- 1.) The graph is an edge list.
- 2.) Graphs 1, 2, 4, 5 are connected because all the edges are reachable in those graphs
- 3.) The output would not change if we ran the search in the other directions because the edges would still be reachable. I don't believe the output would change either if the graphs were weighted.
- 4.) A depth first search can be quicker if the path it chooses is right one, how ever it can end up going do an infinite path. Overall it is a slower search. The breadth first search will always find the answer and can be quicker, but it tends to use more memory.
- 5.) The big O execution time is O(v+e)