Quiz 6

It's important to note that loctween the 2 algorithms, Prim's & Kruskal's, Prim's will login to outperform Kruskal's as the number of edges loegins to significantly outnumber the number of vertices, so as the graph becomes significantly more dense w/ more edges than vertices, Phim's algorithm will the fastest. As the graph becomes more sporse, Kruskal's algorithm will actually take the advantage because it uses a simpler data structure when implemented optimally, Kruskal's will keep track of the forest during the algorithm by only storing vertices w/ their pair, Libereas Prim's stores a vertex-edge to keep track. Here's on example where the 2 algorithms produce different graphs: Kruskal's Both are valid but the difference came about when Kruskol's would choose A - 3 D after c -3 was formed while Prim's after

This is because Kruskal's can form a forest/Prim's must always be connected