COP 3503 Honors – Homework 8 (Non-Collaborative)

Due Date: December, 1, 2014

1. Implement the Edmonds-Karp algorithm to find maximum flow in a flow network. Note you will also need to implement breadth first search. Test your algorithm on several different flow graphs. You can use examples generated from the Java applets we have used in class. You should test your algorithms on at least 10 different flow graphs of varying complexity. Make sure you submit your code and output.

Extra Credit:

Cormen at al., page 731, Exercise 26.2-9