

Worst case scenario for 16 cities and 15 roads is:

1 2

3 4

5 6

7 8

9 10

11 12

13 14

15 16

2 3

4 5

6 7

8 9

10 11

12 13

14 15

This is the worst case scenario as everytime the outer loop runs , the inner loop has to complete itself and this makes the loop run max number of times hence creating max time complexity