Assignment No.4

Suppose you are given a diagram of a telephone network in the form of a weighted digraph G. The vertexes of the graph represent switching centers, and the edges represent communication lines between centers. The weight on an edge represents the bandwidth of the communication line. The bandwidth of a path is the bandwidth of its lowest bandwidth edge. Give an algorithm that, given a diagram and two switching centers a and b, will output the maximum bandwidth of a path between a and b.