Start city: 1

Closest City: 12

Closest City: 2

Closest City: 5

Closest City: 9

Closest City: 11

Closest City: 10

Closest City: 4

Closest City: 6

Closest City: 8

Closest City: 7

Closest City: 3

Path: [12, 2, 5, 9, 11, 10, 4, 6, 8, 7, 3]

Cost: 3080

Operation has been running for: 456941 nanoseconds.

Start city: 1

Closest City: 12

Closest City: 2

Closest City: 5

Closest City: 9

Closest City: 11

Closest City: 10

Closest City: 4

Closest City: 6

Closest City: 8

Closest City: 7

Closest City: 13

Closest City: 3

Path: [12, 2, 5, 9, 11, 10, 4, 6, 8, 7, 13, 3]

Cost: 3426

Operation has been running for: 940076 nanoseconds.

Start city: 1

Closest City: 14

Closest City: 2

Closest City: 12

Closest City: 7

Closest City: 8

Closest City: 11

Closest City: 10

Closest City: 4

Closest City: 6

Closest City: 5

Closest City: 9

Closest City: 3

Closest City: 13

Path: [14, 2, 12, 7, 8, 11, 10, 4, 6, 5, 9, 3, 13]

Cost: 4126

Operation has been running for: 2974484 nanoseconds.

Start city: 1

Closest City: 14

Closest City: 15

Closest City: 13

Closest City: 5

Closest City: 9

Closest City: 11

Closest City: 10

Closest City: 4

Closest City: 6

Closest City: 2

Closest City: 12

Closest City: 7

Closest City: 8

Closest City: 3

Path: [14, 15, 13, 5, 9, 11, 10, 4, 6, 2, 12, 7, 8, 3]

Cost: 3406

Operation has been running for: 4385181 nanoseconds.

Start city: 1

Closest City: 10

Closest City: 4

Closest City: 15

Closest City: 14

Closest City: 11

Closest City: 16

Closest City: 13

Closest City: 2

Closest City: 5

Closest City: 9

Closest City: 6

Closest City: 12

Closest City: 8

Closest City: 7

Closest City: 3

Path: [10, 4, 15, 14, 11, 16, 13, 2, 5, 9, 6, 12, 8, 7, 3]

Cost: 4518

Operation has been running for: 4936421 nanoseconds.

Start city: 1

Closest City: 10

Closest City: 4

Closest City: 15

Closest City: 19

Closest City: 16

Closest City: 13

Closest City: 2

Closest City: 5

Closest City: 9

Closest City: 6

Closest City: 12

Closest City: 8

Closest City: 7

Closest City: 11

Closest City: 14

Closest City: 18

Closest City: 17

Closest City: 3

Path: [10, 4, 15, 19, 16, 13, 2, 5, 9, 6, 12, 8, 7, 11, 14, 18, 17, 3]

Cost: 5674

Operation has been running for: 5857871 nanoseconds.

Start city: 1

Closest City: 21

Closest City: 2

Closest City: 20

Closest City: 10

Closest City: 4

Closest City: 15

Closest City: 19

Closest City: 25

Closest City: 7

Closest City: 23

Closest City: 27

Closest City: 24

Closest City: 8

Closest City: 28

Closest City: 6

Closest City: 12

Closest City: 9

Closest City: 5

Closest City: 26

Closest City: 29

Closest City: 3

Closest City: 13

Closest City: 16

Closest City: 11

Closest City: 22

Closest City: 14

Closest City: 18

Closest City: 17

Path: [21, 2, 20, 10, 4, 15, 19, 25, 7, 23, 27, 24, 8, 28, 6, 12, 9, 5, 26, 29, 3, 13, 16, 11, 22, 14, 18, 17]

Cost: 12011

Operation has been running for: 9319565 nanoseconds.