/\*CSC 172

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\* Lab time: MW 615-730

\* Lab number: Lab16Graphics02

\*/

dhcp-10-4-3-140:src maxing$ java Test

\*\*\*Graph1.txt\*\*\*

1: 2 4

2: 4 5

3: 1 6

4: 3 5 6 7

5: 7

6:

7: 6

1 to 4 to 7

Runtime: 49

5 to 7 to 6

Runtime: 49

\*\*\*Graph2.txt\*\*\*

1:

2: 1

3: 2

4: 3

5: 4

6: 5

7: 6

8: 7

9: 8

4 to 3 to 2 to 1

Runtime: 81

8 to 7 to 6 to 5 to 4 to 3 to 2 to 1

Runtime: 81

\*\*\*Graph3.txt\*\*\*

1: 2 5

2: 1 3 4

3: 2 5

4: 2

5: 1 3

2 to 1 to 5

Runtime: 25

5 to 1 to 2 to 4

Runtime: 25

\*\*\*Graph4.txt\*\*\*

1: 2 5

2: 1 3

3: 2 4 6

4: 3 7

5: 1 6 10

6: 3 5 9 10

7: 4 8 11

8: 7

9: 6 10

10: 5 6 9

11: 7

8 to 7 to 4 to 3 to 6 to 10

Runtime: 121

6 to 3 to 4 to 7 to 11

Runtime: 121

\*\*\*Graph5.txt\*\*\*

1: 2 5

2: 3

3: 4 6

4: 7

5: 1 6 10

6: 3 9 10

7: 4 8 11

8: 5 7

9: 6 10

10:

11: 6 7

8 to 5 to 6 to 9

Runtime: 121

6 to 3 to 4 to 7 to 8 to 5 to 1 to 2

Runtime: 121

\*\*\*Graph6.txt\*\*\*

Undirected graph with 100 vertices (randomly generated edges and starting points):

3 to 81 to 55 to 34 to 74 to 6 to 73 to 9

Runtime: 10000

36 to 44 to 78 to 26 to 67 to 57 to 15 to 62

Runtime: 10000

dhcp-10-4-3-140:src maxing$