Consider the weighted graph G = (V, E), where V is the set of stations and E is the set of channels between the stations. Define the weight w(e) of an edge $e \in E$ as the bandwidth of the corresponding channel.

Given below are two ways of solving the problem:

- 1. At every step of the greedy algorithm for constructing the minimum spanning tree, instead of picking the edge having the least weight, pick the edge having the greatest weight.
- 2. Negate all the edge-weights. Run the usual minimum spanning tree algorithm on this graph. The algorithm gives us the desired solution.