

Topological sort O(V+E)

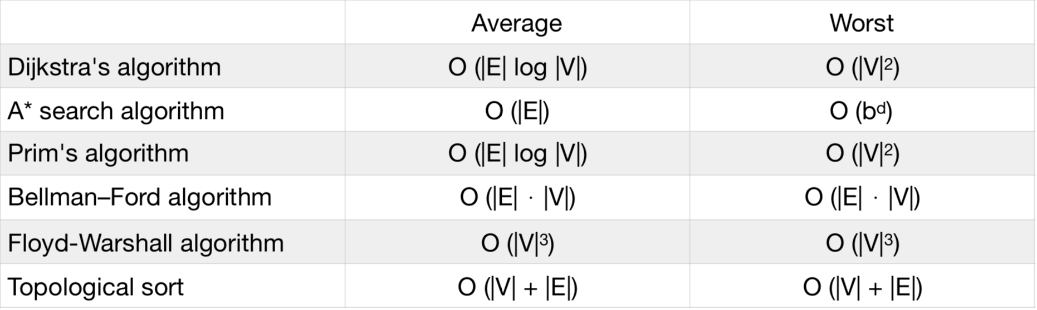
MST can only be built for undirected graph connected graph

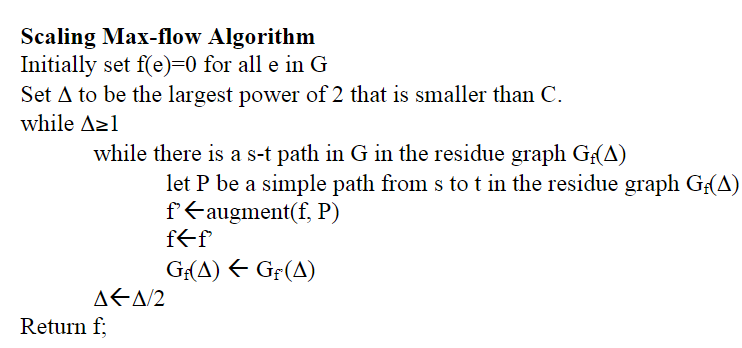
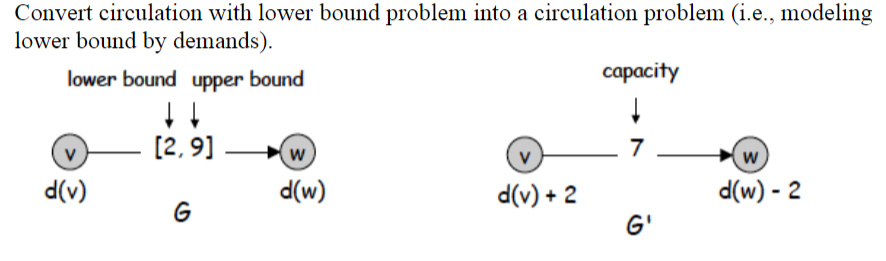
Kruskal : O(E\*logV)

Prim: Binary-> O(E lg V) Fibonacci -> O(E + V lg V)

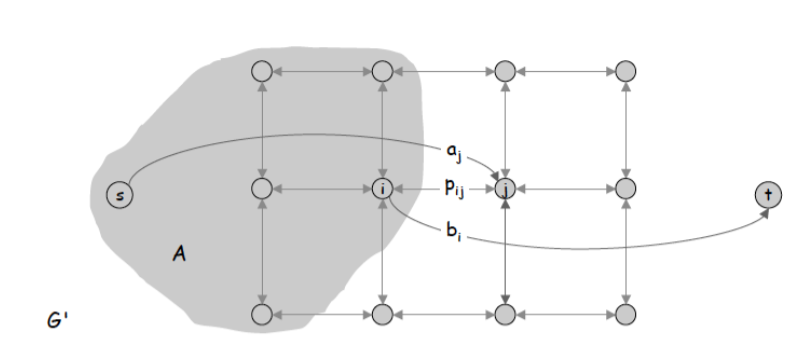
Dijkstra : O((V+E)logV) , works for directed and undirected graph with +ve edges

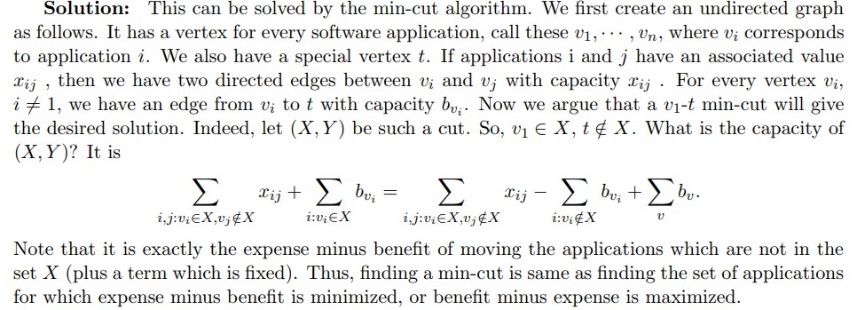
Edmumnd karpall: O(VE^2); FordFul – O(E\*flow)

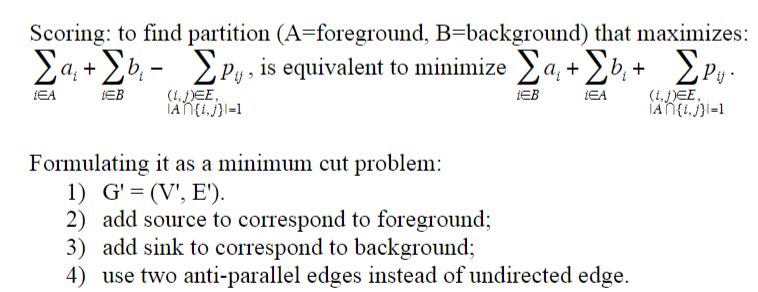


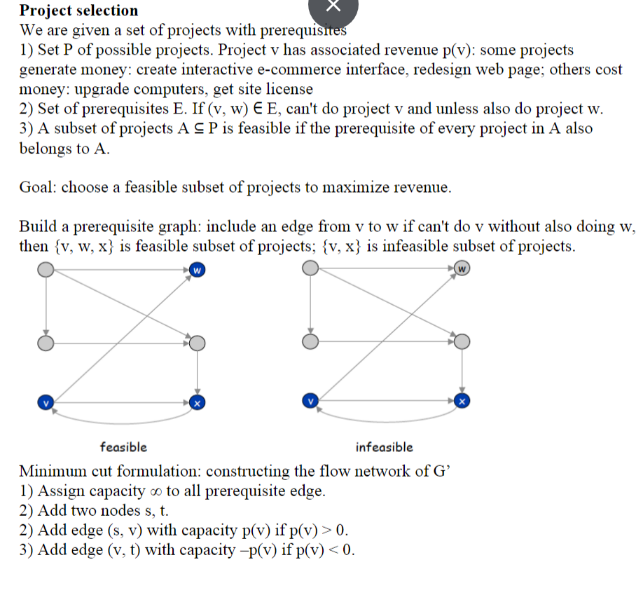
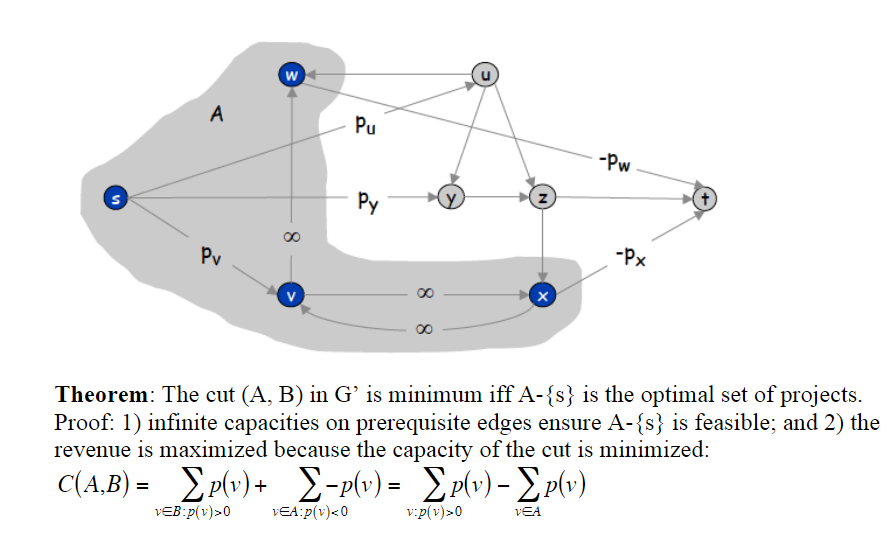
 Demand is denoted by +ve and supply is by -ve

Image







Project