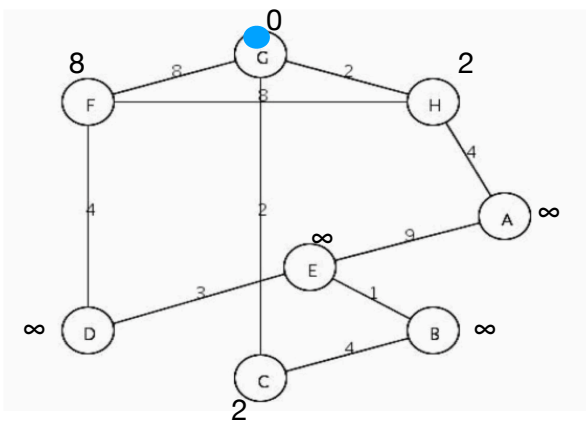
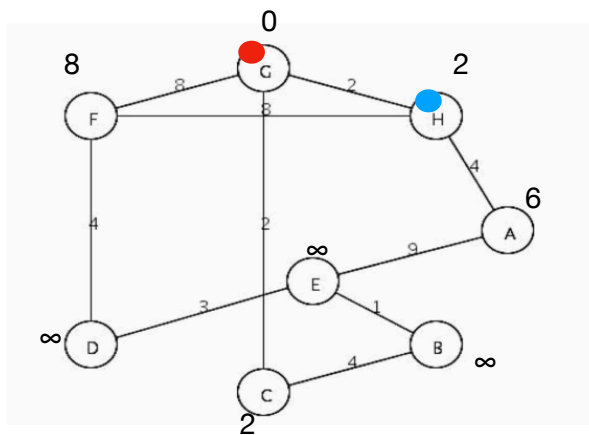


1) Dijkstra's weighted shortest path

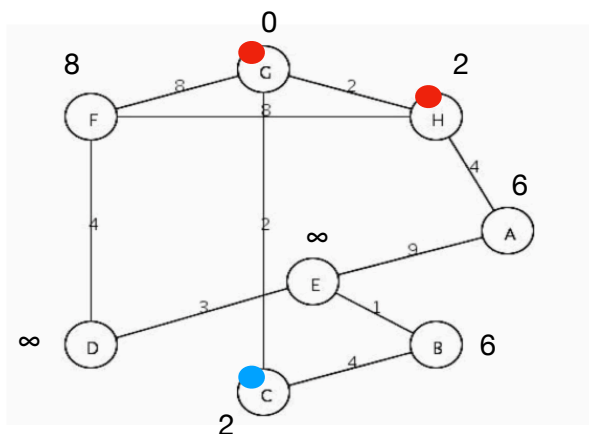
-> Blue dot means current node and red dot means operated nodes



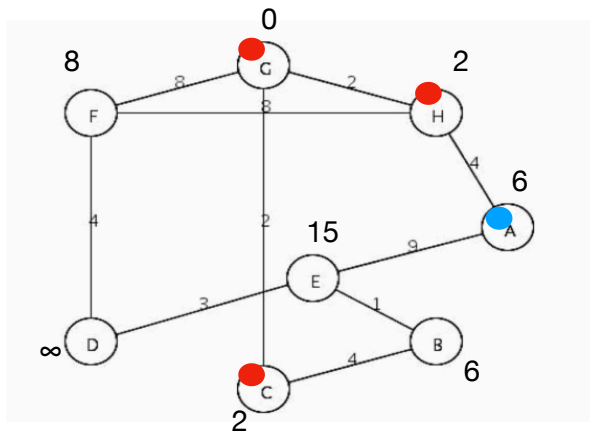
After G, I choose H because it has the least distance



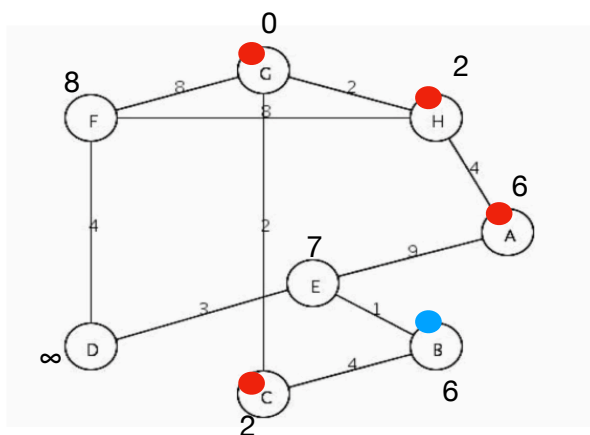
After H, I choose C because it has the least distance



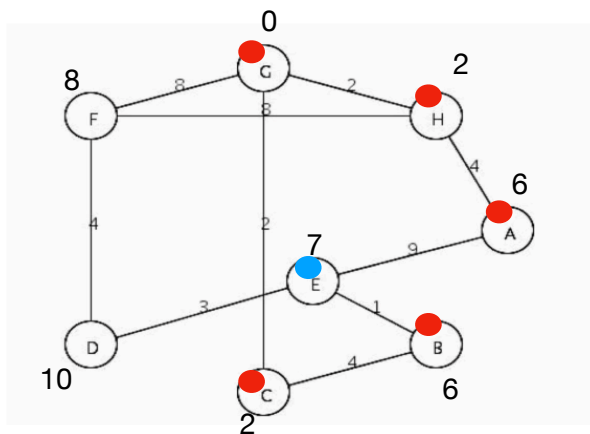
After C, I choose A because it has the least distance



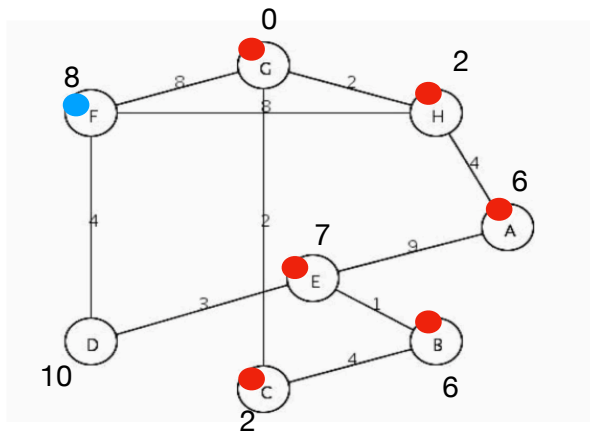
After A, I choose B because it has the least distance and updated E



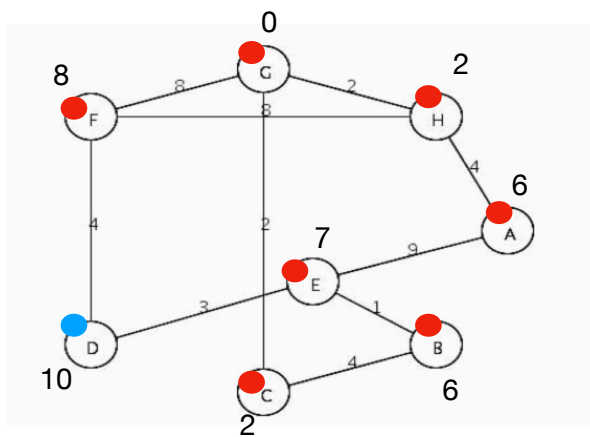
After B, I choose E because it has the least distance



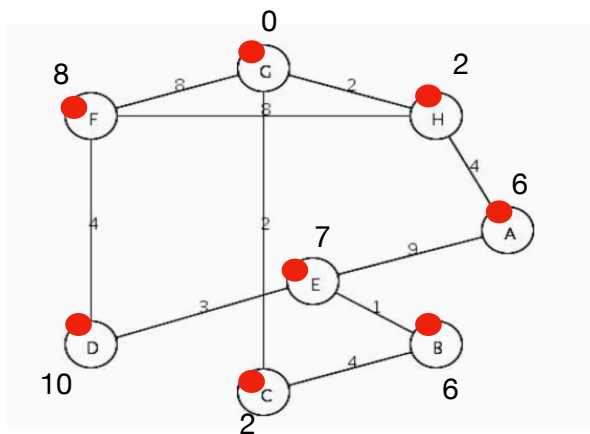
After E, I choose F because it has the least distance



After F, I choose D because it has the least distance

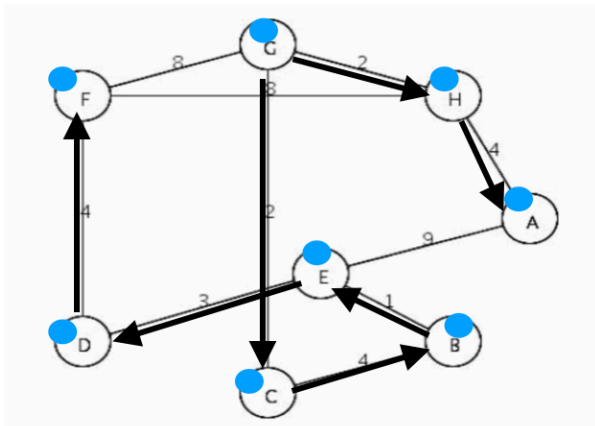


Then it's done!



## 2) Prim's minimum spanning tree

-> Start from G then move to H because it has the least weight. Then look move A because of same reason. As we go on the order is = G-H-A-C-B-E-D-F



## 3) Kruskal's minimum spanning tree

-> Start from smallest and choose next smallest which don't makes the tree circular so order is like = E-B , G-H , C-G , E-D, H-A , C-B, F-D

