

Problem 2

My testing strategy was to start out with the specifications and test a general case, along with any corner cases that I thought of for the method. In many cases, this involved initializing the graph with a set of nodes and then trying to add duplicates and checking that graph had not changed. In terms of testing heuristics, I implemented black box testing when I was dealing with If statements. I implemented a test, sometimes in one testing block and other times across multiple blocks that checked each if statement so that as much of the code would be run as possible. I also tried to implement my tests with a range of values to try and get a sense of its response on large values, small values and "regular" values.