## Kruskal's Algorithm

```
KRUSKAL(G, w)
A = \emptyset
for each vertex v \in G.V
MAKE-SET(v)
sort the edges of G.E into nondecreasing order by weight w
for each (u, v) taken from the sorted list
if FIND-SET(u) \neq FIND-SET(v)
A = A \cup \{(u, v)\}
UNION(u, v)
```