## CPSC 320: Tutorial 7

1. Consider the problem of determining if a bit string of length $n$ contains two consecutive 0 's. For what integers $n$ must any algorithm that solves this problem examine every bit of a (worst case) bit string of length $n$ ? Why?
2. Run Kruskal's algorithm on the following graph. Show the forest of trees in the disjoint set structure at every step.

