

# Kruskal's Algorithm

Priority Queue:	Heap	Sorted Array
<b>Building</b> :7-9		
<b>Each removeMin</b> :13		

```
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
```