Test 1:

Cycle Cancelling:

Initial:

From: -1 To: 0 Capacity: 4 Cost :0

From: 0 To: 1 Capacity: 4 Cost :2

From: 0 To: 2 Capacity: 2 Cost :2

From: 1 To: 2 Capacity: 2 Cost :1

From: 1 To: 3 Capacity: 3 Cost :3

From: 2 To: 3 Capacity: 5 Cost :1

From: 3 To: 4 Capacity: 4 Cost :0

Final Network:

From: -1 To: 0 flow: 4 Cost :0

From: 0 To: 1 flow: 2 Cost :2

From: 0 To: 2 flow: 2 Cost :2

From: 1 To: 2 flow: 2 Cost :1

From: 1 To: 3 flow: 0 Cost :3

From: 2 To: 3 flow: 4 Cost :1

From: 3 To: 4 flow: 4 Cost :0

n: 6 m: 7 Time taken: 0.43s

Successive Shortest Path:

Initial:

From: 0 To: 1 Capacity: 4 Cost :2

From: 0 To: 2 Capacity: 2 Cost :2

From: 1 To: 2 Capacity: 2 Cost :1

From: 1 To: 3 Capacity: 3 Cost :3

From: 2 To: 3 Capacity: 5 Cost :1

Final Network:

From: 0 To: 1 flow: 2 Cost :2

From: 0 To: 2 flow: 2 Cost :2

From: 1 To: 2 flow: 2 Cost :1

From: 1 To: 3 flow: 0 Cost :3

From: 2 To: 3 flow: 4 Cost :1

n: 4 m: 5 Time taken: 0.07s

Test 2:

Cycle Cancelling:

From: -1 To: 0 Capacity: 5 Cost :0

From: -1 To: 1 Capacity: 3 Cost :0

From: 0 To: 1 Capacity: 10 Cost :4

From: 0 To: 2 Capacity: 6 Cost :3

From: 1 To: 2 Capacity: 3 Cost :4

From: 1 To: 3 Capacity: 1 Cost :2

From: 1 To: 4 Capacity: 7 Cost :5

From: 2 To: 3 Capacity: 6 Cost :1

From: 2 To: 4 Capacity: 5 Cost :1

From: 3 To: 4 Capacity: 3 Cost :1

From: 3 To: 5 Capacity: 1 Cost :1

From: 4 To: 5 Capacity: 8 Cost :2

From: 4 To: 6 Capacity: 2 Cost :0

From: 5 To: 6 Capacity: 6 Cost :0

Final Network:

From: -1 To: 0 flow: 5 Cost :0

From: -1 To: 1 flow: 3 Cost :0

From: 0 To: 1 flow: 0 Cost :4

From: 0 To: 2 flow: 5 Cost :3

From: 1 To: 2 flow: 0 Cost :4

From: 1 To: 3 flow: 1 Cost :2

From: 1 To: 4 flow: 2 Cost :5

From: 2 To: 3 flow: 0 Cost :1

From: 2 To: 4 flow: 5 Cost :1

From: 3 To: 4 flow: 0 Cost :1

From: 3 To: 5 flow: 1 Cost :1

From: 4 To: 5 flow: 5 Cost :2

From: 4 To: 6 flow: 2 Cost :0

From: 5 To: 6 flow: 6 Cost :0

n: 8 m: 14 Time taken: 0.56s

Successive Shortest Path:

Initial:

From: 0 To: 1 Capacity: 10 Cost :4

From: 0 To: 2 Capacity: 6 Cost :3

From: 1 To: 2 Capacity: 3 Cost :4

From: 1 To: 3 Capacity: 1 Cost :2

From: 1 To: 4 Capacity: 7 Cost :5

From: 2 To: 3 Capacity: 6 Cost :1

From: 2 To: 4 Capacity: 5 Cost :1

From: 3 To: 4 Capacity: 3 Cost :1

From: 3 To: 5 Capacity: 1 Cost :1

From: 4 To: 5 Capacity: 8 Cost :2

Final Network:

From: 0 To: 1 flow: 0 Cost :4

From: 0 To: 2 flow: 5 Cost :3

From: 1 To: 2 flow: 0 Cost :4

From: 1 To: 3 flow: 1 Cost :2

From: 1 To: 4 flow: 2 Cost :5

From: 2 To: 3 flow: 0 Cost :1

From: 2 To: 4 flow: 5 Cost :1

From: 3 To: 4 flow: 0 Cost :1

From: 3 To: 5 flow: 1 Cost :1

From: 4 To: 5 flow: 5 Cost :2

n: 6 m: 10 Time taken: 0.25s

Test 3:

Cycle Cancelling:

Initial:

From: 1 To: 12 Capacity: 10 Cost :0

From: 1 To: 8 Capacity: 20 Cost :0

From: 2 To: 8 Capacity: 5 Cost :0

From: 2 To: 9 Capacity: 15 Cost :0

From: 2 To: 20 Capacity: 5 Cost :0

From: 3 To: 15 Capacity: 8 Cost :0

From: 4 To: 10 Capacity: 12 Cost :0

From: 6 To: 17 Capacity: 10 Cost :0

From: 6 To: 13 Capacity: 20 Cost :0

From: 7 To: 13 Capacity: 5 Cost :0

From: 7 To: 14 Capacity: 15 Cost :0

From: 7 To: 25 Capacity: 5 Cost :0

From: 8 To: 20 Capacity: 8 Cost :0

From: 9 To: 15 Capacity: 12 Cost :0

From: 11 To: 22 Capacity: 10 Cost :0

From: 11 To: 18 Capacity: 20 Cost :0

From: 12 To: 18 Capacity: 5 Cost :0

From: 12 To: 19 Capacity: 15 Cost :0

From: 12 To: 30 Capacity: 5 Cost :0

From: 13 To: 25 Capacity: 8 Cost :0

From: 14 To: 20 Capacity: 12 Cost :0

From: 16 To: 27 Capacity: 10 Cost :0

From: 16 To: 23 Capacity: 20 Cost :0

From: 17 To: 23 Capacity: 5 Cost :0

From: 17 To: 24 Capacity: 15 Cost :0

From: 17 To: 35 Capacity: 5 Cost :0

From: 18 To: 30 Capacity: 8 Cost :0

From: 19 To: 25 Capacity: 12 Cost :0

From: 21 To: 32 Capacity: 10 Cost :0

From: 21 To: 28 Capacity: 20 Cost :0

From: 22 To: 28 Capacity: 5 Cost :0

From: 22 To: 29 Capacity: 15 Cost :0

From: 22 To: 40 Capacity: 5 Cost :0

From: 23 To: 35 Capacity: 8 Cost :0

From: 24 To: 30 Capacity: 12 Cost :0

From: 26 To: 37 Capacity: 10 Cost :0

From: 26 To: 33 Capacity: 20 Cost :0

From: 27 To: 33 Capacity: 5 Cost :0

From: 27 To: 34 Capacity: 15 Cost :0

From: 27 To: 45 Capacity: 5 Cost :0

From: 28 To: 40 Capacity: 8 Cost :0

From: 29 To: 35 Capacity: 12 Cost :0

From: 0 To: 1 Capacity: 10000 Cost :0

From: 0 To: 6 Capacity: 10000 Cost :0

From: 0 To: 11 Capacity: 10000 Cost :0

From: 0 To: 16 Capacity: 10000 Cost :0

From: 0 To: 21 Capacity: 10000 Cost :0

From: 0 To: 26 Capacity: 10000 Cost :0

From: 5 To: 46 Capacity: 10000 Cost :5

From: 10 To: 46 Capacity: 10000 Cost :10

From: 15 To: 46 Capacity: 10000 Cost :20

From: 20 To: 46 Capacity: 10000 Cost :40

From: 25 To: 46 Capacity: 10000 Cost :80

From: 30 To: 46 Capacity: 10000 Cost :160

From: -1 To: 0 Capacity: 40 Cost :0

From: 46 To: 47 Capacity: 40 Cost :0

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 6 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 0 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 0 Cost :0

From: 16 To: 23 flow: 0 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 6 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 0 Cost :0

From: 21 To: 28 flow: 0 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 0 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 0 Cost :0

From: 24 To: 30 flow: 6 Cost :0

From: 26 To: 37 flow: 0 Cost :0

From: 26 To: 33 flow: 0 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 0 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 0 Cost :0

From: 29 To: 35 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 14 Cost :0

From: 0 To: 11 flow: 8 Cost :0

From: 0 To: 16 flow: 0 Cost :0

From: 0 To: 21 flow: 0 Cost :0

From: 0 To: 26 flow: 0 Cost :0

From: 5 To: 46 flow: 0 Cost :5

From: 10 To: 46 flow: 0 Cost :10

From: 15 To: 46 flow: 0 Cost :20

From: 20 To: 46 flow: 8 Cost :40

From: 25 To: 46 flow: 18 Cost :80

From: 30 To: 46 flow: 14 Cost :160

From: -1 To: 0 flow: 40 Cost :0

From: 46 To: 47 flow: 40 Cost :0

n: 49 m: 56 Time taken: 3.31s

Successive Shortest Path:

Initial:

From: 1 To: 12 Capacity: 10 Cost :0

From: 1 To: 8 Capacity: 20 Cost :0

From: 2 To: 8 Capacity: 5 Cost :0

From: 2 To: 9 Capacity: 15 Cost :0

From: 2 To: 20 Capacity: 5 Cost :0

From: 3 To: 15 Capacity: 8 Cost :0

From: 4 To: 10 Capacity: 12 Cost :0

From: 6 To: 17 Capacity: 10 Cost :0

From: 6 To: 13 Capacity: 20 Cost :0

From: 7 To: 13 Capacity: 5 Cost :0

From: 7 To: 14 Capacity: 15 Cost :0

From: 7 To: 25 Capacity: 5 Cost :0

From: 8 To: 20 Capacity: 8 Cost :0

From: 9 To: 15 Capacity: 12 Cost :0

From: 11 To: 22 Capacity: 10 Cost :0

From: 11 To: 18 Capacity: 20 Cost :0

From: 12 To: 18 Capacity: 5 Cost :0

From: 12 To: 19 Capacity: 15 Cost :0

From: 12 To: 30 Capacity: 5 Cost :0

From: 13 To: 25 Capacity: 8 Cost :0

From: 14 To: 20 Capacity: 12 Cost :0

From: 16 To: 27 Capacity: 10 Cost :0

From: 16 To: 23 Capacity: 20 Cost :0

From: 17 To: 23 Capacity: 5 Cost :0

From: 17 To: 24 Capacity: 15 Cost :0

From: 17 To: 35 Capacity: 5 Cost :0

From: 18 To: 30 Capacity: 8 Cost :0

From: 19 To: 25 Capacity: 12 Cost :0

From: 21 To: 32 Capacity: 10 Cost :0

From: 21 To: 28 Capacity: 20 Cost :0

From: 22 To: 28 Capacity: 5 Cost :0

From: 22 To: 29 Capacity: 15 Cost :0

From: 22 To: 40 Capacity: 5 Cost :0

From: 23 To: 35 Capacity: 8 Cost :0

From: 24 To: 30 Capacity: 12 Cost :0

From: 26 To: 37 Capacity: 10 Cost :0

From: 26 To: 33 Capacity: 20 Cost :0

From: 27 To: 33 Capacity: 5 Cost :0

From: 27 To: 34 Capacity: 15 Cost :0

From: 27 To: 45 Capacity: 5 Cost :0

From: 28 To: 40 Capacity: 8 Cost :0

From: 29 To: 35 Capacity: 12 Cost :0

From: 0 To: 1 Capacity: 10000 Cost :0

From: 0 To: 6 Capacity: 10000 Cost :0

From: 0 To: 11 Capacity: 10000 Cost :0

From: 0 To: 16 Capacity: 10000 Cost :0

From: 0 To: 21 Capacity: 10000 Cost :0

From: 0 To: 26 Capacity: 10000 Cost :0

From: 5 To: 46 Capacity: 10000 Cost :5

From: 10 To: 46 Capacity: 10000 Cost :10

From: 15 To: 46 Capacity: 10000 Cost :20

From: 20 To: 46 Capacity: 10000 Cost :40

From: 25 To: 46 Capacity: 10000 Cost :80

From: 30 To: 46 Capacity: 10000 Cost :160

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 6 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 0 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 0 Cost :0

From: 16 To: 23 flow: 0 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 6 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 0 Cost :0

From: 21 To: 28 flow: 0 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 0 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 0 Cost :0

From: 24 To: 30 flow: 6 Cost :0

From: 26 To: 37 flow: 0 Cost :0

From: 26 To: 33 flow: 0 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 0 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 0 Cost :0

From: 29 To: 35 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 14 Cost :0

From: 0 To: 11 flow: 8 Cost :0

From: 0 To: 16 flow: 0 Cost :0

From: 0 To: 21 flow: 0 Cost :0

From: 0 To: 26 flow: 0 Cost :0

From: 5 To: 46 flow: 0 Cost :5

From: 10 To: 46 flow: 0 Cost :10

From: 15 To: 46 flow: 0 Cost :20

From: 20 To: 46 flow: 8 Cost :40

From: 25 To: 46 flow: 18 Cost :80

From: 30 To: 46 flow: 14 Cost :160

n: 47 m: 54 Time taken: 1.37s

Test 4:

Cycle Cancelling:

Initial:

From: 1 To: 12 Capacity: 10 Cost :0

From: 1 To: 8 Capacity: 20 Cost :0

From: 2 To: 8 Capacity: 5 Cost :0

From: 2 To: 9 Capacity: 15 Cost :0

From: 2 To: 20 Capacity: 5 Cost :0

From: 3 To: 15 Capacity: 8 Cost :0

From: 4 To: 10 Capacity: 12 Cost :0

From: 6 To: 17 Capacity: 10 Cost :0

From: 6 To: 13 Capacity: 20 Cost :0

From: 7 To: 13 Capacity: 5 Cost :0

From: 7 To: 14 Capacity: 15 Cost :0

From: 7 To: 25 Capacity: 5 Cost :0

From: 8 To: 20 Capacity: 8 Cost :0

From: 9 To: 15 Capacity: 12 Cost :0

From: 11 To: 22 Capacity: 10 Cost :0

From: 11 To: 18 Capacity: 20 Cost :0

From: 12 To: 18 Capacity: 5 Cost :0

From: 12 To: 19 Capacity: 15 Cost :0

From: 12 To: 30 Capacity: 5 Cost :0

From: 13 To: 25 Capacity: 8 Cost :0

From: 14 To: 20 Capacity: 12 Cost :0

From: 16 To: 27 Capacity: 10 Cost :0

From: 16 To: 23 Capacity: 20 Cost :0

From: 17 To: 23 Capacity: 5 Cost :0

From: 17 To: 24 Capacity: 15 Cost :0

From: 17 To: 35 Capacity: 5 Cost :0

From: 18 To: 30 Capacity: 8 Cost :0

From: 19 To: 25 Capacity: 12 Cost :0

From: 21 To: 32 Capacity: 10 Cost :0

From: 21 To: 28 Capacity: 20 Cost :0

From: 22 To: 28 Capacity: 5 Cost :0

From: 22 To: 29 Capacity: 15 Cost :0

From: 22 To: 40 Capacity: 5 Cost :0

From: 23 To: 35 Capacity: 8 Cost :0

From: 24 To: 30 Capacity: 12 Cost :0

From: 26 To: 37 Capacity: 10 Cost :0

From: 26 To: 33 Capacity: 20 Cost :0

From: 27 To: 33 Capacity: 5 Cost :0

From: 27 To: 34 Capacity: 15 Cost :0

From: 27 To: 45 Capacity: 5 Cost :0

From: 28 To: 40 Capacity: 8 Cost :0

From: 29 To: 35 Capacity: 12 Cost :0

From: 31 To: 42 Capacity: 10 Cost :0

From: 31 To: 38 Capacity: 20 Cost :0

From: 32 To: 38 Capacity: 5 Cost :0

From: 32 To: 39 Capacity: 15 Cost :0

From: 32 To: 50 Capacity: 5 Cost :0

From: 33 To: 45 Capacity: 8 Cost :0

From: 34 To: 40 Capacity: 12 Cost :0

From: 36 To: 47 Capacity: 10 Cost :0

From: 36 To: 43 Capacity: 20 Cost :0

From: 37 To: 43 Capacity: 5 Cost :0

From: 37 To: 44 Capacity: 15 Cost :0

From: 37 To: 55 Capacity: 5 Cost :0

From: 38 To: 50 Capacity: 8 Cost :0

From: 39 To: 45 Capacity: 12 Cost :0

From: 41 To: 52 Capacity: 10 Cost :0

From: 41 To: 48 Capacity: 20 Cost :0

From: 42 To: 48 Capacity: 5 Cost :0

From: 42 To: 49 Capacity: 15 Cost :0

From: 42 To: 60 Capacity: 5 Cost :0

From: 43 To: 55 Capacity: 8 Cost :0

From: 44 To: 50 Capacity: 12 Cost :0

From: 46 To: 57 Capacity: 10 Cost :0

From: 46 To: 53 Capacity: 20 Cost :0

From: 47 To: 53 Capacity: 5 Cost :0

From: 47 To: 54 Capacity: 15 Cost :0

From: 47 To: 65 Capacity: 5 Cost :0

From: 48 To: 60 Capacity: 8 Cost :0

From: 49 To: 55 Capacity: 12 Cost :0

From: 51 To: 62 Capacity: 10 Cost :0

From: 51 To: 58 Capacity: 20 Cost :0

From: 52 To: 58 Capacity: 5 Cost :0

From: 52 To: 59 Capacity: 15 Cost :0

From: 52 To: 70 Capacity: 5 Cost :0

From: 53 To: 65 Capacity: 8 Cost :0

From: 54 To: 60 Capacity: 12 Cost :0

From: 56 To: 67 Capacity: 10 Cost :0

From: 56 To: 63 Capacity: 20 Cost :0

From: 57 To: 63 Capacity: 5 Cost :0

From: 57 To: 64 Capacity: 15 Cost :0

From: 57 To: 75 Capacity: 5 Cost :0

From: 58 To: 70 Capacity: 8 Cost :0

From: 59 To: 65 Capacity: 12 Cost :0

From: 61 To: 72 Capacity: 10 Cost :0

From: 61 To: 68 Capacity: 20 Cost :0

From: 62 To: 68 Capacity: 5 Cost :0

From: 62 To: 69 Capacity: 15 Cost :0

From: 62 To: 80 Capacity: 5 Cost :0

From: 63 To: 75 Capacity: 8 Cost :0

From: 64 To: 70 Capacity: 12 Cost :0

From: 66 To: 77 Capacity: 10 Cost :0

From: 66 To: 73 Capacity: 20 Cost :0

From: 67 To: 73 Capacity: 5 Cost :0

From: 67 To: 74 Capacity: 15 Cost :0

From: 67 To: 85 Capacity: 5 Cost :0

From: 68 To: 80 Capacity: 8 Cost :0

From: 69 To: 75 Capacity: 12 Cost :0

From: 71 To: 82 Capacity: 10 Cost :0

From: 71 To: 78 Capacity: 20 Cost :0

From: 72 To: 78 Capacity: 5 Cost :0

From: 72 To: 79 Capacity: 15 Cost :0

From: 72 To: 90 Capacity: 5 Cost :0

From: 73 To: 85 Capacity: 8 Cost :0

From: 74 To: 80 Capacity: 12 Cost :0

From: 76 To: 87 Capacity: 10 Cost :0

From: 76 To: 83 Capacity: 20 Cost :0

From: 77 To: 83 Capacity: 5 Cost :0

From: 77 To: 84 Capacity: 15 Cost :0

From: 77 To: 95 Capacity: 5 Cost :0

From: 78 To: 90 Capacity: 8 Cost :0

From: 79 To: 85 Capacity: 12 Cost :0

From: 0 To: 1 Capacity: 10000 Cost :0

From: 0 To: 6 Capacity: 10000 Cost :0

From: 0 To: 11 Capacity: 10000 Cost :0

From: 0 To: 16 Capacity: 10000 Cost :0

From: 0 To: 21 Capacity: 10000 Cost :0

From: 0 To: 26 Capacity: 10000 Cost :0

From: 0 To: 31 Capacity: 10000 Cost :0

From: 0 To: 36 Capacity: 10000 Cost :0

From: 0 To: 41 Capacity: 10000 Cost :0

From: 0 To: 46 Capacity: 10000 Cost :0

From: 0 To: 51 Capacity: 10000 Cost :0

From: 0 To: 56 Capacity: 10000 Cost :0

From: 0 To: 61 Capacity: 10000 Cost :0

From: 0 To: 66 Capacity: 10000 Cost :0

From: 0 To: 71 Capacity: 10000 Cost :0

From: 0 To: 76 Capacity: 10000 Cost :0

From: 0 To: 81 Capacity: 10000 Cost :0

From: 0 To: 86 Capacity: 10000 Cost :0

From: 0 To: 91 Capacity: 10000 Cost :0

From: 0 To: 96 Capacity: 10000 Cost :0

From: 5 To: 101 Capacity: 10000 Cost :5

From: 10 To: 101 Capacity: 10000 Cost :10

From: 15 To: 101 Capacity: 10000 Cost :20

From: 20 To: 101 Capacity: 10000 Cost :40

From: 25 To: 101 Capacity: 10000 Cost :80

From: 30 To: 101 Capacity: 10000 Cost :160

From: 35 To: 101 Capacity: 10000 Cost :320

From: 40 To: 101 Capacity: 10000 Cost :640

From: 45 To: 101 Capacity: 10000 Cost :1280

From: 50 To: 101 Capacity: 10000 Cost :2560

From: 55 To: 101 Capacity: 10000 Cost :5120

From: 60 To: 101 Capacity: 10000 Cost :10240

From: 65 To: 101 Capacity: 10000 Cost :20480

From: 70 To: 101 Capacity: 10000 Cost :40960

From: 75 To: 101 Capacity: 10000 Cost :81920

From: 80 To: 101 Capacity: 10000 Cost :163840

From: 85 To: 101 Capacity: 10000 Cost :327680

From: 90 To: 101 Capacity: 10000 Cost :655360

From: 95 To: 101 Capacity: 10000 Cost :1310720

From: 100 To: 101 Capacity: 10000 Cost :2621440

From: -1 To: 0 Capacity: 100 Cost :0

From: 101 To: 102 Capacity: 100 Cost :0

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 5 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 0 Cost :0

From: 16 To: 23 flow: 1 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 0 Cost :0

From: 21 To: 28 flow: 0 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 5 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 1 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 0 Cost :0

From: 26 To: 33 flow: 0 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 0 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 0 Cost :0

From: 29 To: 35 flow: 5 Cost :0

From: 31 To: 42 flow: 0 Cost :0

From: 31 To: 38 flow: 0 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 0 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 0 Cost :0

From: 34 To: 40 flow: 0 Cost :0

From: 36 To: 47 flow: 0 Cost :0

From: 36 To: 43 flow: 0 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 0 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 0 Cost :0

From: 39 To: 45 flow: 0 Cost :0

From: 41 To: 52 flow: 0 Cost :0

From: 41 To: 48 flow: 0 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 0 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 0 Cost :0

From: 44 To: 50 flow: 0 Cost :0

From: 46 To: 57 flow: 0 Cost :0

From: 46 To: 53 flow: 0 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 0 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 0 Cost :0

From: 49 To: 55 flow: 0 Cost :0

From: 51 To: 62 flow: 0 Cost :0

From: 51 To: 58 flow: 0 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 0 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 0 Cost :0

From: 54 To: 60 flow: 0 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 0 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 0 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 0 Cost :0

From: 59 To: 65 flow: 0 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 0 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 0 Cost :0

From: 64 To: 70 flow: 0 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 0 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 13 Cost :0

From: 0 To: 16 flow: 1 Cost :0

From: 0 To: 21 flow: 0 Cost :0

From: 0 To: 26 flow: 0 Cost :0

From: 0 To: 31 flow: 0 Cost :0

From: 0 To: 36 flow: 0 Cost :0

From: 0 To: 41 flow: 0 Cost :0

From: 0 To: 46 flow: 0 Cost :0

From: 0 To: 51 flow: 0 Cost :0

From: 0 To: 56 flow: 0 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 6 Cost :320

From: 40 To: 101 flow: 0 Cost :640

From: 45 To: 101 flow: 0 Cost :1280

From: 50 To: 101 flow: 0 Cost :2560

From: 55 To: 101 flow: 0 Cost :5120

From: 60 To: 101 flow: 0 Cost :10240

From: 65 To: 101 flow: 0 Cost :20480

From: 70 To: 101 flow: 0 Cost :40960

From: 75 To: 101 flow: 0 Cost :81920

From: 80 To: 101 flow: 0 Cost :163840

From: 85 To: 101 flow: 0 Cost :327680

From: 90 To: 101 flow: 0 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

From: -1 To: 0 flow: 50 Cost :0

From: 101 To: 102 flow: 50 Cost :0

n: 104 m: 154 Time taken: 23.34s

Successive Shortest Path:

Initial:

From: 1 To: 12 Capacity: 10 Cost :0

From: 1 To: 8 Capacity: 20 Cost :0

From: 2 To: 8 Capacity: 5 Cost :0

From: 2 To: 9 Capacity: 15 Cost :0

From: 2 To: 20 Capacity: 5 Cost :0

From: 3 To: 15 Capacity: 8 Cost :0

From: 4 To: 10 Capacity: 12 Cost :0

From: 6 To: 17 Capacity: 10 Cost :0

From: 6 To: 13 Capacity: 20 Cost :0

From: 7 To: 13 Capacity: 5 Cost :0

From: 7 To: 14 Capacity: 15 Cost :0

From: 7 To: 25 Capacity: 5 Cost :0

From: 8 To: 20 Capacity: 8 Cost :0

From: 9 To: 15 Capacity: 12 Cost :0

From: 11 To: 22 Capacity: 10 Cost :0

From: 11 To: 18 Capacity: 20 Cost :0

From: 12 To: 18 Capacity: 5 Cost :0

From: 12 To: 19 Capacity: 15 Cost :0

From: 12 To: 30 Capacity: 5 Cost :0

From: 13 To: 25 Capacity: 8 Cost :0

From: 14 To: 20 Capacity: 12 Cost :0

From: 16 To: 27 Capacity: 10 Cost :0

From: 16 To: 23 Capacity: 20 Cost :0

From: 17 To: 23 Capacity: 5 Cost :0

From: 17 To: 24 Capacity: 15 Cost :0

From: 17 To: 35 Capacity: 5 Cost :0

From: 18 To: 30 Capacity: 8 Cost :0

From: 19 To: 25 Capacity: 12 Cost :0

From: 21 To: 32 Capacity: 10 Cost :0

From: 21 To: 28 Capacity: 20 Cost :0

From: 22 To: 28 Capacity: 5 Cost :0

From: 22 To: 29 Capacity: 15 Cost :0

From: 22 To: 40 Capacity: 5 Cost :0

From: 23 To: 35 Capacity: 8 Cost :0

From: 24 To: 30 Capacity: 12 Cost :0

From: 26 To: 37 Capacity: 10 Cost :0

From: 26 To: 33 Capacity: 20 Cost :0

From: 27 To: 33 Capacity: 5 Cost :0

From: 27 To: 34 Capacity: 15 Cost :0

From: 27 To: 45 Capacity: 5 Cost :0

From: 28 To: 40 Capacity: 8 Cost :0

From: 29 To: 35 Capacity: 12 Cost :0

From: 31 To: 42 Capacity: 10 Cost :0

From: 31 To: 38 Capacity: 20 Cost :0

From: 32 To: 38 Capacity: 5 Cost :0

From: 32 To: 39 Capacity: 15 Cost :0

From: 32 To: 50 Capacity: 5 Cost :0

From: 33 To: 45 Capacity: 8 Cost :0

From: 34 To: 40 Capacity: 12 Cost :0

From: 36 To: 47 Capacity: 10 Cost :0

From: 36 To: 43 Capacity: 20 Cost :0

From: 37 To: 43 Capacity: 5 Cost :0

From: 37 To: 44 Capacity: 15 Cost :0

From: 37 To: 55 Capacity: 5 Cost :0

From: 38 To: 50 Capacity: 8 Cost :0

From: 39 To: 45 Capacity: 12 Cost :0

From: 41 To: 52 Capacity: 10 Cost :0

From: 41 To: 48 Capacity: 20 Cost :0

From: 42 To: 48 Capacity: 5 Cost :0

From: 42 To: 49 Capacity: 15 Cost :0

From: 42 To: 60 Capacity: 5 Cost :0

From: 43 To: 55 Capacity: 8 Cost :0

From: 44 To: 50 Capacity: 12 Cost :0

From: 46 To: 57 Capacity: 10 Cost :0

From: 46 To: 53 Capacity: 20 Cost :0

From: 47 To: 53 Capacity: 5 Cost :0

From: 47 To: 54 Capacity: 15 Cost :0

From: 47 To: 65 Capacity: 5 Cost :0

From: 48 To: 60 Capacity: 8 Cost :0

From: 49 To: 55 Capacity: 12 Cost :0

From: 51 To: 62 Capacity: 10 Cost :0

From: 51 To: 58 Capacity: 20 Cost :0

From: 52 To: 58 Capacity: 5 Cost :0

From: 52 To: 59 Capacity: 15 Cost :0

From: 52 To: 70 Capacity: 5 Cost :0

From: 53 To: 65 Capacity: 8 Cost :0

From: 54 To: 60 Capacity: 12 Cost :0

From: 56 To: 67 Capacity: 10 Cost :0

From: 56 To: 63 Capacity: 20 Cost :0

From: 57 To: 63 Capacity: 5 Cost :0

From: 57 To: 64 Capacity: 15 Cost :0

From: 57 To: 75 Capacity: 5 Cost :0

From: 58 To: 70 Capacity: 8 Cost :0

From: 59 To: 65 Capacity: 12 Cost :0

From: 61 To: 72 Capacity: 10 Cost :0

From: 61 To: 68 Capacity: 20 Cost :0

From: 62 To: 68 Capacity: 5 Cost :0

From: 62 To: 69 Capacity: 15 Cost :0

From: 62 To: 80 Capacity: 5 Cost :0

From: 63 To: 75 Capacity: 8 Cost :0

From: 64 To: 70 Capacity: 12 Cost :0

From: 66 To: 77 Capacity: 10 Cost :0

From: 66 To: 73 Capacity: 20 Cost :0

From: 67 To: 73 Capacity: 5 Cost :0

From: 67 To: 74 Capacity: 15 Cost :0

From: 67 To: 85 Capacity: 5 Cost :0

From: 68 To: 80 Capacity: 8 Cost :0

From: 69 To: 75 Capacity: 12 Cost :0

From: 71 To: 82 Capacity: 10 Cost :0

From: 71 To: 78 Capacity: 20 Cost :0

From: 72 To: 78 Capacity: 5 Cost :0

From: 72 To: 79 Capacity: 15 Cost :0

From: 72 To: 90 Capacity: 5 Cost :0

From: 73 To: 85 Capacity: 8 Cost :0

From: 74 To: 80 Capacity: 12 Cost :0

From: 76 To: 87 Capacity: 10 Cost :0

From: 76 To: 83 Capacity: 20 Cost :0

From: 77 To: 83 Capacity: 5 Cost :0

From: 77 To: 84 Capacity: 15 Cost :0

From: 77 To: 95 Capacity: 5 Cost :0

From: 78 To: 90 Capacity: 8 Cost :0

From: 79 To: 85 Capacity: 12 Cost :0

From: 0 To: 1 Capacity: 10000 Cost :0

From: 0 To: 6 Capacity: 10000 Cost :0

From: 0 To: 11 Capacity: 10000 Cost :0

From: 0 To: 16 Capacity: 10000 Cost :0

From: 0 To: 21 Capacity: 10000 Cost :0

From: 0 To: 26 Capacity: 10000 Cost :0

From: 0 To: 31 Capacity: 10000 Cost :0

From: 0 To: 36 Capacity: 10000 Cost :0

From: 0 To: 41 Capacity: 10000 Cost :0

From: 0 To: 46 Capacity: 10000 Cost :0

From: 0 To: 51 Capacity: 10000 Cost :0

From: 0 To: 56 Capacity: 10000 Cost :0

From: 0 To: 61 Capacity: 10000 Cost :0

From: 0 To: 66 Capacity: 10000 Cost :0

From: 0 To: 71 Capacity: 10000 Cost :0

From: 0 To: 76 Capacity: 10000 Cost :0

From: 0 To: 81 Capacity: 10000 Cost :0

From: 0 To: 86 Capacity: 10000 Cost :0

From: 0 To: 91 Capacity: 10000 Cost :0

From: 0 To: 96 Capacity: 10000 Cost :0

From: 5 To: 101 Capacity: 10000 Cost :5

From: 10 To: 101 Capacity: 10000 Cost :10

From: 15 To: 101 Capacity: 10000 Cost :20

From: 20 To: 101 Capacity: 10000 Cost :40

From: 25 To: 101 Capacity: 10000 Cost :80

From: 30 To: 101 Capacity: 10000 Cost :160

From: 35 To: 101 Capacity: 10000 Cost :320

From: 40 To: 101 Capacity: 10000 Cost :640

From: 45 To: 101 Capacity: 10000 Cost :1280

From: 50 To: 101 Capacity: 10000 Cost :2560

From: 55 To: 101 Capacity: 10000 Cost :5120

From: 60 To: 101 Capacity: 10000 Cost :10240

From: 65 To: 101 Capacity: 10000 Cost :20480

From: 70 To: 101 Capacity: 10000 Cost :40960

From: 75 To: 101 Capacity: 10000 Cost :81920

From: 80 To: 101 Capacity: 10000 Cost :163840

From: 85 To: 101 Capacity: 10000 Cost :327680

From: 90 To: 101 Capacity: 10000 Cost :655360

From: 95 To: 101 Capacity: 10000 Cost :1310720

From: 100 To: 101 Capacity: 10000 Cost :2621440

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 0 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 0 Cost :0

From: 16 To: 23 flow: 6 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 0 Cost :0

From: 21 To: 28 flow: 0 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 0 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 6 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 0 Cost :0

From: 26 To: 33 flow: 0 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 0 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 0 Cost :0

From: 29 To: 35 flow: 0 Cost :0

From: 31 To: 42 flow: 0 Cost :0

From: 31 To: 38 flow: 0 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 0 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 0 Cost :0

From: 34 To: 40 flow: 0 Cost :0

From: 36 To: 47 flow: 0 Cost :0

From: 36 To: 43 flow: 0 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 0 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 0 Cost :0

From: 39 To: 45 flow: 0 Cost :0

From: 41 To: 52 flow: 0 Cost :0

From: 41 To: 48 flow: 0 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 0 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 0 Cost :0

From: 44 To: 50 flow: 0 Cost :0

From: 46 To: 57 flow: 0 Cost :0

From: 46 To: 53 flow: 0 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 0 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 0 Cost :0

From: 49 To: 55 flow: 0 Cost :0

From: 51 To: 62 flow: 0 Cost :0

From: 51 To: 58 flow: 0 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 0 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 0 Cost :0

From: 54 To: 60 flow: 0 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 0 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 0 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 0 Cost :0

From: 59 To: 65 flow: 0 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 0 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 0 Cost :0

From: 64 To: 70 flow: 0 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 0 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 8 Cost :0

From: 0 To: 16 flow: 6 Cost :0

From: 0 To: 21 flow: 0 Cost :0

From: 0 To: 26 flow: 0 Cost :0

From: 0 To: 31 flow: 0 Cost :0

From: 0 To: 36 flow: 0 Cost :0

From: 0 To: 41 flow: 0 Cost :0

From: 0 To: 46 flow: 0 Cost :0

From: 0 To: 51 flow: 0 Cost :0

From: 0 To: 56 flow: 0 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 6 Cost :320

From: 40 To: 101 flow: 0 Cost :640

From: 45 To: 101 flow: 0 Cost :1280

From: 50 To: 101 flow: 0 Cost :2560

From: 55 To: 101 flow: 0 Cost :5120

From: 60 To: 101 flow: 0 Cost :10240

From: 65 To: 101 flow: 0 Cost :20480

From: 70 To: 101 flow: 0 Cost :40960

From: 75 To: 101 flow: 0 Cost :81920

From: 80 To: 101 flow: 0 Cost :163840

From: 85 To: 101 flow: 0 Cost :327680

From: 90 To: 101 flow: 0 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

n: 102 m: 152 Time taken: 3.49s

Test 5:

Cycle Cancelling:

Initial: Same as Test 4

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 2 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 0 Cost :0

From: 31 To: 38 flow: 0 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 0 Cost :0

From: 36 To: 43 flow: 0 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 2 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 0 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 0 Cost :0

From: 41 To: 48 flow: 0 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 0 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 0 Cost :0

From: 44 To: 50 flow: 2 Cost :0

From: 46 To: 57 flow: 0 Cost :0

From: 46 To: 53 flow: 0 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 0 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 0 Cost :0

From: 49 To: 55 flow: 0 Cost :0

From: 51 To: 62 flow: 0 Cost :0

From: 51 To: 58 flow: 0 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 0 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 0 Cost :0

From: 54 To: 60 flow: 0 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 0 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 0 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 0 Cost :0

From: 59 To: 65 flow: 0 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 0 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 0 Cost :0

From: 64 To: 70 flow: 0 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 0 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 10 Cost :0

From: 0 To: 31 flow: 0 Cost :0

From: 0 To: 36 flow: 0 Cost :0

From: 0 To: 41 flow: 0 Cost :0

From: 0 To: 46 flow: 0 Cost :0

From: 0 To: 51 flow: 0 Cost :0

From: 0 To: 56 flow: 0 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 18 Cost :320

From: 40 To: 101 flow: 18 Cost :640

From: 45 To: 101 flow: 18 Cost :1280

From: 50 To: 101 flow: 2 Cost :2560

From: 55 To: 101 flow: 0 Cost :5120

From: 60 To: 101 flow: 0 Cost :10240

From: 65 To: 101 flow: 0 Cost :20480

From: 70 To: 101 flow: 0 Cost :40960

From: 75 To: 101 flow: 0 Cost :81920

From: 80 To: 101 flow: 0 Cost :163840

From: 85 To: 101 flow: 0 Cost :327680

From: 90 To: 101 flow: 0 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

From: -1 To: 0 flow: 100 Cost :0

From: 101 To: 102 flow: 100 Cost :0

n: 104 m: 154 Time taken: 29.63s

Successive Shortest Path:

Initial: Same as Test 4

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 0 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 0 Cost :0

From: 31 To: 38 flow: 2 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 0 Cost :0

From: 36 To: 43 flow: 0 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 0 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 2 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 0 Cost :0

From: 41 To: 48 flow: 0 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 0 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 0 Cost :0

From: 44 To: 50 flow: 0 Cost :0

From: 46 To: 57 flow: 0 Cost :0

From: 46 To: 53 flow: 0 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 0 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 0 Cost :0

From: 49 To: 55 flow: 0 Cost :0

From: 51 To: 62 flow: 0 Cost :0

From: 51 To: 58 flow: 0 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 0 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 0 Cost :0

From: 54 To: 60 flow: 0 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 0 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 0 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 0 Cost :0

From: 59 To: 65 flow: 0 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 0 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 0 Cost :0

From: 64 To: 70 flow: 0 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 0 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 8 Cost :0

From: 0 To: 31 flow: 2 Cost :0

From: 0 To: 36 flow: 0 Cost :0

From: 0 To: 41 flow: 0 Cost :0

From: 0 To: 46 flow: 0 Cost :0

From: 0 To: 51 flow: 0 Cost :0

From: 0 To: 56 flow: 0 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 18 Cost :320

From: 40 To: 101 flow: 18 Cost :640

From: 45 To: 101 flow: 18 Cost :1280

From: 50 To: 101 flow: 2 Cost :2560

From: 55 To: 101 flow: 0 Cost :5120

From: 60 To: 101 flow: 0 Cost :10240

From: 65 To: 101 flow: 0 Cost :20480

From: 70 To: 101 flow: 0 Cost :40960

From: 75 To: 101 flow: 0 Cost :81920

From: 80 To: 101 flow: 0 Cost :163840

From: 85 To: 101 flow: 0 Cost :327680

From: 90 To: 101 flow: 0 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

n: 102 m: 152 Time taken: 5.36s

Test 6:

Cycle Cancelling:

Initial: Same as 4

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 8 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 0 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 0 Cost :0

From: 46 To: 53 flow: 0 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 8 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 0 Cost :0

From: 51 To: 58 flow: 0 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 0 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 0 Cost :0

From: 54 To: 60 flow: 8 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 0 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 0 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 0 Cost :0

From: 59 To: 65 flow: 0 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 0 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 0 Cost :0

From: 64 To: 70 flow: 0 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 0 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 16 Cost :0

From: 0 To: 41 flow: 8 Cost :0

From: 0 To: 46 flow: 0 Cost :0

From: 0 To: 51 flow: 0 Cost :0

From: 0 To: 56 flow: 0 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 18 Cost :320

From: 40 To: 101 flow: 18 Cost :640

From: 45 To: 101 flow: 18 Cost :1280

From: 50 To: 101 flow: 18 Cost :2560

From: 55 To: 101 flow: 18 Cost :5120

From: 60 To: 101 flow: 16 Cost :10240

From: 65 To: 101 flow: 0 Cost :20480

From: 70 To: 101 flow: 0 Cost :40960

From: 75 To: 101 flow: 0 Cost :81920

From: 80 To: 101 flow: 0 Cost :163840

From: 85 To: 101 flow: 0 Cost :327680

From: 90 To: 101 flow: 0 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

From: -1 To: 0 flow: 150 Cost :0

From: 101 To: 102 flow: 150 Cost :0

n: 104 m: 154 Time taken: 31.96s

Test 7:

Cycle Cancelling:

Initial: Same as Test 4

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 10 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 10 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 10 Cost :0

From: 46 To: 53 flow: 8 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 10 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 5 Cost :0

From: 51 To: 58 flow: 8 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 10 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 8 Cost :0

From: 54 To: 60 flow: 10 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 7 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 10 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 8 Cost :0

From: 59 To: 65 flow: 10 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 5 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 7 Cost :0

From: 64 To: 70 flow: 10 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 5 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 18 Cost :0

From: 0 To: 41 flow: 18 Cost :0

From: 0 To: 46 flow: 18 Cost :0

From: 0 To: 51 flow: 13 Cost :0

From: 0 To: 56 flow: 7 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 18 Cost :320

From: 40 To: 101 flow: 18 Cost :640

From: 45 To: 101 flow: 18 Cost :1280

From: 50 To: 101 flow: 18 Cost :2560

From: 55 To: 101 flow: 18 Cost :5120

From: 60 To: 101 flow: 18 Cost :10240

From: 65 To: 101 flow: 18 Cost :20480

From: 70 To: 101 flow: 18 Cost :40960

From: 75 To: 101 flow: 12 Cost :81920

From: 80 To: 101 flow: 0 Cost :163840

From: 85 To: 101 flow: 0 Cost :327680

From: 90 To: 101 flow: 0 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

From: -1 To: 0 flow: 200 Cost :0

From: 101 To: 102 flow: 200 Cost :0

n: 104 m: 154 Time taken: 45.13s

Test 8:

Cycle Cancelling:

Initial: Same as Test 4

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 10 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 10 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 10 Cost :0

From: 46 To: 53 flow: 8 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 10 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 10 Cost :0

From: 51 To: 58 flow: 8 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 10 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 8 Cost :0

From: 54 To: 60 flow: 10 Cost :0

From: 56 To: 67 flow: 10 Cost :0

From: 56 To: 63 flow: 8 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 10 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 8 Cost :0

From: 59 To: 65 flow: 10 Cost :0

From: 61 To: 72 flow: 10 Cost :0

From: 61 To: 68 flow: 8 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 10 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 8 Cost :0

From: 64 To: 70 flow: 10 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 8 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 10 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 8 Cost :0

From: 69 To: 75 flow: 10 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 8 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 10 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 8 Cost :0

From: 74 To: 80 flow: 10 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 8 Cost :0

From: 79 To: 85 flow: 10 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 18 Cost :0

From: 0 To: 41 flow: 18 Cost :0

From: 0 To: 46 flow: 18 Cost :0

From: 0 To: 51 flow: 18 Cost :0

From: 0 To: 56 flow: 18 Cost :0

From: 0 To: 61 flow: 18 Cost :0

From: 0 To: 66 flow: 8 Cost :0

From: 0 To: 71 flow: 8 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 18 Cost :320

From: 40 To: 101 flow: 18 Cost :640

From: 45 To: 101 flow: 18 Cost :1280

From: 50 To: 101 flow: 18 Cost :2560

From: 55 To: 101 flow: 18 Cost :5120

From: 60 To: 101 flow: 18 Cost :10240

From: 65 To: 101 flow: 18 Cost :20480

From: 70 To: 101 flow: 18 Cost :40960

From: 75 To: 101 flow: 18 Cost :81920

From: 80 To: 101 flow: 18 Cost :163840

From: 85 To: 101 flow: 18 Cost :327680

From: 90 To: 101 flow: 8 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

From: -1 To: 0 flow: 250 Cost :0

From: 101 To: 102 flow: 250 Cost :0

n: 104 m: 154 Time taken: 43.75s

Successive Shortest Path:

Initial: Same as Test 4.

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 10 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 10 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 10 Cost :0

From: 46 To: 53 flow: 8 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 10 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 10 Cost :0

From: 51 To: 58 flow: 8 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 10 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 8 Cost :0

From: 54 To: 60 flow: 10 Cost :0

From: 56 To: 67 flow: 10 Cost :0

From: 56 To: 63 flow: 8 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 10 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 8 Cost :0

From: 59 To: 65 flow: 10 Cost :0

From: 61 To: 72 flow: 10 Cost :0

From: 61 To: 68 flow: 8 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 10 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 8 Cost :0

From: 64 To: 70 flow: 10 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 8 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 10 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 8 Cost :0

From: 69 To: 75 flow: 10 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 8 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 10 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 8 Cost :0

From: 74 To: 80 flow: 10 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 8 Cost :0

From: 79 To: 85 flow: 10 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 18 Cost :0

From: 0 To: 41 flow: 18 Cost :0

From: 0 To: 46 flow: 18 Cost :0

From: 0 To: 51 flow: 18 Cost :0

From: 0 To: 56 flow: 18 Cost :0

From: 0 To: 61 flow: 18 Cost :0

From: 0 To: 66 flow: 8 Cost :0

From: 0 To: 71 flow: 8 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 5 To: 101 flow: 0 Cost :5

From: 10 To: 101 flow: 0 Cost :10

From: 15 To: 101 flow: 0 Cost :20

From: 20 To: 101 flow: 8 Cost :40

From: 25 To: 101 flow: 18 Cost :80

From: 30 To: 101 flow: 18 Cost :160

From: 35 To: 101 flow: 18 Cost :320

From: 40 To: 101 flow: 18 Cost :640

From: 45 To: 101 flow: 18 Cost :1280

From: 50 To: 101 flow: 18 Cost :2560

From: 55 To: 101 flow: 18 Cost :5120

From: 60 To: 101 flow: 18 Cost :10240

From: 65 To: 101 flow: 18 Cost :20480

From: 70 To: 101 flow: 18 Cost :40960

From: 75 To: 101 flow: 18 Cost :81920

From: 80 To: 101 flow: 18 Cost :163840

From: 85 To: 101 flow: 18 Cost :327680

From: 90 To: 101 flow: 8 Cost :655360

From: 95 To: 101 flow: 0 Cost :1310720

From: 100 To: 101 flow: 0 Cost :2621440

n: 102 m: 152 Time taken: 10.58s

Test 9:

Cycle Cancelling:

Initial:

Successive Shortest Path:

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 0 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 0 Cost :0

From: 31 To: 38 flow: 2 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 0 Cost :0

From: 36 To: 43 flow: 0 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 0 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 2 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 0 Cost :0

From: 41 To: 48 flow: 0 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 0 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 0 Cost :0

From: 44 To: 50 flow: 0 Cost :0

From: 46 To: 57 flow: 0 Cost :0

From: 46 To: 53 flow: 0 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 0 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 0 Cost :0

From: 49 To: 55 flow: 0 Cost :0

From: 51 To: 62 flow: 0 Cost :0

From: 51 To: 58 flow: 0 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 0 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 0 Cost :0

From: 54 To: 60 flow: 0 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 0 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 0 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 0 Cost :0

From: 59 To: 65 flow: 0 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 0 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 0 Cost :0

From: 64 To: 70 flow: 0 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 0 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 81 To: 87 flow: 0 Cost :0

From: 81 To: 88 flow: 0 Cost :0

From: 82 To: 88 flow: 0 Cost :0

From: 82 To: 89 flow: 0 Cost :0

From: 82 To: 90 flow: 0 Cost :0

From: 83 To: 90 flow: 0 Cost :0

From: 84 To: 90 flow: 0 Cost :0

From: 86 To: 92 flow: 0 Cost :0

From: 86 To: 93 flow: 0 Cost :0

From: 87 To: 93 flow: 0 Cost :0

From: 87 To: 94 flow: 0 Cost :0

From: 87 To: 95 flow: 0 Cost :0

From: 88 To: 95 flow: 0 Cost :0

From: 89 To: 95 flow: 0 Cost :0

From: 91 To: 97 flow: 0 Cost :0

From: 91 To: 98 flow: 0 Cost :0

From: 92 To: 98 flow: 0 Cost :0

From: 92 To: 99 flow: 0 Cost :0

From: 92 To: 100 flow: 0 Cost :0

From: 93 To: 100 flow: 0 Cost :0

From: 94 To: 100 flow: 0 Cost :0

From: 96 To: 102 flow: 0 Cost :0

From: 96 To: 103 flow: 0 Cost :0

From: 97 To: 103 flow: 0 Cost :0

From: 97 To: 104 flow: 0 Cost :0

From: 97 To: 105 flow: 0 Cost :0

From: 98 To: 105 flow: 0 Cost :0

From: 99 To: 105 flow: 0 Cost :0

From: 101 To: 107 flow: 0 Cost :0

From: 101 To: 108 flow: 0 Cost :0

From: 102 To: 108 flow: 0 Cost :0

From: 102 To: 109 flow: 0 Cost :0

From: 102 To: 110 flow: 0 Cost :0

From: 103 To: 110 flow: 0 Cost :0

From: 104 To: 110 flow: 0 Cost :0

From: 106 To: 112 flow: 0 Cost :0

From: 106 To: 113 flow: 0 Cost :0

From: 107 To: 113 flow: 0 Cost :0

From: 107 To: 114 flow: 0 Cost :0

From: 107 To: 115 flow: 0 Cost :0

From: 108 To: 115 flow: 0 Cost :0

From: 109 To: 115 flow: 0 Cost :0

From: 111 To: 117 flow: 0 Cost :0

From: 111 To: 118 flow: 0 Cost :0

From: 112 To: 118 flow: 0 Cost :0

From: 112 To: 119 flow: 0 Cost :0

From: 112 To: 120 flow: 0 Cost :0

From: 113 To: 120 flow: 0 Cost :0

From: 114 To: 120 flow: 0 Cost :0

From: 116 To: 122 flow: 0 Cost :0

From: 116 To: 123 flow: 0 Cost :0

From: 117 To: 123 flow: 0 Cost :0

From: 117 To: 124 flow: 0 Cost :0

From: 117 To: 125 flow: 0 Cost :0

From: 118 To: 125 flow: 0 Cost :0

From: 119 To: 125 flow: 0 Cost :0

From: 121 To: 127 flow: 0 Cost :0

From: 121 To: 128 flow: 0 Cost :0

From: 122 To: 128 flow: 0 Cost :0

From: 122 To: 129 flow: 0 Cost :0

From: 122 To: 130 flow: 0 Cost :0

From: 123 To: 130 flow: 0 Cost :0

From: 124 To: 130 flow: 0 Cost :0

From: 126 To: 132 flow: 0 Cost :0

From: 126 To: 133 flow: 0 Cost :0

From: 127 To: 133 flow: 0 Cost :0

From: 127 To: 134 flow: 0 Cost :0

From: 127 To: 135 flow: 0 Cost :0

From: 128 To: 135 flow: 0 Cost :0

From: 129 To: 135 flow: 0 Cost :0

From: 131 To: 137 flow: 0 Cost :0

From: 131 To: 138 flow: 0 Cost :0

From: 132 To: 138 flow: 0 Cost :0

From: 132 To: 139 flow: 0 Cost :0

From: 132 To: 140 flow: 0 Cost :0

From: 133 To: 140 flow: 0 Cost :0

From: 134 To: 140 flow: 0 Cost :0

From: 136 To: 142 flow: 0 Cost :0

From: 136 To: 143 flow: 0 Cost :0

From: 137 To: 143 flow: 0 Cost :0

From: 137 To: 144 flow: 0 Cost :0

From: 137 To: 145 flow: 0 Cost :0

From: 138 To: 145 flow: 0 Cost :0

From: 139 To: 145 flow: 0 Cost :0

From: 141 To: 147 flow: 0 Cost :0

From: 141 To: 148 flow: 0 Cost :0

From: 142 To: 148 flow: 0 Cost :0

From: 142 To: 149 flow: 0 Cost :0

From: 142 To: 150 flow: 0 Cost :0

From: 143 To: 150 flow: 0 Cost :0

From: 144 To: 150 flow: 0 Cost :0

From: 146 To: 152 flow: 0 Cost :0

From: 146 To: 153 flow: 0 Cost :0

From: 147 To: 153 flow: 0 Cost :0

From: 147 To: 154 flow: 0 Cost :0

From: 147 To: 155 flow: 0 Cost :0

From: 148 To: 155 flow: 0 Cost :0

From: 149 To: 155 flow: 0 Cost :0

From: 151 To: 157 flow: 0 Cost :0

From: 151 To: 158 flow: 0 Cost :0

From: 152 To: 158 flow: 0 Cost :0

From: 152 To: 159 flow: 0 Cost :0

From: 152 To: 160 flow: 0 Cost :0

From: 153 To: 160 flow: 0 Cost :0

From: 154 To: 160 flow: 0 Cost :0

From: 156 To: 162 flow: 0 Cost :0

From: 156 To: 163 flow: 0 Cost :0

From: 157 To: 163 flow: 0 Cost :0

From: 157 To: 164 flow: 0 Cost :0

From: 157 To: 165 flow: 0 Cost :0

From: 158 To: 165 flow: 0 Cost :0

From: 159 To: 165 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 8 Cost :0

From: 0 To: 31 flow: 2 Cost :0

From: 0 To: 36 flow: 0 Cost :0

From: 0 To: 41 flow: 0 Cost :0

From: 0 To: 46 flow: 0 Cost :0

From: 0 To: 51 flow: 0 Cost :0

From: 0 To: 56 flow: 0 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 0 To: 101 flow: 0 Cost :0

From: 0 To: 106 flow: 0 Cost :0

From: 0 To: 111 flow: 0 Cost :0

From: 0 To: 116 flow: 0 Cost :0

From: 0 To: 121 flow: 0 Cost :0

From: 0 To: 126 flow: 0 Cost :0

From: 0 To: 131 flow: 0 Cost :0

From: 0 To: 136 flow: 0 Cost :0

From: 0 To: 141 flow: 0 Cost :0

From: 0 To: 146 flow: 0 Cost :0

From: 0 To: 151 flow: 0 Cost :0

From: 0 To: 156 flow: 0 Cost :0

From: 0 To: 161 flow: 0 Cost :0

From: 0 To: 166 flow: 0 Cost :0

From: 0 To: 171 flow: 0 Cost :0

From: 0 To: 176 flow: 0 Cost :0

From: 0 To: 181 flow: 0 Cost :0

From: 0 To: 186 flow: 0 Cost :0

From: 0 To: 191 flow: 0 Cost :0

From: 0 To: 196 flow: 0 Cost :0

From: 5 To: 201 flow: 0 Cost :5

From: 10 To: 201 flow: 0 Cost :10

From: 15 To: 201 flow: 0 Cost :20

From: 20 To: 201 flow: 8 Cost :40

From: 25 To: 201 flow: 18 Cost :80

From: 30 To: 201 flow: 18 Cost :160

From: 35 To: 201 flow: 18 Cost :320

From: 40 To: 201 flow: 18 Cost :640

From: 45 To: 201 flow: 18 Cost :1280

From: 50 To: 201 flow: 2 Cost :2560

From: 55 To: 201 flow: 0 Cost :5120

From: 60 To: 201 flow: 0 Cost :10240

From: 65 To: 201 flow: 0 Cost :20480

From: 70 To: 201 flow: 0 Cost :40960

From: 75 To: 201 flow: 0 Cost :81920

From: 80 To: 201 flow: 0 Cost :163840

From: 85 To: 201 flow: 0 Cost :327680

From: 90 To: 201 flow: 0 Cost :327680

From: 95 To: 201 flow: 0 Cost :327680

From: 100 To: 201 flow: 0 Cost :327680

From: 105 To: 201 flow: 0 Cost :327680

From: 110 To: 201 flow: 0 Cost :327680

From: 115 To: 201 flow: 0 Cost :327680

From: 120 To: 201 flow: 0 Cost :327680

From: 125 To: 201 flow: 0 Cost :327680

From: 130 To: 201 flow: 0 Cost :327680

From: 135 To: 201 flow: 0 Cost :327680

From: 140 To: 201 flow: 0 Cost :327680

From: 145 To: 201 flow: 0 Cost :327680

From: 150 To: 201 flow: 0 Cost :327680

From: 155 To: 201 flow: 0 Cost :327680

From: 160 To: 201 flow: 0 Cost :327680

From: 165 To: 201 flow: 0 Cost :327680

From: 170 To: 201 flow: 0 Cost :327680

From: 175 To: 201 flow: 0 Cost :327680

From: 180 To: 201 flow: 0 Cost :327680

From: 185 To: 201 flow: 0 Cost :327680

From: 190 To: 201 flow: 0 Cost :327680

From: 195 To: 201 flow: 0 Cost :327680

From: 200 To: 201 flow: 0 Cost :327680

n: 202 m: 304 Time taken: 9.58s

Test 10:

Cycle Cancelling:

Successive Shortest Path:

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 8 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 0 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 0 Cost :0

From: 46 To: 53 flow: 0 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 8 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 0 Cost :0

From: 51 To: 58 flow: 0 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 0 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 0 Cost :0

From: 54 To: 60 flow: 8 Cost :0

From: 56 To: 67 flow: 0 Cost :0

From: 56 To: 63 flow: 0 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 0 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 0 Cost :0

From: 59 To: 65 flow: 0 Cost :0

From: 61 To: 72 flow: 0 Cost :0

From: 61 To: 68 flow: 0 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 0 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 0 Cost :0

From: 64 To: 70 flow: 0 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 0 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 0 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 0 Cost :0

From: 69 To: 75 flow: 0 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 0 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 0 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 0 Cost :0

From: 74 To: 80 flow: 0 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 0 Cost :0

From: 79 To: 85 flow: 0 Cost :0

From: 81 To: 87 flow: 0 Cost :0

From: 81 To: 88 flow: 0 Cost :0

From: 82 To: 88 flow: 0 Cost :0

From: 82 To: 89 flow: 0 Cost :0

From: 82 To: 90 flow: 0 Cost :0

From: 83 To: 90 flow: 0 Cost :0

From: 84 To: 90 flow: 0 Cost :0

From: 86 To: 92 flow: 0 Cost :0

From: 86 To: 93 flow: 0 Cost :0

From: 87 To: 93 flow: 0 Cost :0

From: 87 To: 94 flow: 0 Cost :0

From: 87 To: 95 flow: 0 Cost :0

From: 88 To: 95 flow: 0 Cost :0

From: 89 To: 95 flow: 0 Cost :0

From: 91 To: 97 flow: 0 Cost :0

From: 91 To: 98 flow: 0 Cost :0

From: 92 To: 98 flow: 0 Cost :0

From: 92 To: 99 flow: 0 Cost :0

From: 92 To: 100 flow: 0 Cost :0

From: 93 To: 100 flow: 0 Cost :0

From: 94 To: 100 flow: 0 Cost :0

From: 96 To: 102 flow: 0 Cost :0

From: 96 To: 103 flow: 0 Cost :0

From: 97 To: 103 flow: 0 Cost :0

From: 97 To: 104 flow: 0 Cost :0

From: 97 To: 105 flow: 0 Cost :0

From: 98 To: 105 flow: 0 Cost :0

From: 99 To: 105 flow: 0 Cost :0

From: 101 To: 107 flow: 0 Cost :0

From: 101 To: 108 flow: 0 Cost :0

From: 102 To: 108 flow: 0 Cost :0

From: 102 To: 109 flow: 0 Cost :0

From: 102 To: 110 flow: 0 Cost :0

From: 103 To: 110 flow: 0 Cost :0

From: 104 To: 110 flow: 0 Cost :0

From: 106 To: 112 flow: 0 Cost :0

From: 106 To: 113 flow: 0 Cost :0

From: 107 To: 113 flow: 0 Cost :0

From: 107 To: 114 flow: 0 Cost :0

From: 107 To: 115 flow: 0 Cost :0

From: 108 To: 115 flow: 0 Cost :0

From: 109 To: 115 flow: 0 Cost :0

From: 111 To: 117 flow: 0 Cost :0

From: 111 To: 118 flow: 0 Cost :0

From: 112 To: 118 flow: 0 Cost :0

From: 112 To: 119 flow: 0 Cost :0

From: 112 To: 120 flow: 0 Cost :0

From: 113 To: 120 flow: 0 Cost :0

From: 114 To: 120 flow: 0 Cost :0

From: 116 To: 122 flow: 0 Cost :0

From: 116 To: 123 flow: 0 Cost :0

From: 117 To: 123 flow: 0 Cost :0

From: 117 To: 124 flow: 0 Cost :0

From: 117 To: 125 flow: 0 Cost :0

From: 118 To: 125 flow: 0 Cost :0

From: 119 To: 125 flow: 0 Cost :0

From: 121 To: 127 flow: 0 Cost :0

From: 121 To: 128 flow: 0 Cost :0

From: 122 To: 128 flow: 0 Cost :0

From: 122 To: 129 flow: 0 Cost :0

From: 122 To: 130 flow: 0 Cost :0

From: 123 To: 130 flow: 0 Cost :0

From: 124 To: 130 flow: 0 Cost :0

From: 126 To: 132 flow: 0 Cost :0

From: 126 To: 133 flow: 0 Cost :0

From: 127 To: 133 flow: 0 Cost :0

From: 127 To: 134 flow: 0 Cost :0

From: 127 To: 135 flow: 0 Cost :0

From: 128 To: 135 flow: 0 Cost :0

From: 129 To: 135 flow: 0 Cost :0

From: 131 To: 137 flow: 0 Cost :0

From: 131 To: 138 flow: 0 Cost :0

From: 132 To: 138 flow: 0 Cost :0

From: 132 To: 139 flow: 0 Cost :0

From: 132 To: 140 flow: 0 Cost :0

From: 133 To: 140 flow: 0 Cost :0

From: 134 To: 140 flow: 0 Cost :0

From: 136 To: 142 flow: 0 Cost :0

From: 136 To: 143 flow: 0 Cost :0

From: 137 To: 143 flow: 0 Cost :0

From: 137 To: 144 flow: 0 Cost :0

From: 137 To: 145 flow: 0 Cost :0

From: 138 To: 145 flow: 0 Cost :0

From: 139 To: 145 flow: 0 Cost :0

From: 141 To: 147 flow: 0 Cost :0

From: 141 To: 148 flow: 0 Cost :0

From: 142 To: 148 flow: 0 Cost :0

From: 142 To: 149 flow: 0 Cost :0

From: 142 To: 150 flow: 0 Cost :0

From: 143 To: 150 flow: 0 Cost :0

From: 144 To: 150 flow: 0 Cost :0

From: 146 To: 152 flow: 0 Cost :0

From: 146 To: 153 flow: 0 Cost :0

From: 147 To: 153 flow: 0 Cost :0

From: 147 To: 154 flow: 0 Cost :0

From: 147 To: 155 flow: 0 Cost :0

From: 148 To: 155 flow: 0 Cost :0

From: 149 To: 155 flow: 0 Cost :0

From: 151 To: 157 flow: 0 Cost :0

From: 151 To: 158 flow: 0 Cost :0

From: 152 To: 158 flow: 0 Cost :0

From: 152 To: 159 flow: 0 Cost :0

From: 152 To: 160 flow: 0 Cost :0

From: 153 To: 160 flow: 0 Cost :0

From: 154 To: 160 flow: 0 Cost :0

From: 156 To: 162 flow: 0 Cost :0

From: 156 To: 163 flow: 0 Cost :0

From: 157 To: 163 flow: 0 Cost :0

From: 157 To: 164 flow: 0 Cost :0

From: 157 To: 165 flow: 0 Cost :0

From: 158 To: 165 flow: 0 Cost :0

From: 159 To: 165 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 16 Cost :0

From: 0 To: 41 flow: 8 Cost :0

From: 0 To: 46 flow: 0 Cost :0

From: 0 To: 51 flow: 0 Cost :0

From: 0 To: 56 flow: 0 Cost :0

From: 0 To: 61 flow: 0 Cost :0

From: 0 To: 66 flow: 0 Cost :0

From: 0 To: 71 flow: 0 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 0 To: 101 flow: 0 Cost :0

From: 0 To: 106 flow: 0 Cost :0

From: 0 To: 111 flow: 0 Cost :0

From: 0 To: 116 flow: 0 Cost :0

From: 0 To: 121 flow: 0 Cost :0

From: 0 To: 126 flow: 0 Cost :0

From: 0 To: 131 flow: 0 Cost :0

From: 0 To: 136 flow: 0 Cost :0

From: 0 To: 141 flow: 0 Cost :0

From: 0 To: 146 flow: 0 Cost :0

From: 0 To: 151 flow: 0 Cost :0

From: 0 To: 156 flow: 0 Cost :0

From: 0 To: 161 flow: 0 Cost :0

From: 0 To: 166 flow: 0 Cost :0

From: 0 To: 171 flow: 0 Cost :0

From: 0 To: 176 flow: 0 Cost :0

From: 0 To: 181 flow: 0 Cost :0

From: 0 To: 186 flow: 0 Cost :0

From: 0 To: 191 flow: 0 Cost :0

From: 0 To: 196 flow: 0 Cost :0

From: 5 To: 201 flow: 0 Cost :5

From: 10 To: 201 flow: 0 Cost :10

From: 15 To: 201 flow: 0 Cost :20

From: 20 To: 201 flow: 8 Cost :40

From: 25 To: 201 flow: 18 Cost :80

From: 30 To: 201 flow: 18 Cost :160

From: 35 To: 201 flow: 18 Cost :320

From: 40 To: 201 flow: 18 Cost :640

From: 45 To: 201 flow: 18 Cost :1280

From: 50 To: 201 flow: 18 Cost :2560

From: 55 To: 201 flow: 18 Cost :5120

From: 60 To: 201 flow: 16 Cost :10240

From: 65 To: 201 flow: 0 Cost :20480

From: 70 To: 201 flow: 0 Cost :40960

From: 75 To: 201 flow: 0 Cost :81920

From: 80 To: 201 flow: 0 Cost :163840

From: 85 To: 201 flow: 0 Cost :327680

From: 90 To: 201 flow: 0 Cost :327680

From: 95 To: 201 flow: 0 Cost :327680

From: 100 To: 201 flow: 0 Cost :327680

From: 105 To: 201 flow: 0 Cost :327680

From: 110 To: 201 flow: 0 Cost :327680

From: 115 To: 201 flow: 0 Cost :327680

From: 120 To: 201 flow: 0 Cost :327680

From: 125 To: 201 flow: 0 Cost :327680

From: 130 To: 201 flow: 0 Cost :327680

From: 135 To: 201 flow: 0 Cost :327680

From: 140 To: 201 flow: 0 Cost :327680

From: 145 To: 201 flow: 0 Cost :327680

From: 150 To: 201 flow: 0 Cost :327680

From: 155 To: 201 flow: 0 Cost :327680

From: 160 To: 201 flow: 0 Cost :327680

From: 165 To: 201 flow: 0 Cost :327680

From: 170 To: 201 flow: 0 Cost :327680

From: 175 To: 201 flow: 0 Cost :327680

From: 180 To: 201 flow: 0 Cost :327680

From: 185 To: 201 flow: 0 Cost :327680

From: 190 To: 201 flow: 0 Cost :327680

From: 195 To: 201 flow: 0 Cost :327680

From: 200 To: 201 flow: 0 Cost :327680

n: 202 m: 304 Time taken: 13.53s

Test 11:

Successive Shortest Path:

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 10 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 10 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 10 Cost :0

From: 46 To: 53 flow: 8 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 10 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 10 Cost :0

From: 51 To: 58 flow: 8 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 10 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 8 Cost :0

From: 54 To: 60 flow: 10 Cost :0

From: 56 To: 67 flow: 10 Cost :0

From: 56 To: 63 flow: 8 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 10 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 8 Cost :0

From: 59 To: 65 flow: 10 Cost :0

From: 61 To: 72 flow: 10 Cost :0

From: 61 To: 68 flow: 8 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 10 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 8 Cost :0

From: 64 To: 70 flow: 10 Cost :0

From: 66 To: 77 flow: 0 Cost :0

From: 66 To: 73 flow: 8 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 10 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 8 Cost :0

From: 69 To: 75 flow: 10 Cost :0

From: 71 To: 82 flow: 0 Cost :0

From: 71 To: 78 flow: 8 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 10 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 8 Cost :0

From: 74 To: 80 flow: 10 Cost :0

From: 76 To: 87 flow: 0 Cost :0

From: 76 To: 83 flow: 0 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 0 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 8 Cost :0

From: 79 To: 85 flow: 10 Cost :0

From: 81 To: 87 flow: 0 Cost :0

From: 81 To: 88 flow: 0 Cost :0

From: 82 To: 88 flow: 0 Cost :0

From: 82 To: 89 flow: 0 Cost :0

From: 82 To: 90 flow: 0 Cost :0

From: 83 To: 90 flow: 0 Cost :0

From: 84 To: 90 flow: 0 Cost :0

From: 86 To: 92 flow: 0 Cost :0

From: 86 To: 93 flow: 0 Cost :0

From: 87 To: 93 flow: 0 Cost :0

From: 87 To: 94 flow: 0 Cost :0

From: 87 To: 95 flow: 0 Cost :0

From: 88 To: 95 flow: 0 Cost :0

From: 89 To: 95 flow: 0 Cost :0

From: 91 To: 97 flow: 0 Cost :0

From: 91 To: 98 flow: 0 Cost :0

From: 92 To: 98 flow: 0 Cost :0

From: 92 To: 99 flow: 0 Cost :0

From: 92 To: 100 flow: 0 Cost :0

From: 93 To: 100 flow: 0 Cost :0

From: 94 To: 100 flow: 0 Cost :0

From: 96 To: 102 flow: 0 Cost :0

From: 96 To: 103 flow: 0 Cost :0

From: 97 To: 103 flow: 0 Cost :0

From: 97 To: 104 flow: 0 Cost :0

From: 97 To: 105 flow: 0 Cost :0

From: 98 To: 105 flow: 0 Cost :0

From: 99 To: 105 flow: 0 Cost :0

From: 101 To: 107 flow: 0 Cost :0

From: 101 To: 108 flow: 0 Cost :0

From: 102 To: 108 flow: 0 Cost :0

From: 102 To: 109 flow: 0 Cost :0

From: 102 To: 110 flow: 0 Cost :0

From: 103 To: 110 flow: 0 Cost :0

From: 104 To: 110 flow: 0 Cost :0

From: 106 To: 112 flow: 0 Cost :0

From: 106 To: 113 flow: 0 Cost :0

From: 107 To: 113 flow: 0 Cost :0

From: 107 To: 114 flow: 0 Cost :0

From: 107 To: 115 flow: 0 Cost :0

From: 108 To: 115 flow: 0 Cost :0

From: 109 To: 115 flow: 0 Cost :0

From: 111 To: 117 flow: 0 Cost :0

From: 111 To: 118 flow: 0 Cost :0

From: 112 To: 118 flow: 0 Cost :0

From: 112 To: 119 flow: 0 Cost :0

From: 112 To: 120 flow: 0 Cost :0

From: 113 To: 120 flow: 0 Cost :0

From: 114 To: 120 flow: 0 Cost :0

From: 116 To: 122 flow: 0 Cost :0

From: 116 To: 123 flow: 0 Cost :0

From: 117 To: 123 flow: 0 Cost :0

From: 117 To: 124 flow: 0 Cost :0

From: 117 To: 125 flow: 0 Cost :0

From: 118 To: 125 flow: 0 Cost :0

From: 119 To: 125 flow: 0 Cost :0

From: 121 To: 127 flow: 0 Cost :0

From: 121 To: 128 flow: 0 Cost :0

From: 122 To: 128 flow: 0 Cost :0

From: 122 To: 129 flow: 0 Cost :0

From: 122 To: 130 flow: 0 Cost :0

From: 123 To: 130 flow: 0 Cost :0

From: 124 To: 130 flow: 0 Cost :0

From: 126 To: 132 flow: 0 Cost :0

From: 126 To: 133 flow: 0 Cost :0

From: 127 To: 133 flow: 0 Cost :0

From: 127 To: 134 flow: 0 Cost :0

From: 127 To: 135 flow: 0 Cost :0

From: 128 To: 135 flow: 0 Cost :0

From: 129 To: 135 flow: 0 Cost :0

From: 131 To: 137 flow: 0 Cost :0

From: 131 To: 138 flow: 0 Cost :0

From: 132 To: 138 flow: 0 Cost :0

From: 132 To: 139 flow: 0 Cost :0

From: 132 To: 140 flow: 0 Cost :0

From: 133 To: 140 flow: 0 Cost :0

From: 134 To: 140 flow: 0 Cost :0

From: 136 To: 142 flow: 0 Cost :0

From: 136 To: 143 flow: 0 Cost :0

From: 137 To: 143 flow: 0 Cost :0

From: 137 To: 144 flow: 0 Cost :0

From: 137 To: 145 flow: 0 Cost :0

From: 138 To: 145 flow: 0 Cost :0

From: 139 To: 145 flow: 0 Cost :0

From: 141 To: 147 flow: 0 Cost :0

From: 141 To: 148 flow: 0 Cost :0

From: 142 To: 148 flow: 0 Cost :0

From: 142 To: 149 flow: 0 Cost :0

From: 142 To: 150 flow: 0 Cost :0

From: 143 To: 150 flow: 0 Cost :0

From: 144 To: 150 flow: 0 Cost :0

From: 146 To: 152 flow: 0 Cost :0

From: 146 To: 153 flow: 0 Cost :0

From: 147 To: 153 flow: 0 Cost :0

From: 147 To: 154 flow: 0 Cost :0

From: 147 To: 155 flow: 0 Cost :0

From: 148 To: 155 flow: 0 Cost :0

From: 149 To: 155 flow: 0 Cost :0

From: 151 To: 157 flow: 0 Cost :0

From: 151 To: 158 flow: 0 Cost :0

From: 152 To: 158 flow: 0 Cost :0

From: 152 To: 159 flow: 0 Cost :0

From: 152 To: 160 flow: 0 Cost :0

From: 153 To: 160 flow: 0 Cost :0

From: 154 To: 160 flow: 0 Cost :0

From: 156 To: 162 flow: 0 Cost :0

From: 156 To: 163 flow: 0 Cost :0

From: 157 To: 163 flow: 0 Cost :0

From: 157 To: 164 flow: 0 Cost :0

From: 157 To: 165 flow: 0 Cost :0

From: 158 To: 165 flow: 0 Cost :0

From: 159 To: 165 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 18 Cost :0

From: 0 To: 41 flow: 18 Cost :0

From: 0 To: 46 flow: 18 Cost :0

From: 0 To: 51 flow: 18 Cost :0

From: 0 To: 56 flow: 18 Cost :0

From: 0 To: 61 flow: 18 Cost :0

From: 0 To: 66 flow: 8 Cost :0

From: 0 To: 71 flow: 8 Cost :0

From: 0 To: 76 flow: 0 Cost :0

From: 0 To: 81 flow: 0 Cost :0

From: 0 To: 86 flow: 0 Cost :0

From: 0 To: 91 flow: 0 Cost :0

From: 0 To: 96 flow: 0 Cost :0

From: 0 To: 101 flow: 0 Cost :0

From: 0 To: 106 flow: 0 Cost :0

From: 0 To: 111 flow: 0 Cost :0

From: 0 To: 116 flow: 0 Cost :0

From: 0 To: 121 flow: 0 Cost :0

From: 0 To: 126 flow: 0 Cost :0

From: 0 To: 131 flow: 0 Cost :0

From: 0 To: 136 flow: 0 Cost :0

From: 0 To: 141 flow: 0 Cost :0

From: 0 To: 146 flow: 0 Cost :0

From: 0 To: 151 flow: 0 Cost :0

From: 0 To: 156 flow: 0 Cost :0

From: 0 To: 161 flow: 0 Cost :0

From: 0 To: 166 flow: 0 Cost :0

From: 0 To: 171 flow: 0 Cost :0

From: 0 To: 176 flow: 0 Cost :0

From: 0 To: 181 flow: 0 Cost :0

From: 0 To: 186 flow: 0 Cost :0

From: 0 To: 191 flow: 0 Cost :0

From: 0 To: 196 flow: 0 Cost :0

From: 5 To: 201 flow: 0 Cost :5

From: 10 To: 201 flow: 0 Cost :10

From: 15 To: 201 flow: 0 Cost :20

From: 20 To: 201 flow: 8 Cost :40

From: 25 To: 201 flow: 18 Cost :80

From: 30 To: 201 flow: 18 Cost :160

From: 35 To: 201 flow: 18 Cost :320

From: 40 To: 201 flow: 18 Cost :640

From: 45 To: 201 flow: 18 Cost :1280

From: 50 To: 201 flow: 18 Cost :2560

From: 55 To: 201 flow: 18 Cost :5120

From: 60 To: 201 flow: 18 Cost :10240

From: 65 To: 201 flow: 18 Cost :20480

From: 70 To: 201 flow: 18 Cost :40960

From: 75 To: 201 flow: 18 Cost :81920

From: 80 To: 201 flow: 18 Cost :163840

From: 85 To: 201 flow: 18 Cost :327680

From: 90 To: 201 flow: 8 Cost :327680

From: 95 To: 201 flow: 0 Cost :327680

From: 100 To: 201 flow: 0 Cost :327680

From: 105 To: 201 flow: 0 Cost :327680

From: 110 To: 201 flow: 0 Cost :327680

From: 115 To: 201 flow: 0 Cost :327680

From: 120 To: 201 flow: 0 Cost :327680

From: 125 To: 201 flow: 0 Cost :327680

From: 130 To: 201 flow: 0 Cost :327680

From: 135 To: 201 flow: 0 Cost :327680

From: 140 To: 201 flow: 0 Cost :327680

From: 145 To: 201 flow: 0 Cost :327680

From: 150 To: 201 flow: 0 Cost :327680

From: 155 To: 201 flow: 0 Cost :327680

From: 160 To: 201 flow: 0 Cost :327680

From: 165 To: 201 flow: 0 Cost :327680

From: 170 To: 201 flow: 0 Cost :327680

From: 175 To: 201 flow: 0 Cost :327680

From: 180 To: 201 flow: 0 Cost :327680

From: 185 To: 201 flow: 0 Cost :327680

From: 190 To: 201 flow: 0 Cost :327680

From: 195 To: 201 flow: 0 Cost :327680

From: 200 To: 201 flow: 0 Cost :327680

n: 202 m: 304 Time taken: 20.40s

Test 12:

Successive Shortest Path:

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 10 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 10 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 10 Cost :0

From: 46 To: 53 flow: 8 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 10 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 10 Cost :0

From: 51 To: 58 flow: 8 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 10 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 8 Cost :0

From: 54 To: 60 flow: 10 Cost :0

From: 56 To: 67 flow: 10 Cost :0

From: 56 To: 63 flow: 8 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 10 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 8 Cost :0

From: 59 To: 65 flow: 10 Cost :0

From: 61 To: 72 flow: 10 Cost :0

From: 61 To: 68 flow: 8 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 10 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 8 Cost :0

From: 64 To: 70 flow: 10 Cost :0

From: 66 To: 77 flow: 10 Cost :0

From: 66 To: 73 flow: 8 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 10 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 8 Cost :0

From: 69 To: 75 flow: 10 Cost :0

From: 71 To: 82 flow: 10 Cost :0

From: 71 To: 78 flow: 8 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 10 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 8 Cost :0

From: 74 To: 80 flow: 10 Cost :0

From: 76 To: 87 flow: 10 Cost :0

From: 76 To: 83 flow: 8 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 10 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 8 Cost :0

From: 79 To: 85 flow: 10 Cost :0

From: 81 To: 87 flow: 7 Cost :0

From: 81 To: 88 flow: 8 Cost :0

From: 82 To: 88 flow: 0 Cost :0

From: 82 To: 89 flow: 5 Cost :0

From: 82 To: 90 flow: 5 Cost :0

From: 83 To: 90 flow: 8 Cost :0

From: 84 To: 90 flow: 10 Cost :0

From: 86 To: 92 flow: 10 Cost :0

From: 86 To: 93 flow: 8 Cost :0

From: 87 To: 93 flow: 0 Cost :0

From: 87 To: 94 flow: 12 Cost :0

From: 87 To: 95 flow: 5 Cost :0

From: 88 To: 95 flow: 8 Cost :0

From: 89 To: 95 flow: 5 Cost :0

From: 91 To: 97 flow: 8 Cost :0

From: 91 To: 98 flow: 8 Cost :0

From: 92 To: 98 flow: 0 Cost :0

From: 92 To: 99 flow: 5 Cost :0

From: 92 To: 100 flow: 5 Cost :0

From: 93 To: 100 flow: 8 Cost :0

From: 94 To: 100 flow: 12 Cost :0

From: 96 To: 102 flow: 5 Cost :0

From: 96 To: 103 flow: 8 Cost :0

From: 97 To: 103 flow: 0 Cost :0

From: 97 To: 104 flow: 3 Cost :0

From: 97 To: 105 flow: 5 Cost :0

From: 98 To: 105 flow: 8 Cost :0

From: 99 To: 105 flow: 5 Cost :0

From: 101 To: 107 flow: 0 Cost :0

From: 101 To: 108 flow: 0 Cost :0

From: 102 To: 108 flow: 0 Cost :0

From: 102 To: 109 flow: 0 Cost :0

From: 102 To: 110 flow: 5 Cost :0

From: 103 To: 110 flow: 8 Cost :0

From: 104 To: 110 flow: 3 Cost :0

From: 106 To: 112 flow: 0 Cost :0

From: 106 To: 113 flow: 0 Cost :0

From: 107 To: 113 flow: 0 Cost :0

From: 107 To: 114 flow: 0 Cost :0

From: 107 To: 115 flow: 0 Cost :0

From: 108 To: 115 flow: 0 Cost :0

From: 109 To: 115 flow: 0 Cost :0

From: 111 To: 117 flow: 0 Cost :0

From: 111 To: 118 flow: 0 Cost :0

From: 112 To: 118 flow: 0 Cost :0

From: 112 To: 119 flow: 0 Cost :0

From: 112 To: 120 flow: 0 Cost :0

From: 113 To: 120 flow: 0 Cost :0

From: 114 To: 120 flow: 0 Cost :0

From: 116 To: 122 flow: 0 Cost :0

From: 116 To: 123 flow: 0 Cost :0

From: 117 To: 123 flow: 0 Cost :0

From: 117 To: 124 flow: 0 Cost :0

From: 117 To: 125 flow: 0 Cost :0

From: 118 To: 125 flow: 0 Cost :0

From: 119 To: 125 flow: 0 Cost :0

From: 121 To: 127 flow: 0 Cost :0

From: 121 To: 128 flow: 0 Cost :0

From: 122 To: 128 flow: 0 Cost :0

From: 122 To: 129 flow: 0 Cost :0

From: 122 To: 130 flow: 0 Cost :0

From: 123 To: 130 flow: 0 Cost :0

From: 124 To: 130 flow: 0 Cost :0

From: 126 To: 132 flow: 0 Cost :0

From: 126 To: 133 flow: 0 Cost :0

From: 127 To: 133 flow: 0 Cost :0

From: 127 To: 134 flow: 0 Cost :0

From: 127 To: 135 flow: 0 Cost :0

From: 128 To: 135 flow: 0 Cost :0

From: 129 To: 135 flow: 0 Cost :0

From: 131 To: 137 flow: 0 Cost :0

From: 131 To: 138 flow: 0 Cost :0

From: 132 To: 138 flow: 0 Cost :0

From: 132 To: 139 flow: 0 Cost :0

From: 132 To: 140 flow: 0 Cost :0

From: 133 To: 140 flow: 0 Cost :0

From: 134 To: 140 flow: 0 Cost :0

From: 136 To: 142 flow: 0 Cost :0

From: 136 To: 143 flow: 0 Cost :0

From: 137 To: 143 flow: 0 Cost :0

From: 137 To: 144 flow: 0 Cost :0

From: 137 To: 145 flow: 0 Cost :0

From: 138 To: 145 flow: 0 Cost :0

From: 139 To: 145 flow: 0 Cost :0

From: 141 To: 147 flow: 0 Cost :0

From: 141 To: 148 flow: 0 Cost :0

From: 142 To: 148 flow: 0 Cost :0

From: 142 To: 149 flow: 0 Cost :0

From: 142 To: 150 flow: 0 Cost :0

From: 143 To: 150 flow: 0 Cost :0

From: 144 To: 150 flow: 0 Cost :0

From: 146 To: 152 flow: 0 Cost :0

From: 146 To: 153 flow: 0 Cost :0

From: 147 To: 153 flow: 0 Cost :0

From: 147 To: 154 flow: 0 Cost :0

From: 147 To: 155 flow: 0 Cost :0

From: 148 To: 155 flow: 0 Cost :0

From: 149 To: 155 flow: 0 Cost :0

From: 151 To: 157 flow: 0 Cost :0

From: 151 To: 158 flow: 0 Cost :0

From: 152 To: 158 flow: 0 Cost :0

From: 152 To: 159 flow: 0 Cost :0

From: 152 To: 160 flow: 0 Cost :0

From: 153 To: 160 flow: 0 Cost :0

From: 154 To: 160 flow: 0 Cost :0

From: 156 To: 162 flow: 0 Cost :0

From: 156 To: 163 flow: 0 Cost :0

From: 157 To: 163 flow: 0 Cost :0

From: 157 To: 164 flow: 0 Cost :0

From: 157 To: 165 flow: 0 Cost :0

From: 158 To: 165 flow: 0 Cost :0

From: 159 To: 165 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 18 Cost :0

From: 0 To: 41 flow: 18 Cost :0

From: 0 To: 46 flow: 18 Cost :0

From: 0 To: 51 flow: 18 Cost :0

From: 0 To: 56 flow: 18 Cost :0

From: 0 To: 61 flow: 18 Cost :0

From: 0 To: 66 flow: 18 Cost :0

From: 0 To: 71 flow: 18 Cost :0

From: 0 To: 76 flow: 18 Cost :0

From: 0 To: 81 flow: 15 Cost :0

From: 0 To: 86 flow: 18 Cost :0

From: 0 To: 91 flow: 16 Cost :0

From: 0 To: 96 flow: 13 Cost :0

From: 0 To: 101 flow: 0 Cost :0

From: 0 To: 106 flow: 0 Cost :0

From: 0 To: 111 flow: 0 Cost :0

From: 0 To: 116 flow: 0 Cost :0

From: 0 To: 121 flow: 0 Cost :0

From: 0 To: 126 flow: 0 Cost :0

From: 0 To: 131 flow: 0 Cost :0

From: 0 To: 136 flow: 0 Cost :0

From: 0 To: 141 flow: 0 Cost :0

From: 0 To: 146 flow: 0 Cost :0

From: 0 To: 151 flow: 0 Cost :0

From: 0 To: 156 flow: 0 Cost :0

From: 0 To: 161 flow: 0 Cost :0

From: 0 To: 166 flow: 0 Cost :0

From: 0 To: 171 flow: 0 Cost :0

From: 0 To: 176 flow: 0 Cost :0

From: 0 To: 181 flow: 0 Cost :0

From: 0 To: 186 flow: 0 Cost :0

From: 0 To: 191 flow: 0 Cost :0

From: 0 To: 196 flow: 0 Cost :0

From: 5 To: 201 flow: 0 Cost :5

From: 10 To: 201 flow: 0 Cost :10

From: 15 To: 201 flow: 0 Cost :20

From: 20 To: 201 flow: 8 Cost :40

From: 25 To: 201 flow: 18 Cost :80

From: 30 To: 201 flow: 18 Cost :160

From: 35 To: 201 flow: 18 Cost :320

From: 40 To: 201 flow: 18 Cost :640

From: 45 To: 201 flow: 18 Cost :1280

From: 50 To: 201 flow: 18 Cost :2560

From: 55 To: 201 flow: 18 Cost :5120

From: 60 To: 201 flow: 18 Cost :10240

From: 65 To: 201 flow: 18 Cost :20480

From: 70 To: 201 flow: 18 Cost :40960

From: 75 To: 201 flow: 18 Cost :81920

From: 80 To: 201 flow: 18 Cost :163840

From: 85 To: 201 flow: 18 Cost :327680

From: 90 To: 201 flow: 31 Cost :327680

From: 95 To: 201 flow: 18 Cost :327680

From: 100 To: 201 flow: 25 Cost :327680

From: 105 To: 201 flow: 18 Cost :327680

From: 110 To: 201 flow: 16 Cost :327680

From: 115 To: 201 flow: 0 Cost :327680

From: 120 To: 201 flow: 0 Cost :327680

From: 125 To: 201 flow: 0 Cost :327680

From: 130 To: 201 flow: 0 Cost :327680

From: 135 To: 201 flow: 0 Cost :327680

From: 140 To: 201 flow: 0 Cost :327680

From: 145 To: 201 flow: 0 Cost :327680

From: 150 To: 201 flow: 0 Cost :327680

From: 155 To: 201 flow: 0 Cost :327680

From: 160 To: 201 flow: 0 Cost :327680

From: 165 To: 201 flow: 0 Cost :327680

From: 170 To: 201 flow: 0 Cost :327680

From: 175 To: 201 flow: 0 Cost :327680

From: 180 To: 201 flow: 0 Cost :327680

From: 185 To: 201 flow: 0 Cost :327680

From: 190 To: 201 flow: 0 Cost :327680

From: 195 To: 201 flow: 0 Cost :327680

From: 200 To: 201 flow: 0 Cost :327680

n: 202 m: 304 Time taken: 28.83s

Final Network:

From: 1 To: 12 flow: 10 Cost :0

From: 1 To: 8 flow: 8 Cost :0

From: 2 To: 8 flow: 0 Cost :0

From: 2 To: 9 flow: 0 Cost :0

From: 2 To: 20 flow: 0 Cost :0

From: 3 To: 15 flow: 0 Cost :0

From: 4 To: 10 flow: 0 Cost :0

From: 6 To: 17 flow: 10 Cost :0

From: 6 To: 13 flow: 8 Cost :0

From: 7 To: 13 flow: 0 Cost :0

From: 7 To: 14 flow: 0 Cost :0

From: 7 To: 25 flow: 0 Cost :0

From: 8 To: 20 flow: 8 Cost :0

From: 9 To: 15 flow: 0 Cost :0

From: 11 To: 22 flow: 10 Cost :0

From: 11 To: 18 flow: 8 Cost :0

From: 12 To: 18 flow: 0 Cost :0

From: 12 To: 19 flow: 10 Cost :0

From: 12 To: 30 flow: 0 Cost :0

From: 13 To: 25 flow: 8 Cost :0

From: 14 To: 20 flow: 0 Cost :0

From: 16 To: 27 flow: 10 Cost :0

From: 16 To: 23 flow: 8 Cost :0

From: 17 To: 23 flow: 0 Cost :0

From: 17 To: 24 flow: 10 Cost :0

From: 17 To: 35 flow: 0 Cost :0

From: 18 To: 30 flow: 8 Cost :0

From: 19 To: 25 flow: 10 Cost :0

From: 21 To: 32 flow: 10 Cost :0

From: 21 To: 28 flow: 8 Cost :0

From: 22 To: 28 flow: 0 Cost :0

From: 22 To: 29 flow: 10 Cost :0

From: 22 To: 40 flow: 0 Cost :0

From: 23 To: 35 flow: 8 Cost :0

From: 24 To: 30 flow: 10 Cost :0

From: 26 To: 37 flow: 10 Cost :0

From: 26 To: 33 flow: 8 Cost :0

From: 27 To: 33 flow: 0 Cost :0

From: 27 To: 34 flow: 10 Cost :0

From: 27 To: 45 flow: 0 Cost :0

From: 28 To: 40 flow: 8 Cost :0

From: 29 To: 35 flow: 10 Cost :0

From: 31 To: 42 flow: 10 Cost :0

From: 31 To: 38 flow: 8 Cost :0

From: 32 To: 38 flow: 0 Cost :0

From: 32 To: 39 flow: 10 Cost :0

From: 32 To: 50 flow: 0 Cost :0

From: 33 To: 45 flow: 8 Cost :0

From: 34 To: 40 flow: 10 Cost :0

From: 36 To: 47 flow: 10 Cost :0

From: 36 To: 43 flow: 8 Cost :0

From: 37 To: 43 flow: 0 Cost :0

From: 37 To: 44 flow: 10 Cost :0

From: 37 To: 55 flow: 0 Cost :0

From: 38 To: 50 flow: 8 Cost :0

From: 39 To: 45 flow: 10 Cost :0

From: 41 To: 52 flow: 10 Cost :0

From: 41 To: 48 flow: 8 Cost :0

From: 42 To: 48 flow: 0 Cost :0

From: 42 To: 49 flow: 10 Cost :0

From: 42 To: 60 flow: 0 Cost :0

From: 43 To: 55 flow: 8 Cost :0

From: 44 To: 50 flow: 10 Cost :0

From: 46 To: 57 flow: 10 Cost :0

From: 46 To: 53 flow: 8 Cost :0

From: 47 To: 53 flow: 0 Cost :0

From: 47 To: 54 flow: 10 Cost :0

From: 47 To: 65 flow: 0 Cost :0

From: 48 To: 60 flow: 8 Cost :0

From: 49 To: 55 flow: 10 Cost :0

From: 51 To: 62 flow: 10 Cost :0

From: 51 To: 58 flow: 8 Cost :0

From: 52 To: 58 flow: 0 Cost :0

From: 52 To: 59 flow: 10 Cost :0

From: 52 To: 70 flow: 0 Cost :0

From: 53 To: 65 flow: 8 Cost :0

From: 54 To: 60 flow: 10 Cost :0

From: 56 To: 67 flow: 10 Cost :0

From: 56 To: 63 flow: 8 Cost :0

From: 57 To: 63 flow: 0 Cost :0

From: 57 To: 64 flow: 10 Cost :0

From: 57 To: 75 flow: 0 Cost :0

From: 58 To: 70 flow: 8 Cost :0

From: 59 To: 65 flow: 10 Cost :0

From: 61 To: 72 flow: 10 Cost :0

From: 61 To: 68 flow: 8 Cost :0

From: 62 To: 68 flow: 0 Cost :0

From: 62 To: 69 flow: 10 Cost :0

From: 62 To: 80 flow: 0 Cost :0

From: 63 To: 75 flow: 8 Cost :0

From: 64 To: 70 flow: 10 Cost :0

From: 66 To: 77 flow: 10 Cost :0

From: 66 To: 73 flow: 8 Cost :0

From: 67 To: 73 flow: 0 Cost :0

From: 67 To: 74 flow: 10 Cost :0

From: 67 To: 85 flow: 0 Cost :0

From: 68 To: 80 flow: 8 Cost :0

From: 69 To: 75 flow: 10 Cost :0

From: 71 To: 82 flow: 10 Cost :0

From: 71 To: 78 flow: 8 Cost :0

From: 72 To: 78 flow: 0 Cost :0

From: 72 To: 79 flow: 10 Cost :0

From: 72 To: 90 flow: 0 Cost :0

From: 73 To: 85 flow: 8 Cost :0

From: 74 To: 80 flow: 10 Cost :0

From: 76 To: 87 flow: 10 Cost :0

From: 76 To: 83 flow: 8 Cost :0

From: 77 To: 83 flow: 0 Cost :0

From: 77 To: 84 flow: 10 Cost :0

From: 77 To: 95 flow: 0 Cost :0

From: 78 To: 90 flow: 8 Cost :0

From: 79 To: 85 flow: 10 Cost :0

From: 81 To: 87 flow: 7 Cost :0

From: 81 To: 88 flow: 8 Cost :0

From: 82 To: 88 flow: 0 Cost :0

From: 82 To: 89 flow: 5 Cost :0

From: 82 To: 90 flow: 5 Cost :0

From: 83 To: 90 flow: 8 Cost :0

From: 84 To: 90 flow: 10 Cost :0

From: 86 To: 92 flow: 10 Cost :0

From: 86 To: 93 flow: 8 Cost :0

From: 87 To: 93 flow: 0 Cost :0

From: 87 To: 94 flow: 12 Cost :0

From: 87 To: 95 flow: 5 Cost :0

From: 88 To: 95 flow: 8 Cost :0

From: 89 To: 95 flow: 5 Cost :0

From: 91 To: 97 flow: 10 Cost :0

From: 91 To: 98 flow: 8 Cost :0

From: 92 To: 98 flow: 0 Cost :0

From: 92 To: 99 flow: 5 Cost :0

From: 92 To: 100 flow: 5 Cost :0

From: 93 To: 100 flow: 8 Cost :0

From: 94 To: 100 flow: 12 Cost :0

From: 96 To: 102 flow: 10 Cost :0

From: 96 To: 103 flow: 8 Cost :0

From: 97 To: 103 flow: 0 Cost :0

From: 97 To: 104 flow: 5 Cost :0

From: 97 To: 105 flow: 5 Cost :0

From: 98 To: 105 flow: 8 Cost :0

From: 99 To: 105 flow: 5 Cost :0

From: 101 To: 107 flow: 10 Cost :0

From: 101 To: 108 flow: 8 Cost :0

From: 102 To: 108 flow: 0 Cost :0

From: 102 To: 109 flow: 5 Cost :0

From: 102 To: 110 flow: 5 Cost :0

From: 103 To: 110 flow: 8 Cost :0

From: 104 To: 110 flow: 5 Cost :0

From: 106 To: 112 flow: 10 Cost :0

From: 106 To: 113 flow: 8 Cost :0

From: 107 To: 113 flow: 0 Cost :0

From: 107 To: 114 flow: 5 Cost :0

From: 107 To: 115 flow: 5 Cost :0

From: 108 To: 115 flow: 8 Cost :0

From: 109 To: 115 flow: 5 Cost :0

From: 111 To: 117 flow: 10 Cost :0

From: 111 To: 118 flow: 8 Cost :0

From: 112 To: 118 flow: 0 Cost :0

From: 112 To: 119 flow: 5 Cost :0

From: 112 To: 120 flow: 5 Cost :0

From: 113 To: 120 flow: 8 Cost :0

From: 114 To: 120 flow: 5 Cost :0

From: 116 To: 122 flow: 10 Cost :0

From: 116 To: 123 flow: 8 Cost :0

From: 117 To: 123 flow: 0 Cost :0

From: 117 To: 124 flow: 5 Cost :0

From: 117 To: 125 flow: 5 Cost :0

From: 118 To: 125 flow: 8 Cost :0

From: 119 To: 125 flow: 5 Cost :0

From: 121 To: 127 flow: 10 Cost :0

From: 121 To: 128 flow: 8 Cost :0

From: 122 To: 128 flow: 0 Cost :0

From: 122 To: 129 flow: 5 Cost :0

From: 122 To: 130 flow: 5 Cost :0

From: 123 To: 130 flow: 8 Cost :0

From: 124 To: 130 flow: 5 Cost :0

From: 126 To: 132 flow: 10 Cost :0

From: 126 To: 133 flow: 8 Cost :0

From: 127 To: 133 flow: 0 Cost :0

From: 127 To: 134 flow: 5 Cost :0

From: 127 To: 135 flow: 5 Cost :0

From: 128 To: 135 flow: 8 Cost :0

From: 129 To: 135 flow: 5 Cost :0

From: 131 To: 137 flow: 10 Cost :0

From: 131 To: 138 flow: 8 Cost :0

From: 132 To: 138 flow: 0 Cost :0

From: 132 To: 139 flow: 5 Cost :0

From: 132 To: 140 flow: 5 Cost :0

From: 133 To: 140 flow: 8 Cost :0

From: 134 To: 140 flow: 5 Cost :0

From: 136 To: 142 flow: 5 Cost :0

From: 136 To: 143 flow: 8 Cost :0

From: 137 To: 143 flow: 0 Cost :0

From: 137 To: 144 flow: 5 Cost :0

From: 137 To: 145 flow: 5 Cost :0

From: 138 To: 145 flow: 8 Cost :0

From: 139 To: 145 flow: 5 Cost :0

From: 141 To: 147 flow: 4 Cost :0

From: 141 To: 148 flow: 0 Cost :0

From: 142 To: 148 flow: 0 Cost :0

From: 142 To: 149 flow: 0 Cost :0

From: 142 To: 150 flow: 5 Cost :0

From: 143 To: 150 flow: 8 Cost :0

From: 144 To: 150 flow: 5 Cost :0

From: 146 To: 152 flow: 0 Cost :0

From: 146 To: 153 flow: 0 Cost :0

From: 147 To: 153 flow: 0 Cost :0

From: 147 To: 154 flow: 0 Cost :0

From: 147 To: 155 flow: 4 Cost :0

From: 148 To: 155 flow: 0 Cost :0

From: 149 To: 155 flow: 0 Cost :0

From: 151 To: 157 flow: 0 Cost :0

From: 151 To: 158 flow: 0 Cost :0

From: 152 To: 158 flow: 0 Cost :0

From: 152 To: 159 flow: 0 Cost :0

From: 152 To: 160 flow: 0 Cost :0

From: 153 To: 160 flow: 0 Cost :0

From: 154 To: 160 flow: 0 Cost :0

From: 156 To: 162 flow: 0 Cost :0

From: 156 To: 163 flow: 0 Cost :0

From: 157 To: 163 flow: 0 Cost :0

From: 157 To: 164 flow: 0 Cost :0

From: 157 To: 165 flow: 0 Cost :0

From: 158 To: 165 flow: 0 Cost :0

From: 159 To: 165 flow: 0 Cost :0

From: 0 To: 1 flow: 18 Cost :0

From: 0 To: 6 flow: 18 Cost :0

From: 0 To: 11 flow: 18 Cost :0

From: 0 To: 16 flow: 18 Cost :0

From: 0 To: 21 flow: 18 Cost :0

From: 0 To: 26 flow: 18 Cost :0

From: 0 To: 31 flow: 18 Cost :0

From: 0 To: 36 flow: 18 Cost :0

From: 0 To: 41 flow: 18 Cost :0

From: 0 To: 46 flow: 18 Cost :0

From: 0 To: 51 flow: 18 Cost :0

From: 0 To: 56 flow: 18 Cost :0

From: 0 To: 61 flow: 18 Cost :0

From: 0 To: 66 flow: 18 Cost :0

From: 0 To: 71 flow: 18 Cost :0

From: 0 To: 76 flow: 18 Cost :0

From: 0 To: 81 flow: 15 Cost :0

From: 0 To: 86 flow: 18 Cost :0

From: 0 To: 91 flow: 18 Cost :0

From: 0 To: 96 flow: 18 Cost :0

From: 0 To: 101 flow: 18 Cost :0

From: 0 To: 106 flow: 18 Cost :0

From: 0 To: 111 flow: 18 Cost :0

From: 0 To: 116 flow: 18 Cost :0

From: 0 To: 121 flow: 18 Cost :0

From: 0 To: 126 flow: 18 Cost :0

From: 0 To: 131 flow: 18 Cost :0

From: 0 To: 136 flow: 13 Cost :0

From: 0 To: 141 flow: 4 Cost :0

From: 0 To: 146 flow: 0 Cost :0

From: 0 To: 151 flow: 0 Cost :0

From: 0 To: 156 flow: 0 Cost :0

From: 0 To: 161 flow: 0 Cost :0

From: 0 To: 166 flow: 0 Cost :0

From: 0 To: 171 flow: 0 Cost :0

From: 0 To: 176 flow: 0 Cost :0

From: 0 To: 181 flow: 0 Cost :0

From: 0 To: 186 flow: 0 Cost :0

From: 0 To: 191 flow: 0 Cost :0

From: 0 To: 196 flow: 0 Cost :0

From: 5 To: 201 flow: 0 Cost :5

From: 10 To: 201 flow: 0 Cost :10

From: 15 To: 201 flow: 0 Cost :20

From: 20 To: 201 flow: 8 Cost :40

From: 25 To: 201 flow: 18 Cost :80

From: 30 To: 201 flow: 18 Cost :160

From: 35 To: 201 flow: 18 Cost :320

From: 40 To: 201 flow: 18 Cost :640

From: 45 To: 201 flow: 18 Cost :1280

From: 50 To: 201 flow: 18 Cost :2560

From: 55 To: 201 flow: 18 Cost :5120

From: 60 To: 201 flow: 18 Cost :10240

From: 65 To: 201 flow: 18 Cost :20480

From: 70 To: 201 flow: 18 Cost :40960

From: 75 To: 201 flow: 18 Cost :81920

From: 80 To: 201 flow: 18 Cost :163840

From: 85 To: 201 flow: 18 Cost :327680

From: 90 To: 201 flow: 31 Cost :327680

From: 95 To: 201 flow: 18 Cost :327680

From: 100 To: 201 flow: 25 Cost :327680

From: 105 To: 201 flow: 18 Cost :327680

From: 110 To: 201 flow: 18 Cost :327680

From: 115 To: 201 flow: 18 Cost :327680

From: 120 To: 201 flow: 18 Cost :327680

From: 125 To: 201 flow: 18 Cost :327680

From: 130 To: 201 flow: 18 Cost :327680

From: 135 To: 201 flow: 18 Cost :327680

From: 140 To: 201 flow: 18 Cost :327680

From: 145 To: 201 flow: 18 Cost :327680

From: 150 To: 201 flow: 18 Cost :327680

From: 155 To: 201 flow: 4 Cost :327680

From: 160 To: 201 flow: 0 Cost :327680

From: 165 To: 201 flow: 0 Cost :327680

From: 170 To: 201 flow: 0 Cost :327680

From: 175 To: 201 flow: 0 Cost :327680

From: 180 To: 201 flow: 0 Cost :327680

From: 185 To: 201 flow: 0 Cost :327680

From: 190 To: 201 flow: 0 Cost :327680

From: 195 To: 201 flow: 0 Cost :327680

From: 200 To: 201 flow: 0 Cost :327680

n: 202 m: 304 Time taken: 39.53s