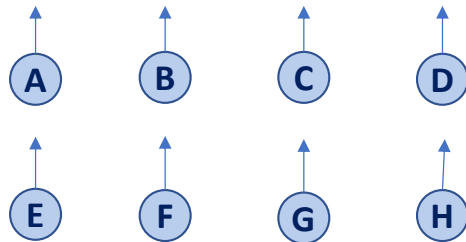
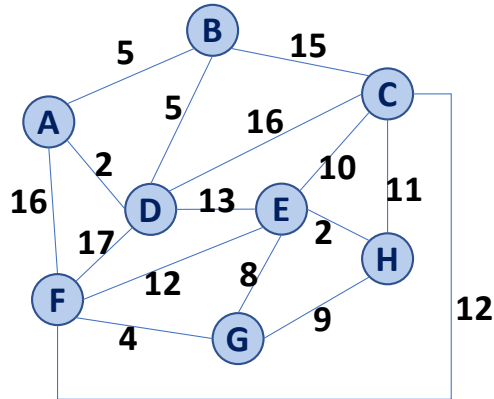


Kruskal's Algorithm

(A, D)
(E, H)
(F, G)
(A, B)
(B, D)
(G, E)
(G, H)
(E, C)
(C, H)
(E, F)
(F, C)
(D, E)
(B, C)
(C, D)
(A, F)
(D, F)



```

1  KruskalMST(G) :
2      DisjointSets forest
3      foreach (Vertex v : G) :
4          forest.makeSet(v)
5
6      PriorityQueue Q      // min edge weight
7      foreach (Edge e : G) :
8          Q.insert(e)
9
10     Graph T = (V, {})
11
12     while |T.edges()| < n-1:
13         Vertex (u, v) = Q.removeMin()
14         if forest.find(u) != forest.find(v) :
15             T.addEdge(u, v)
16             forest.union( forest.find(u) ,
17                           forest.find(v) )
18
19     return T
    
```