

Ethan Lefert  
Lab 12 Graphs

1 a:  $T_w(n,m) = O(m \log m) + O(m \cdot \infty(m,n))$

b:  $T_w(n,m) = O(m \lg m)$

2: A simple graph that both Kruskal's and Prim's fails is a disconnected graph, where you have two parts that are not connected. My output should be no solution for that kind of graph. Therefore it should fail to generate an MST.