CS1713 – ALGORITHM DESIGN AND ANALYSIS

Practical Assignment Information Sheet

Student Name: Ashley Wonders

Assignment #: Assign 6 Graph Program

Due Date: 12/9/2019

Handed In Date: 12/6/2019

Language used: Java

Platform Used (name IDE): N/A (Notepad++)

Source Files uploaded: MyGraph.java, GraphTest.java

Executables uploaded: MyGraph.class, GraphTest.class

Other file: CS1713PracAssign6InfoSheet

Does program compile and execute without errors? (Y/N) Y

If not, explain any errors N/A

Is program complete? (Y/N) Y

If not, explain incompletions N/A

Other Comments: I tried to figure out some other (nicer) way to print out the last graph’s loop component but seemed stuck. I thought about trying to make a method (to call in both BFS and DFS) to check if a component has just one unvisited neighbor that happens to be itself (because if it has more than one unvisited neighbor it’s a normal component; likewise, we can’t just check that it has an edge to itself because it may connect to other vertexes as well – incorrectly writing this check would then cause one to skip over a possible tree because the root happens to loop to itself). Honestly, I couldn’t figure out how to do it right, so I’m just putting in the clean version.