet with source "0" and destination "3"

Packet is sent to node: 1

Packet is sent to node: 3

Packet arrived at the destination: 3

**Topology 2:**

---------------------------- FINAL ROUTING TABLE ----------------------------

Node: 9

Routing Table:

Des: 4 Cost: 723 Next-Hop: 4

Des: 2 Cost: 310 Next-Hop: 2

Des: 8 Cost: 406 Next-Hop: 2

Des: 6 Cost: 796 Next-Hop: 2

Des: 0 Cost: 711 Next-Hop: 0

Des: 3 Cost: 1331 Next-Hop: 4

Des: 5 Cost: 630 Next-Hop: 2

Des: 1 Cost: 1374 Next-Hop: 2

Des: 7 Cost: 535 Next-Hop: 2

Neighbors: [4, 2, 8, 6, 0]

Node: 4

Routing Table:

Des: 9 Cost: 723 Next-Hop: 9

Des: 8 Cost: 574 Next-Hop: 6

Des: 3 Cost: 608 Next-Hop: 3

Des: 5 Cost: 627 Next-Hop: 5

Des: 0 Cost: 722 Next-Hop: 5

Des: 6 Cost: 184 Next-Hop: 6

Des: 2 Cost: 670 Next-Hop: 6

Des: 1 Cost: 776 Next-Hop: 6

Des: 7 Cost: 703 Next-Hop: 6

Neighbors: [9, 8, 3, 5, 0, 6]

Node: 2

Routing Table:

Des: 9 Cost: 310 Next-Hop: 9

Des: 8 Cost: 96 Next-Hop: 8

Des: 6 Cost: 486 Next-Hop: 8

Des: 4 Cost: 670 Next-Hop: 8

Des: 0 Cost: 415 Next-Hop: 8

Des: 3 Cost: 1278 Next-Hop: 8

Des: 5 Cost: 320 Next-Hop: 8

Des: 1 Cost: 1064 Next-Hop: 8

Des: 7 Cost: 225 Next-Hop: 8

Neighbors: [9, 8, 6]

Node: 8

Routing Table:

Des: 4 Cost: 574 Next-Hop: 6

Des: 9 Cost: 406 Next-Hop: 2

Des: 6 Cost: 390 Next-Hop: 6

Des: 1 Cost: 968 Next-Hop: 1

Des: 7 Cost: 129 Next-Hop: 7

Des: 2 Cost: 96 Next-Hop: 2

Des: 3 Cost: 1182 Next-Hop: 6

Des: 5 Cost: 224 Next-Hop: 7

Des: 0 Cost: 319 Next-Hop: 7

Neighbors: [4, 9, 6, 1, 7, 2]

Node: 6

Routing Table:

Des: 8 Cost: 390 Next-Hop: 8

Des: 9 Cost: 796 Next-Hop: 8

Des: 1 Cost: 592 Next-Hop: 1

Des: 7 Cost: 519 Next-Hop: 8

Des: 2 Cost: 486 Next-Hop: 8

Des: 4 Cost: 184 Next-Hop: 4

Des: 3 Cost: 792 Next-Hop: 4

Des: 5 Cost: 614 Next-Hop: 8

Des: 0 Cost: 709 Next-Hop: 8

Neighbors: [8, 9, 1, 7, 2, 4]

Node: 1

Routing Table:

Des: 6 Cost: 592 Next-Hop: 6

Des: 8 Cost: 968 Next-Hop: 8

Des: 3 Cost: 446 Next-Hop: 3

Des: 9 Cost: 1374 Next-Hop: 8

Des: 7 Cost: 1097 Next-Hop: 8

Des: 2 Cost: 1064 Next-Hop: 8

Des: 4 Cost: 776 Next-Hop: 6

Des: 5 Cost: 1192 Next-Hop: 8

Des: 0 Cost: 1287 Next-Hop: 8

Neighbors: [6, 8, 3]

Node: 3

Routing Table:

Des: 1 Cost: 446 Next-Hop: 1

Des: 4 Cost: 608 Next-Hop: 4

Des: 6 Cost: 792 Next-Hop: 4

Des: 8 Cost: 1182 Next-Hop: 4

Des: 9 Cost: 1331 Next-Hop: 4

Des: 7 Cost: 1311 Next-Hop: 4

Des: 2 Cost: 1278 Next-Hop: 4

Des: 5 Cost: 1235 Next-Hop: 4

Des: 0 Cost: 1330 Next-Hop: 4

Neighbors: [1, 4]

Node: 7

Routing Table:

Des: 8 Cost: 129 Next-Hop: 8

Des: 6 Cost: 519 Next-Hop: 8

Des: 5 Cost: 95 Next-Hop: 5

Des: 4 Cost: 703 Next-Hop: 8

Des: 9 Cost: 535 Next-Hop: 8

Des: 1 Cost: 1097 Next-Hop: 8

Des: 2 Cost: 225 Next-Hop: 8

Des: 3 Cost: 1311 Next-Hop: 8

Des: 0 Cost: 190 Next-Hop: 5

Neighbors: [8, 6, 5]

Node: 5

Routing Table:

Des: 7 Cost: 95 Next-Hop: 7

Des: 4 Cost: 627 Next-Hop: 4

Des: 0 Cost: 95 Next-Hop: 0

Des: 8 Cost: 224 Next-Hop: 7

Des: 6 Cost: 614 Next-Hop: 7

Des: 9 Cost: 630 Next-Hop: 7

Des: 1 Cost: 1192 Next-Hop: 7

Des: 2 Cost: 320 Next-Hop: 7

Des: 3 Cost: 1235 Next-Hop: 4

Neighbors: [7, 4, 0]

Node: 0

Routing Table:

Des: 9 Cost: 711 Next-Hop: 9

Des: 5 Cost: 95 Next-Hop: 5

Des: 4 Cost: 722 Next-Hop: 5

Des: 2 Cost: 415 Next-Hop: 5

Des: 8 Cost: 319 Next-Hop: 5

Des: 6 Cost: 709 Next-Hop: 5

Des: 3 Cost: 1330 Next-Hop: 5

Des: 1 Cost: 1287 Next-Hop: 5

Des: 7 Cost: 190 Next-Hop: 5

Neighbors: [9, 5, 4]

1. How many rounds did it take each network to converge?

Total rounds till convergence: 3

2. What is the ID of the last node to converge in each network?

ID of last node used for convergence: 8

3. How many DV messages were sent in total until each network converged?

Total number of DV packets till convergence: 120

1. For the first topology: node 0 receives a data packet destined to node 7.

Sending packet with source "0" and destination "7"

Packet is sent to node: 5

Packet is sent to node: 7

Packet has arrived! It is in node: 7

**Topology 3:**

---------------------------- FINAL ROUTING TABLE ----------------------------

Node: 23

Routing Table:

Des: 15 Cost: 67 Next-Hop: 15

Des: 8 Cost: 119 Next-Hop: 8

Des: 16 Cost: 524 Next-Hop: 29

Des: 21 Cost: 280 Next-Hop: 21

Des: 29 Cost: 163 Next-Hop: 29

Des: 24 Cost: 229 Next-Hop: 24

Des: 22 Cost: 176 Next-Hop: 8

Des: 6 Cost: 547 Next-Hop: 29

Des: 4 Cost: 761 Next-Hop: 15

Des: 28 Cost: 313 Next-Hop: 15

Des: 7 Cost: 344 Next-Hop: 29

Des: 17 Cost: 228 Next-Hop: 8

Des: 2 Cost: 445 Next-Hop: 8

Des: 9 Cost: 540 Next-Hop: 8

Des: 1 Cost: 717 Next-Hop: 8

Des: 19 Cost: 751 Next-Hop: 29

Des: 26 Cost: 588 Next-Hop: 29

Des: 13 Cost: 1279 Next-Hop: 29

Des: 3 Cost: 656 Next-Hop: 21

Des: 11 Cost: 267 Next-Hop: 29

Des: 27 Cost: 444 Next-Hop: 8

Des: 10 Cost: 220 Next-Hop: 8

Des: 0 Cost: 1093 Next-Hop: 8

Des: 14 Cost: 518 Next-Hop: 8

Des: 5 Cost: 937 Next-Hop: 29

Des: 18 Cost: 1537 Next-Hop: 29

Des: 12 Cost: 958 Next-Hop: 29

Des: 25 Cost: 1022 Next-Hop: 8

Des: 20 Cost: 843 Next-Hop: 29

Neighbors: [15, 8, 16, 21, 29, 24]

Node: 15

Routing Table:

Des: 23 Cost: 67 Next-Hop: 23

Des: 16 Cost: 591 Next-Hop: 23

Des: 22 Cost: 243 Next-Hop: 23

Des: 21 Cost: 347 Next-Hop: 23

Des: 6 Cost: 614 Next-Hop: 23

Des: 4 Cost: 694 Next-Hop: 4

Des: 28 Cost: 246 Next-Hop: 28

Des: 8 Cost: 186 Next-Hop: 23

Des: 29 Cost: 230 Next-Hop: 23

Des: 24 Cost: 296 Next-Hop: 23

Des: 7 Cost: 411 Next-Hop: 23

Des: 17 Cost: 295 Next-Hop: 23

Des: 2 Cost: 512 Next-Hop: 23

Des: 9 Cost: 607 Next-Hop: 23

Des: 1 Cost: 741 Next-Hop: 4

Des: 19 Cost: 818 Next-Hop: 23

Des: 26 Cost: 655 Next-Hop: 23

Des: 13 Cost: 1346 Next-Hop: 23

Des: 3 Cost: 723 Next-Hop: 23

Des: 11 Cost: 334 Next-Hop: 23

Des: 27 Cost: 511 Next-Hop: 23

Des: 10 Cost: 287 Next-Hop: 23

Des: 0 Cost: 1160 Next-Hop: 23

Des: 14 Cost: 585 Next-Hop: 23

Des: 5 Cost: 1004 Next-Hop: 23

Des: 18 Cost: 1604 Next-Hop: 23

Des: 12 Cost: 1006 Next-Hop: 4

Des: 25 Cost: 1089 Next-Hop: 23

Des: 20 Cost: 910 Next-Hop: 23

Neighbors: [23, 16, 22, 21, 6, 4, 28]

Node: 8

Routing Table:

Des: 23 Cost: 119 Next-Hop: 23

Des: 7 Cost: 463 Next-Hop: 23

Des: 22 Cost: 57 Next-Hop: 22

Des: 17 Cost: 109 Next-Hop: 17

Des: 2 Cost: 326 Next-Hop: 22

Des: 15 Cost: 186 Next-Hop: 23

Des: 16 Cost: 437 Next-Hop: 17

Des: 21 Cost: 399 Next-Hop: 23

Des: 29 Cost: 282 Next-Hop: 23

Des: 24 Cost: 348 Next-Hop: 23

Des: 6 Cost: 460 Next-Hop: 17

Des: 4 Cost: 645 Next-Hop: 22

Des: 28 Cost: 432 Next-Hop: 23

Des: 9 Cost: 421 Next-Hop: 17

Des: 1 Cost: 598 Next-Hop: 22

Des: 19 Cost: 664 Next-Hop: 17

Des: 26 Cost: 501 Next-Hop: 17

Des: 13 Cost: 1192 Next-Hop: 17

Des: 3 Cost: 775 Next-Hop: 23

Des: 11 Cost: 386 Next-Hop: 23

Des: 27 Cost: 325 Next-Hop: 22

Des: 10 Cost: 101 Next-Hop: 22

Des: 0 Cost: 974 Next-Hop: 22

Des: 14 Cost: 399 Next-Hop: 22

Des: 5 Cost: 850 Next-Hop: 17

Des: 18 Cost: 1450 Next-Hop: 17

Des: 12 Cost: 863 Next-Hop: 22

Des: 25 Cost: 903 Next-Hop: 22

Des: 20 Cost: 756 Next-Hop: 17

Neighbors: [23, 7, 22, 17, 2]

Node: 16

Routing Table:

Des: 23 Cost: 524 Next-Hop: 7

Des: 15 Cost: 591 Next-Hop: 7

Des: 7 Cost: 180 Next-Hop: 7

Des: 9 Cost: 16 Next-Hop: 9

Des: 6 Cost: 23 Next-Hop: 6

Des: 1 Cost: 699 Next-Hop: 26

Des: 19 Cost: 227 Next-Hop: 19

Des: 26 Cost: 64 Next-Hop: 26

Des: 13 Cost: 755 Next-Hop: 13

Des: 8 Cost: 437 Next-Hop: 9

Des: 21 Cost: 804 Next-Hop: 7

Des: 29 Cost: 361 Next-Hop: 7

Des: 24 Cost: 667 Next-Hop: 7

Des: 22 Cost: 494 Next-Hop: 9

Des: 4 Cost: 746 Next-Hop: 26

Des: 28 Cost: 558 Next-Hop: 6

Des: 17 Cost: 328 Next-Hop: 9

Des: 2 Cost: 336 Next-Hop: 6

Des: 3 Cost: 709 Next-Hop: 6

Des: 11 Cost: 465 Next-Hop: 7

Des: 27 Cost: 762 Next-Hop: 9

Des: 10 Cost: 538 Next-Hop: 9

Des: 0 Cost: 573 Next-Hop: 26

Des: 14 Cost: 263 Next-Hop: 6

Des: 5 Cost: 413 Next-Hop: 6

Des: 18 Cost: 1013 Next-Hop: 19

Des: 12 Cost: 434 Next-Hop: 26

Des: 25 Cost: 1253 Next-Hop: 26

Des: 20 Cost: 319 Next-Hop: 26

Neighbors: [23, 15, 7, 9, 6, 1, 19, 26, 13]

Node: 7

Routing Table:

Des: 16 Cost: 180 Next-Hop: 16

Des: 8 Cost: 463 Next-Hop: 29

Des: 9 Cost: 196 Next-Hop: 16

Des: 29 Cost: 181 Next-Hop: 29

Des: 11 Cost: 285 Next-Hop: 29

Des: 27 Cost: 788 Next-Hop: 29

Des: 23 Cost: 344 Next-Hop: 29

Des: 15 Cost: 411 Next-Hop: 29

Des: 6 Cost: 203 Next-Hop: 16

Des: 1 Cost: 879 Next-Hop: 16

Des: 19 Cost: 407 Next-Hop: 16

Des: 26 Cost: 244 Next-Hop: 16

Des: 13 Cost: 935 Next-Hop: 16

Des: 21 Cost: 624 Next-Hop: 29

Des: 24 Cost: 487 Next-Hop: 29

Des: 22 Cost: 520 Next-Hop: 29

Des: 4 Cost: 926 Next-Hop: 16

Des: 28 Cost: 657 Next-Hop: 29

Des: 17 Cost: 508 Next-Hop: 16

Des: 2 Cost: 516 Next-Hop: 16

Des: 3 Cost: 889 Next-Hop: 16

Des: 10 Cost: 564 Next-Hop: 29

Des: 0 Cost: 753 Next-Hop: 16

Des: 14 Cost: 443 Next-Hop: 16

Des: 5 Cost: 593 Next-Hop: 16

Des: 18 Cost: 1193 Next-Hop: 16

Des: 12 Cost: 614 Next-Hop: 16

Des: 25 Cost: 1366 Next-Hop: 29

Des: 20 Cost: 499 Next-Hop: 16

Neighbors: [16, 8, 9, 29, 11, 27]

Node: 22

Routing Table:

Des: 8 Cost: 57 Next-Hop: 8

Des: 15 Cost: 243 Next-Hop: 8

Des: 1 Cost: 541 Next-Hop: 10

Des: 27 Cost: 268 Next-Hop: 27

Des: 17 Cost: 166 Next-Hop: 8

Des: 2 Cost: 269 Next-Hop: 2

Des: 10 Cost: 44 Next-Hop: 10

Des: 0 Cost: 917 Next-Hop: 0

Des: 23 Cost: 176 Next-Hop: 8

Des: 7 Cost: 520 Next-Hop: 8

Des: 16 Cost: 494 Next-Hop: 8

Des: 21 Cost: 456 Next-Hop: 8

Des: 29 Cost: 339 Next-Hop: 8

Des: 24 Cost: 405 Next-Hop: 8

Des: 6 Cost: 517 Next-Hop: 8

Des: 4 Cost: 588 Next-Hop: 10

Des: 28 Cost: 489 Next-Hop: 8

Des: 9 Cost: 478 Next-Hop: 8

Des: 19 Cost: 721 Next-Hop: 8

Des: 26 Cost: 558 Next-Hop: 8

Des: 13 Cost: 1249 Next-Hop: 8

Des: 3 Cost: 832 Next-Hop: 8

Des: 11 Cost: 443 Next-Hop: 8

Des: 14 Cost: 342 Next-Hop: 2

Des: 5 Cost: 907 Next-Hop: 8

Des: 18 Cost: 1507 Next-Hop: 8

Des: 12 Cost: 806 Next-Hop: 10

Des: 25 Cost: 846 Next-Hop: 27

Des: 20 Cost: 813 Next-Hop: 8

Neighbors: [8, 15, 1, 27, 17, 2, 10, 0]

Node: 9

Routing Table:

Des: 7 Cost: 196 Next-Hop: 16

Des: 16 Cost: 16 Next-Hop: 16

Des: 19 Cost: 243 Next-Hop: 16

Des: 17 Cost: 312 Next-Hop: 17

Des: 8 Cost: 421 Next-Hop: 17

Des: 29 Cost: 377 Next-Hop: 16

Des: 11 Cost: 481 Next-Hop: 16

Des: 27 Cost: 746 Next-Hop: 17

Des: 23 Cost: 540 Next-Hop: 16

Des: 15 Cost: 607 Next-Hop: 16

Des: 6 Cost: 39 Next-Hop: 16

Des: 1 Cost: 715 Next-Hop: 16

Des: 26 Cost: 80 Next-Hop: 16

Des: 13 Cost: 771 Next-Hop: 16

Des: 21 Cost: 820 Next-Hop: 16

Des: 24 Cost: 683 Next-Hop: 16

Des: 22 Cost: 478 Next-Hop: 17

Des: 4 Cost: 762 Next-Hop: 16

Des: 28 Cost: 574 Next-Hop: 16

Des: 2 Cost: 352 Next-Hop: 16

Des: 3 Cost: 725 Next-Hop: 16

Des: 10 Cost: 522 Next-Hop: 17

Des: 0 Cost: 589 Next-Hop: 16

Des: 14 Cost: 279 Next-Hop: 16

Des: 5 Cost: 429 Next-Hop: 16

Des: 18 Cost: 1029 Next-Hop: 16

Des: 12 Cost: 450 Next-Hop: 16

Des: 25 Cost: 1269 Next-Hop: 16

Des: 20 Cost: 335 Next-Hop: 16

Neighbors: [7, 16, 19, 17]

Node: 21

Routing Table:

Des: 15 Cost: 347 Next-Hop: 23

Des: 23 Cost: 280 Next-Hop: 23

Des: 3 Cost: 376 Next-Hop: 3

Des: 16 Cost: 804 Next-Hop: 23

Des: 22 Cost: 456 Next-Hop: 23

Des: 6 Cost: 827 Next-Hop: 23

Des: 4 Cost: 1041 Next-Hop: 23

Des: 28 Cost: 593 Next-Hop: 23

Des: 8 Cost: 399 Next-Hop: 23

Des: 29 Cost: 443 Next-Hop: 23

Des: 24 Cost: 509 Next-Hop: 23

Des: 7 Cost: 624 Next-Hop: 23

Des: 17 Cost: 508 Next-Hop: 23

Des: 2 Cost: 725 Next-Hop: 23

Des: 9 Cost: 820 Next-Hop: 23

Des: 1 Cost: 997 Next-Hop: 23

Des: 19 Cost: 1031 Next-Hop: 23

Des: 26 Cost: 868 Next-Hop: 23

Des: 13 Cost: 1559 Next-Hop: 23

Des: 11 Cost: 547 Next-Hop: 23

Des: 27 Cost: 724 Next-Hop: 23

Des: 10 Cost: 500 Next-Hop: 23

Des: 0 Cost: 1373 Next-Hop: 23

Des: 14 Cost: 798 Next-Hop: 23

Des: 5 Cost: 1217 Next-Hop: 23

Des: 18 Cost: 1817 Next-Hop: 23

Des: 12 Cost: 1238 Next-Hop: 23

Des: 25 Cost: 1302 Next-Hop: 23

Des: 20 Cost: 1123 Next-Hop: 23

Neighbors: [15, 23, 3]

Node: 6

Routing Table:

Des: 15 Cost: 614 Next-Hop: 16

Des: 16 Cost: 23 Next-Hop: 16

Des: 14 Cost: 240 Next-Hop: 14

Des: 4 Cost: 769 Next-Hop: 16

Des: 3 Cost: 686 Next-Hop: 3

Des: 28 Cost: 535 Next-Hop: 28

Des: 5 Cost: 390 Next-Hop: 5

Des: 23 Cost: 547 Next-Hop: 16

Des: 22 Cost: 517 Next-Hop: 16

Des: 21 Cost: 827 Next-Hop: 16

Des: 8 Cost: 460 Next-Hop: 16

Des: 29 Cost: 384 Next-Hop: 16

Des: 24 Cost: 690 Next-Hop: 16

Des: 7 Cost: 203 Next-Hop: 16

Des: 17 Cost: 351 Next-Hop: 16

Des: 2 Cost: 313 Next-Hop: 14

Des: 9 Cost: 39 Next-Hop: 16

Des: 1 Cost: 722 Next-Hop: 16

Des: 19 Cost: 250 Next-Hop: 16

Des: 26 Cost: 87 Next-Hop: 16

Des: 13 Cost: 778 Next-Hop: 16

Des: 11 Cost: 488 Next-Hop: 16

Des: 27 Cost: 785 Next-Hop: 16

Des: 10 Cost: 561 Next-Hop: 16

Des: 0 Cost: 596 Next-Hop: 16

Des: 18 Cost: 1036 Next-Hop: 16

Des: 12 Cost: 457 Next-Hop: 16

Des: 25 Cost: 1276 Next-Hop: 16

Des: 20 Cost: 342 Next-Hop: 16

Neighbors: [15, 16, 14, 4, 3, 28, 5]

Node: 1

Routing Table:

Des: 16 Cost: 699 Next-Hop: 12

Des: 22 Cost: 541 Next-Hop: 10

Des: 14 Cost: 840 Next-Hop: 14

Des: 4 Cost: 47 Next-Hop: 4

Des: 12 Cost: 265 Next-Hop: 12

Des: 28 Cost: 498 Next-Hop: 28

Des: 25 Cost: 554 Next-Hop: 25

Des: 10 Cost: 497 Next-Hop: 10

Des: 23 Cost: 717 Next-Hop: 10

Des: 15 Cost: 741 Next-Hop: 4

Des: 7 Cost: 879 Next-Hop: 12

Des: 9 Cost: 715 Next-Hop: 12

Des: 6 Cost: 722 Next-Hop: 12

Des: 19 Cost: 926 Next-Hop: 12

Des: 26 Cost: 635 Next-Hop: 12

Des: 13 Cost: 1454 Next-Hop: 12

Des: 8 Cost: 598 Next-Hop: 10

Des: 21 Cost: 997 Next-Hop: 10

Des: 29 Cost: 880 Next-Hop: 10

Des: 24 Cost: 946 Next-Hop: 10

Des: 17 Cost: 707 Next-Hop: 10

Des: 2 Cost: 810 Next-Hop: 10

Des: 3 Cost: 1373 Next-Hop: 10

Des: 11 Cost: 984 Next-Hop: 10

Des: 27 Cost: 809 Next-Hop: 10

Des: 0 Cost: 1144 Next-Hop: 12

Des: 5 Cost: 1112 Next-Hop: 12

Des: 18 Cost: 1067 Next-Hop: 4

Des: 20 Cost: 890 Next-Hop: 12

Neighbors: [16, 22, 14, 4, 12, 28, 25, 10]

Node: 29

Routing Table:

Des: 7 Cost: 181 Next-Hop: 7

Des: 23 Cost: 163 Next-Hop: 23

Des: 24 Cost: 306 Next-Hop: 24

Des: 11 Cost: 104 Next-Hop: 11

Des: 16 Cost: 361 Next-Hop: 7

Des: 8 Cost: 282 Next-Hop: 23

Des: 9 Cost: 377 Next-Hop: 7

Des: 27 Cost: 607 Next-Hop: 23

Des: 15 Cost: 230 Next-Hop: 23

Des: 6 Cost: 384 Next-Hop: 7

Des: 1 Cost: 880 Next-Hop: 23

Des: 19 Cost: 588 Next-Hop: 7

Des: 26 Cost: 425 Next-Hop: 7

Des: 13 Cost: 1116 Next-Hop: 7

Des: 21 Cost: 443 Next-Hop: 23

Des: 22 Cost: 339 Next-Hop: 23

Des: 4 Cost: 924 Next-Hop: 23

Des: 28 Cost: 476 Next-Hop: 23

Des: 17 Cost: 391 Next-Hop: 23

Des: 2 Cost: 608 Next-Hop: 23

Des: 3 Cost: 819 Next-Hop: 23

Des: 10 Cost: 383 Next-Hop: 23

Des: 0 Cost: 934 Next-Hop: 7

Des: 14 Cost: 624 Next-Hop: 7

Des: 5 Cost: 774 Next-Hop: 7

Des: 18 Cost: 1374 Next-Hop: 7

Des: 12 Cost: 795 Next-Hop: 7

Des: 25 Cost: 1185 Next-Hop: 23

Des: 20 Cost: 680 Next-Hop: 7

Neighbors: [7, 23, 24, 11]

Node: 14

Routing Table:

Des: 6 Cost: 240 Next-Hop: 6

Des: 1 Cost: 840 Next-Hop: 1

Des: 2 Cost: 73 Next-Hop: 2

Des: 15 Cost: 585 Next-Hop: 2

Des: 16 Cost: 263 Next-Hop: 6

Des: 4 Cost: 887 Next-Hop: 1

Des: 3 Cost: 926 Next-Hop: 6

Des: 28 Cost: 775 Next-Hop: 6

Des: 5 Cost: 630 Next-Hop: 6

Des: 23 Cost: 518 Next-Hop: 2

Des: 22 Cost: 342 Next-Hop: 2

Des: 21 Cost: 798 Next-Hop: 2

Des: 8 Cost: 399 Next-Hop: 2

Des: 29 Cost: 624 Next-Hop: 6

Des: 24 Cost: 747 Next-Hop: 2

Des: 7 Cost: 443 Next-Hop: 6

Des: 17 Cost: 508 Next-Hop: 2

Des: 9 Cost: 279 Next-Hop: 6

Des: 19 Cost: 490 Next-Hop: 6

Des: 26 Cost: 327 Next-Hop: 6

Des: 13 Cost: 1018 Next-Hop: 6

Des: 11 Cost: 728 Next-Hop: 6

Des: 27 Cost: 610 Next-Hop: 2

Des: 10 Cost: 386 Next-Hop: 2

Des: 0 Cost: 836 Next-Hop: 6

Des: 18 Cost: 1276 Next-Hop: 6

Des: 12 Cost: 697 Next-Hop: 6

Des: 25 Cost: 1188 Next-Hop: 2

Des: 20 Cost: 582 Next-Hop: 6

Neighbors: [6, 1, 2]

Node: 24

Routing Table:

Des: 23 Cost: 229 Next-Hop: 23

Des: 29 Cost: 306 Next-Hop: 29

Des: 15 Cost: 296 Next-Hop: 23

Des: 8 Cost: 348 Next-Hop: 23

Des: 16 Cost: 667 Next-Hop: 29

Des: 21 Cost: 509 Next-Hop: 23

Des: 22 Cost: 405 Next-Hop: 23

Des: 6 Cost: 690 Next-Hop: 29

Des: 4 Cost: 990 Next-Hop: 23

Des: 28 Cost: 542 Next-Hop: 23

Des: 7 Cost: 487 Next-Hop: 29

Des: 17 Cost: 457 Next-Hop: 23

Des: 2 Cost: 674 Next-Hop: 23

Des: 9 Cost: 683 Next-Hop: 29

Des: 1 Cost: 946 Next-Hop: 23

Des: 19 Cost: 894 Next-Hop: 29

Des: 26 Cost: 731 Next-Hop: 29

Des: 13 Cost: 1422 Next-Hop: 29

Des: 3 Cost: 885 Next-Hop: 23

Des: 11 Cost: 410 Next-Hop: 29

Des: 27 Cost: 673 Next-Hop: 23

Des: 10 Cost: 449 Next-Hop: 23

Des: 0 Cost: 1240 Next-Hop: 29

Des: 14 Cost: 747 Next-Hop: 23

Des: 5 Cost: 1080 Next-Hop: 29

Des: 18 Cost: 1680 Next-Hop: 29

Des: 12 Cost: 1101 Next-Hop: 29

Des: 25 Cost: 1251 Next-Hop: 23

Des: 20 Cost: 986 Next-Hop: 29

Neighbors: [23, 29]

Node: 4

Routing Table:

Des: 1 Cost: 47 Next-Hop: 1

Des: 6 Cost: 769 Next-Hop: 1

Des: 26 Cost: 682 Next-Hop: 1

Des: 18 Cost: 1020 Next-Hop: 18

Des: 15 Cost: 694 Next-Hop: 15

Des: 16 Cost: 746 Next-Hop: 1

Des: 22 Cost: 588 Next-Hop: 1

Des: 14 Cost: 887 Next-Hop: 1

Des: 12 Cost: 312 Next-Hop: 1

Des: 28 Cost: 545 Next-Hop: 1

Des: 25 Cost: 601 Next-Hop: 1

Des: 10 Cost: 544 Next-Hop: 1

Des: 23 Cost: 761 Next-Hop: 15

Des: 7 Cost: 926 Next-Hop: 1

Des: 9 Cost: 762 Next-Hop: 1

Des: 19 Cost: 973 Next-Hop: 1

Des: 13 Cost: 1501 Next-Hop: 1

Des: 8 Cost: 645 Next-Hop: 1

Des: 21 Cost: 1041 Next-Hop: 15

Des: 29 Cost: 924 Next-Hop: 15

Des: 24 Cost: 990 Next-Hop: 15

Des: 17 Cost: 754 Next-Hop: 1

Des: 2 Cost: 857 Next-Hop: 1

Des: 3 Cost: 1417 Next-Hop: 15

Des: 11 Cost: 1028 Next-Hop: 15

Des: 27 Cost: 856 Next-Hop: 1

Des: 0 Cost: 1191 Next-Hop: 1

Des: 5 Cost: 1159 Next-Hop: 1

Des: 20 Cost: 937 Next-Hop: 1

Neighbors: [1, 6, 26, 18, 15]

Node: 19

Routing Table:

Des: 16 Cost: 227 Next-Hop: 16

Des: 9 Cost: 243 Next-Hop: 16

Des: 18 Cost: 786 Next-Hop: 18

Des: 23 Cost: 751 Next-Hop: 16

Des: 15 Cost: 818 Next-Hop: 16

Des: 7 Cost: 407 Next-Hop: 16

Des: 6 Cost: 250 Next-Hop: 16

Des: 1 Cost: 926 Next-Hop: 16

Des: 26 Cost: 291 Next-Hop: 16

Des: 13 Cost: 982 Next-Hop: 16

Des: 8 Cost: 664 Next-Hop: 16

Des: 21 Cost: 1031 Next-Hop: 16

Des: 29 Cost: 588 Next-Hop: 16

Des: 24 Cost: 894 Next-Hop: 16

Des: 22 Cost: 721 Next-Hop: 16

Des: 4 Cost: 973 Next-Hop: 16

Des: 28 Cost: 785 Next-Hop: 16

Des: 17 Cost: 555 Next-Hop: 16

Des: 2 Cost: 563 Next-Hop: 16

Des: 3 Cost: 936 Next-Hop: 16

Des: 11 Cost: 692 Next-Hop: 16

Des: 27 Cost: 989 Next-Hop: 16

Des: 10 Cost: 765 Next-Hop: 16

Des: 0 Cost: 800 Next-Hop: 16

Des: 14 Cost: 490 Next-Hop: 16

Des: 5 Cost: 640 Next-Hop: 16

Des: 12 Cost: 661 Next-Hop: 16

Des: 25 Cost: 1480 Next-Hop: 16

Des: 20 Cost: 546 Next-Hop: 16

Neighbors: [16, 9, 18]

Node: 26

Routing Table:

Des: 4 Cost: 682 Next-Hop: 12

Des: 16 Cost: 64 Next-Hop: 16

Des: 12 Cost: 370 Next-Hop: 12

Des: 20 Cost: 255 Next-Hop: 20

Des: 1 Cost: 635 Next-Hop: 12

Des: 6 Cost: 87 Next-Hop: 16

Des: 18 Cost: 1077 Next-Hop: 16

Des: 15 Cost: 655 Next-Hop: 16

Des: 22 Cost: 558 Next-Hop: 16

Des: 14 Cost: 327 Next-Hop: 16

Des: 28 Cost: 622 Next-Hop: 16

Des: 25 Cost: 1189 Next-Hop: 12

Des: 10 Cost: 602 Next-Hop: 16

Des: 23 Cost: 588 Next-Hop: 16

Des: 7 Cost: 244 Next-Hop: 16

Des: 9 Cost: 80 Next-Hop: 16

Des: 19 Cost: 291 Next-Hop: 16

Des: 13 Cost: 819 Next-Hop: 16

Des: 8 Cost: 501 Next-Hop: 16

Des: 21 Cost: 868 Next-Hop: 16

Des: 29 Cost: 425 Next-Hop: 16

Des: 24 Cost: 731 Next-Hop: 16

Des: 17 Cost: 392 Next-Hop: 16

Des: 2 Cost: 400 Next-Hop: 16

Des: 3 Cost: 773 Next-Hop: 16

Des: 11 Cost: 529 Next-Hop: 16

Des: 27 Cost: 826 Next-Hop: 16

Des: 0 Cost: 509 Next-Hop: 20

Des: 5 Cost: 477 Next-Hop: 16

Neighbors: [4, 16, 12, 20]

Node: 11

Routing Table:

Des: 7 Cost: 285 Next-Hop: 29

Des: 29 Cost: 104 Next-Hop: 29

Des: 16 Cost: 465 Next-Hop: 29

Des: 8 Cost: 386 Next-Hop: 29

Des: 9 Cost: 481 Next-Hop: 29

Des: 27 Cost: 711 Next-Hop: 29

Des: 23 Cost: 267 Next-Hop: 29

Des: 15 Cost: 334 Next-Hop: 29

Des: 6 Cost: 488 Next-Hop: 29

Des: 1 Cost: 984 Next-Hop: 29

Des: 19 Cost: 692 Next-Hop: 29

Des: 26 Cost: 529 Next-Hop: 29

Des: 13 Cost: 1220 Next-Hop: 29

Des: 21 Cost: 547 Next-Hop: 29

Des: 24 Cost: 410 Next-Hop: 29

Des: 22 Cost: 443 Next-Hop: 29

Des: 4 Cost: 1028 Next-Hop: 29

Des: 28 Cost: 580 Next-Hop: 29

Des: 17 Cost: 495 Next-Hop: 29

Des: 2 Cost: 712 Next-Hop: 29

Des: 3 Cost: 923 Next-Hop: 29

Des: 10 Cost: 487 Next-Hop: 29

Des: 0 Cost: 1038 Next-Hop: 29

Des: 14 Cost: 728 Next-Hop: 29

Des: 5 Cost: 878 Next-Hop: 29

Des: 18 Cost: 1478 Next-Hop: 29

Des: 12 Cost: 899 Next-Hop: 29

Des: 25 Cost: 1289 Next-Hop: 29

Des: 20 Cost: 784 Next-Hop: 29

Neighbors: [7, 29]

Node: 18

Routing Table:

Des: 4 Cost: 1020 Next-Hop: 4

Des: 19 Cost: 786 Next-Hop: 19

Des: 1 Cost: 1067 Next-Hop: 4

Des: 6 Cost: 1036 Next-Hop: 19

Des: 26 Cost: 1077 Next-Hop: 19

Des: 15 Cost: 1604 Next-Hop: 19

Des: 16 Cost: 1013 Next-Hop: 19

Des: 22 Cost: 1507 Next-Hop: 19

Des: 14 Cost: 1276 Next-Hop: 19

Des: 12 Cost: 1332 Next-Hop: 4

Des: 28 Cost: 1565 Next-Hop: 4

Des: 25 Cost: 1621 Next-Hop: 4

Des: 10 Cost: 1551 Next-Hop: 19

Des: 23 Cost: 1537 Next-Hop: 19

Des: 7 Cost: 1193 Next-Hop: 19

Des: 9 Cost: 1029 Next-Hop: 19

Des: 13 Cost: 1768 Next-Hop: 19

Des: 8 Cost: 1450 Next-Hop: 19

Des: 21 Cost: 1817 Next-Hop: 19

Des: 29 Cost: 1374 Next-Hop: 19

Des: 24 Cost: 1680 Next-Hop: 19

Des: 17 Cost: 1341 Next-Hop: 19

Des: 2 Cost: 1349 Next-Hop: 19

Des: 3 Cost: 1722 Next-Hop: 19

Des: 11 Cost: 1478 Next-Hop: 19

Des: 27 Cost: 1775 Next-Hop: 19

Des: 0 Cost: 1586 Next-Hop: 19

Des: 5 Cost: 1426 Next-Hop: 19

Des: 20 Cost: 1332 Next-Hop: 19

Neighbors: [4, 19]

Node: 3

Routing Table:

Des: 21 Cost: 376 Next-Hop: 21

Des: 6 Cost: 686 Next-Hop: 6

Des: 15 Cost: 723 Next-Hop: 21

Des: 23 Cost: 656 Next-Hop: 21

Des: 16 Cost: 709 Next-Hop: 6

Des: 22 Cost: 832 Next-Hop: 21

Des: 4 Cost: 1417 Next-Hop: 21

Des: 28 Cost: 969 Next-Hop: 21

Des: 8 Cost: 775 Next-Hop: 21

Des: 29 Cost: 819 Next-Hop: 21

Des: 24 Cost: 885 Next-Hop: 21

Des: 7 Cost: 889 Next-Hop: 6

Des: 17 Cost: 884 Next-Hop: 21

Des: 2 Cost: 999 Next-Hop: 6

Des: 9 Cost: 725 Next-Hop: 6

Des: 1 Cost: 1373 Next-Hop: 21

Des: 19 Cost: 936 Next-Hop: 6

Des: 26 Cost: 773 Next-Hop: 6

Des: 13 Cost: 1464 Next-Hop: 6

Des: 11 Cost: 923 Next-Hop: 21

Des: 27 Cost: 1100 Next-Hop: 21

Des: 10 Cost: 876 Next-Hop: 21

Des: 0 Cost: 1282 Next-Hop: 6

Des: 14 Cost: 926 Next-Hop: 6

Des: 5 Cost: 1076 Next-Hop: 6

Des: 18 Cost: 1722 Next-Hop: 6

Des: 12 Cost: 1143 Next-Hop: 6

Des: 25 Cost: 1678 Next-Hop: 21

Des: 20 Cost: 1028 Next-Hop: 6

Neighbors: [21, 6]

Node: 12

Routing Table:

Des: 1 Cost: 265 Next-Hop: 1

Des: 26 Cost: 370 Next-Hop: 26

Des: 16 Cost: 434 Next-Hop: 26

Des: 22 Cost: 806 Next-Hop: 1

Des: 14 Cost: 697 Next-Hop: 26

Des: 4 Cost: 312 Next-Hop: 1

Des: 28 Cost: 763 Next-Hop: 1

Des: 25 Cost: 819 Next-Hop: 1

Des: 10 Cost: 762 Next-Hop: 1

Des: 23 Cost: 958 Next-Hop: 26

Des: 15 Cost: 1006 Next-Hop: 1

Des: 7 Cost: 614 Next-Hop: 26

Des: 9 Cost: 450 Next-Hop: 26

Des: 6 Cost: 457 Next-Hop: 26

Des: 19 Cost: 661 Next-Hop: 26

Des: 13 Cost: 1189 Next-Hop: 26

Des: 8 Cost: 863 Next-Hop: 1

Des: 21 Cost: 1238 Next-Hop: 26

Des: 29 Cost: 795 Next-Hop: 26

Des: 24 Cost: 1101 Next-Hop: 26

Des: 17 Cost: 762 Next-Hop: 26

Des: 2 Cost: 770 Next-Hop: 26

Des: 3 Cost: 1143 Next-Hop: 26

Des: 11 Cost: 899 Next-Hop: 26

Des: 27 Cost: 1074 Next-Hop: 1

Des: 0 Cost: 879 Next-Hop: 26

Des: 5 Cost: 847 Next-Hop: 26

Des: 18 Cost: 1332 Next-Hop: 1

Des: 20 Cost: 625 Next-Hop: 26

Neighbors: [1, 26]

Node: 27

Routing Table:

Des: 22 Cost: 268 Next-Hop: 22

Des: 7 Cost: 788 Next-Hop: 22

Des: 25 Cost: 578 Next-Hop: 25

Des: 8 Cost: 325 Next-Hop: 22

Des: 15 Cost: 511 Next-Hop: 22

Des: 1 Cost: 809 Next-Hop: 22

Des: 17 Cost: 434 Next-Hop: 22

Des: 2 Cost: 537 Next-Hop: 22

Des: 10 Cost: 312 Next-Hop: 22

Des: 0 Cost: 1185 Next-Hop: 22

Des: 23 Cost: 444 Next-Hop: 22

Des: 16 Cost: 762 Next-Hop: 22

Des: 21 Cost: 724 Next-Hop: 22

Des: 29 Cost: 607 Next-Hop: 22

Des: 24 Cost: 673 Next-Hop: 22

Des: 6 Cost: 785 Next-Hop: 22

Des: 4 Cost: 856 Next-Hop: 22

Des: 28 Cost: 757 Next-Hop: 22

Des: 9 Cost: 746 Next-Hop: 22

Des: 19 Cost: 989 Next-Hop: 22

Des: 26 Cost: 826 Next-Hop: 22

Des: 13 Cost: 1517 Next-Hop: 22

Des: 3 Cost: 1100 Next-Hop: 22

Des: 11 Cost: 711 Next-Hop: 22

Des: 14 Cost: 610 Next-Hop: 22

Des: 5 Cost: 1175 Next-Hop: 22

Des: 18 Cost: 1775 Next-Hop: 22

Des: 12 Cost: 1074 Next-Hop: 22

Des: 20 Cost: 1081 Next-Hop: 22

Neighbors: [22, 7, 25]

Node: 17

Routing Table:

Des: 9 Cost: 312 Next-Hop: 9

Des: 22 Cost: 166 Next-Hop: 8

Des: 8 Cost: 109 Next-Hop: 8

Des: 7 Cost: 508 Next-Hop: 9

Des: 16 Cost: 328 Next-Hop: 9

Des: 19 Cost: 555 Next-Hop: 9

Des: 29 Cost: 391 Next-Hop: 8

Des: 11 Cost: 495 Next-Hop: 8

Des: 27 Cost: 434 Next-Hop: 8

Des: 23 Cost: 228 Next-Hop: 8

Des: 15 Cost: 295 Next-Hop: 8

Des: 6 Cost: 351 Next-Hop: 9

Des: 1 Cost: 707 Next-Hop: 8

Des: 26 Cost: 392 Next-Hop: 9

Des: 13 Cost: 1083 Next-Hop: 9

Des: 21 Cost: 508 Next-Hop: 8

Des: 24 Cost: 457 Next-Hop: 8

Des: 4 Cost: 754 Next-Hop: 8

Des: 28 Cost: 541 Next-Hop: 8

Des: 2 Cost: 435 Next-Hop: 8

Des: 3 Cost: 884 Next-Hop: 8

Des: 10 Cost: 210 Next-Hop: 8

Des: 0 Cost: 901 Next-Hop: 9

Des: 14 Cost: 508 Next-Hop: 8

Des: 5 Cost: 741 Next-Hop: 9

Des: 18 Cost: 1341 Next-Hop: 9

Des: 12 Cost: 762 Next-Hop: 9

Des: 25 Cost: 1012 Next-Hop: 8

Des: 20 Cost: 647 Next-Hop: 9

Neighbors: [9, 22, 8]

Node: 2

Routing Table:

Des: 22 Cost: 269 Next-Hop: 22

Des: 14 Cost: 73 Next-Hop: 14

Des: 13 Cost: 986 Next-Hop: 13

Des: 5 Cost: 703 Next-Hop: 14

Des: 8 Cost: 326 Next-Hop: 22

Des: 15 Cost: 512 Next-Hop: 22

Des: 1 Cost: 810 Next-Hop: 22

Des: 27 Cost: 537 Next-Hop: 22

Des: 17 Cost: 435 Next-Hop: 22

Des: 10 Cost: 313 Next-Hop: 22

Des: 0 Cost: 909 Next-Hop: 14

Des: 23 Cost: 445 Next-Hop: 22

Des: 7 Cost: 516 Next-Hop: 14

Des: 16 Cost: 336 Next-Hop: 14

Des: 21 Cost: 725 Next-Hop: 22

Des: 29 Cost: 608 Next-Hop: 22

Des: 24 Cost: 674 Next-Hop: 22

Des: 6 Cost: 313 Next-Hop: 14

Des: 4 Cost: 857 Next-Hop: 22

Des: 28 Cost: 758 Next-Hop: 22

Des: 9 Cost: 352 Next-Hop: 14

Des: 19 Cost: 563 Next-Hop: 14

Des: 26 Cost: 400 Next-Hop: 14

Des: 3 Cost: 999 Next-Hop: 14

Des: 11 Cost: 712 Next-Hop: 22

Des: 18 Cost: 1349 Next-Hop: 14

Des: 12 Cost: 770 Next-Hop: 14

Des: 25 Cost: 1115 Next-Hop: 22

Des: 20 Cost: 655 Next-Hop: 14

Neighbors: [22, 14, 13, 5, 8]

Node: 13

Routing Table:

Des: 16 Cost: 755 Next-Hop: 16

Des: 2 Cost: 986 Next-Hop: 2

Des: 20 Cost: 1001 Next-Hop: 20

Des: 23 Cost: 1279 Next-Hop: 16

Des: 15 Cost: 1346 Next-Hop: 16

Des: 7 Cost: 935 Next-Hop: 16

Des: 9 Cost: 771 Next-Hop: 16

Des: 6 Cost: 778 Next-Hop: 16

Des: 1 Cost: 1454 Next-Hop: 16

Des: 19 Cost: 982 Next-Hop: 16

Des: 26 Cost: 819 Next-Hop: 16

Des: 8 Cost: 1192 Next-Hop: 16

Des: 21 Cost: 1559 Next-Hop: 16

Des: 29 Cost: 1116 Next-Hop: 16

Des: 24 Cost: 1422 Next-Hop: 16

Des: 22 Cost: 1249 Next-Hop: 16

Des: 4 Cost: 1501 Next-Hop: 16

Des: 28 Cost: 1313 Next-Hop: 16

Des: 17 Cost: 1083 Next-Hop: 16

Des: 3 Cost: 1464 Next-Hop: 16

Des: 11 Cost: 1220 Next-Hop: 16

Des: 27 Cost: 1517 Next-Hop: 16

Des: 10 Cost: 1293 Next-Hop: 16

Des: 0 Cost: 1255 Next-Hop: 20

Des: 14 Cost: 1018 Next-Hop: 16

Des: 5 Cost: 1168 Next-Hop: 16

Des: 18 Cost: 1768 Next-Hop: 16

Des: 12 Cost: 1189 Next-Hop: 16

Des: 25 Cost: 2008 Next-Hop: 16

Neighbors: [16, 2, 20]

Node: 28

Routing Table:

Des: 6 Cost: 535 Next-Hop: 6

Des: 1 Cost: 498 Next-Hop: 1

Des: 15 Cost: 246 Next-Hop: 15

Des: 16 Cost: 558 Next-Hop: 6

Des: 14 Cost: 775 Next-Hop: 6

Des: 4 Cost: 545 Next-Hop: 1

Des: 3 Cost: 969 Next-Hop: 15

Des: 5 Cost: 925 Next-Hop: 6

Des: 23 Cost: 313 Next-Hop: 15

Des: 22 Cost: 489 Next-Hop: 15

Des: 21 Cost: 593 Next-Hop: 15

Des: 8 Cost: 432 Next-Hop: 15

Des: 29 Cost: 476 Next-Hop: 15

Des: 24 Cost: 542 Next-Hop: 15

Des: 7 Cost: 657 Next-Hop: 15

Des: 17 Cost: 541 Next-Hop: 15

Des: 2 Cost: 758 Next-Hop: 15

Des: 9 Cost: 574 Next-Hop: 6

Des: 19 Cost: 785 Next-Hop: 6

Des: 26 Cost: 622 Next-Hop: 6

Des: 13 Cost: 1313 Next-Hop: 6

Des: 11 Cost: 580 Next-Hop: 15

Des: 27 Cost: 757 Next-Hop: 15

Des: 10 Cost: 533 Next-Hop: 15

Des: 0 Cost: 1131 Next-Hop: 6

Des: 18 Cost: 1565 Next-Hop: 1

Des: 12 Cost: 763 Next-Hop: 1

Des: 25 Cost: 1052 Next-Hop: 1

Des: 20 Cost: 877 Next-Hop: 6

Neighbors: [6, 1, 15]

Node: 20

Routing Table:

Des: 13 Cost: 1001 Next-Hop: 13

Des: 26 Cost: 255 Next-Hop: 26

Des: 0 Cost: 254 Next-Hop: 0

Des: 16 Cost: 319 Next-Hop: 26

Des: 2 Cost: 655 Next-Hop: 26

Des: 23 Cost: 843 Next-Hop: 26

Des: 15 Cost: 910 Next-Hop: 26

Des: 7 Cost: 499 Next-Hop: 26

Des: 9 Cost: 335 Next-Hop: 26

Des: 6 Cost: 342 Next-Hop: 26

Des: 1 Cost: 890 Next-Hop: 26

Des: 19 Cost: 546 Next-Hop: 26

Des: 8 Cost: 756 Next-Hop: 26

Des: 21 Cost: 1123 Next-Hop: 26

Des: 29 Cost: 680 Next-Hop: 26

Des: 24 Cost: 986 Next-Hop: 26

Des: 22 Cost: 813 Next-Hop: 26

Des: 4 Cost: 937 Next-Hop: 26

Des: 28 Cost: 877 Next-Hop: 26

Des: 17 Cost: 647 Next-Hop: 26

Des: 3 Cost: 1028 Next-Hop: 26

Des: 11 Cost: 784 Next-Hop: 26

Des: 27 Cost: 1081 Next-Hop: 26

Des: 10 Cost: 857 Next-Hop: 26

Des: 14 Cost: 582 Next-Hop: 26

Des: 5 Cost: 732 Next-Hop: 26

Des: 18 Cost: 1332 Next-Hop: 26

Des: 12 Cost: 625 Next-Hop: 26

Des: 25 Cost: 1444 Next-Hop: 26

Neighbors: [13, 26, 0]

Node: 25

Routing Table:

Des: 27 Cost: 578 Next-Hop: 27

Des: 1 Cost: 554 Next-Hop: 1

Des: 22 Cost: 846 Next-Hop: 27

Des: 7 Cost: 1366 Next-Hop: 27

Des: 8 Cost: 903 Next-Hop: 27

Des: 15 Cost: 1089 Next-Hop: 27

Des: 17 Cost: 1012 Next-Hop: 27

Des: 2 Cost: 1115 Next-Hop: 27

Des: 10 Cost: 890 Next-Hop: 27

Des: 0 Cost: 1698 Next-Hop: 1

Des: 23 Cost: 1022 Next-Hop: 27

Des: 16 Cost: 1253 Next-Hop: 1

Des: 21 Cost: 1302 Next-Hop: 27

Des: 29 Cost: 1185 Next-Hop: 27

Des: 24 Cost: 1251 Next-Hop: 27

Des: 6 Cost: 1276 Next-Hop: 1

Des: 4 Cost: 601 Next-Hop: 1

Des: 28 Cost: 1052 Next-Hop: 1

Des: 9 Cost: 1269 Next-Hop: 1

Des: 19 Cost: 1480 Next-Hop: 1

Des: 26 Cost: 1189 Next-Hop: 1

Des: 13 Cost: 2008 Next-Hop: 1

Des: 3 Cost: 1678 Next-Hop: 27

Des: 11 Cost: 1289 Next-Hop: 27

Des: 14 Cost: 1188 Next-Hop: 27

Des: 5 Cost: 1666 Next-Hop: 1

Des: 18 Cost: 1621 Next-Hop: 1

Des: 12 Cost: 819 Next-Hop: 1

Des: 20 Cost: 1444 Next-Hop: 1

Neighbors: [27, 1]

Node: 10

Routing Table:

Des: 1 Cost: 497 Next-Hop: 1

Des: 22 Cost: 44 Next-Hop: 22

Des: 16 Cost: 538 Next-Hop: 22

Des: 14 Cost: 386 Next-Hop: 22

Des: 4 Cost: 544 Next-Hop: 1

Des: 12 Cost: 762 Next-Hop: 1

Des: 28 Cost: 533 Next-Hop: 22

Des: 25 Cost: 890 Next-Hop: 22

Des: 23 Cost: 220 Next-Hop: 22

Des: 15 Cost: 287 Next-Hop: 22

Des: 7 Cost: 564 Next-Hop: 22

Des: 9 Cost: 522 Next-Hop: 22

Des: 6 Cost: 561 Next-Hop: 22

Des: 19 Cost: 765 Next-Hop: 22

Des: 26 Cost: 602 Next-Hop: 22

Des: 13 Cost: 1293 Next-Hop: 22

Des: 8 Cost: 101 Next-Hop: 22

Des: 21 Cost: 500 Next-Hop: 22

Des: 29 Cost: 383 Next-Hop: 22

Des: 24 Cost: 449 Next-Hop: 22

Des: 17 Cost: 210 Next-Hop: 22

Des: 2 Cost: 313 Next-Hop: 22

Des: 3 Cost: 876 Next-Hop: 22

Des: 11 Cost: 487 Next-Hop: 22

Des: 27 Cost: 312 Next-Hop: 22

Des: 0 Cost: 961 Next-Hop: 22

Des: 5 Cost: 951 Next-Hop: 22

Des: 18 Cost: 1551 Next-Hop: 22

Des: 20 Cost: 857 Next-Hop: 22

Neighbors: [1, 22]

Node: 5

Routing Table:

Des: 6 Cost: 390 Next-Hop: 6

Des: 2 Cost: 703 Next-Hop: 6

Des: 15 Cost: 1004 Next-Hop: 6

Des: 16 Cost: 413 Next-Hop: 6

Des: 14 Cost: 630 Next-Hop: 6

Des: 4 Cost: 1159 Next-Hop: 6

Des: 3 Cost: 1076 Next-Hop: 6

Des: 28 Cost: 925 Next-Hop: 6

Des: 23 Cost: 937 Next-Hop: 6

Des: 22 Cost: 907 Next-Hop: 6

Des: 21 Cost: 1217 Next-Hop: 6

Des: 8 Cost: 850 Next-Hop: 6

Des: 29 Cost: 774 Next-Hop: 6

Des: 24 Cost: 1080 Next-Hop: 6

Des: 7 Cost: 593 Next-Hop: 6

Des: 17 Cost: 741 Next-Hop: 6

Des: 9 Cost: 429 Next-Hop: 6

Des: 1 Cost: 1112 Next-Hop: 6

Des: 19 Cost: 640 Next-Hop: 6

Des: 26 Cost: 477 Next-Hop: 6

Des: 13 Cost: 1168 Next-Hop: 6

Des: 11 Cost: 878 Next-Hop: 6

Des: 27 Cost: 1175 Next-Hop: 6

Des: 10 Cost: 951 Next-Hop: 6

Des: 0 Cost: 986 Next-Hop: 6

Des: 18 Cost: 1426 Next-Hop: 6

Des: 12 Cost: 847 Next-Hop: 6

Des: 25 Cost: 1666 Next-Hop: 6

Des: 20 Cost: 732 Next-Hop: 6

Neighbors: [6, 2]

Node: 0

Routing Table:

Des: 20 Cost: 254 Next-Hop: 20

Des: 22 Cost: 917 Next-Hop: 22

Des: 13 Cost: 1255 Next-Hop: 20

Des: 26 Cost: 509 Next-Hop: 20

Des: 16 Cost: 573 Next-Hop: 20

Des: 2 Cost: 909 Next-Hop: 20

Des: 23 Cost: 1093 Next-Hop: 22

Des: 15 Cost: 1160 Next-Hop: 22

Des: 7 Cost: 753 Next-Hop: 20

Des: 9 Cost: 589 Next-Hop: 20

Des: 6 Cost: 596 Next-Hop: 20

Des: 1 Cost: 1144 Next-Hop: 20

Des: 19 Cost: 800 Next-Hop: 20

Des: 8 Cost: 974 Next-Hop: 22

Des: 21 Cost: 1373 Next-Hop: 22

Des: 29 Cost: 934 Next-Hop: 20

Des: 24 Cost: 1240 Next-Hop: 20

Des: 4 Cost: 1191 Next-Hop: 20

Des: 28 Cost: 1131 Next-Hop: 20

Des: 17 Cost: 901 Next-Hop: 20

Des: 3 Cost: 1282 Next-Hop: 20

Des: 11 Cost: 1038 Next-Hop: 20

Des: 27 Cost: 1185 Next-Hop: 22

Des: 10 Cost: 961 Next-Hop: 22

Des: 14 Cost: 836 Next-Hop: 20

Des: 5 Cost: 986 Next-Hop: 20

Des: 18 Cost: 1586 Next-Hop: 20

Des: 12 Cost: 879 Next-Hop: 20

Des: 25 Cost: 1698 Next-Hop: 20

Neighbors: [20, 22]

1. How many rounds did it take each network to converge?

Total rounds till convergence: 3

2. What is the ID of the last node to converge in each network?

ID of last node used for convergence: 6

3. How many DV messages were sent in total until each network converged?

Total number of DV packets till convergence: 360

1. For the first topology: node 0 receives a data packet destined to node 23.

Sending packet with source "0" and destination "23"

Packet is sent to node: 22

Packet is sent to node: 8

Packet is sent to node: 23

Packet has arrived! It is in node: 23