

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)

return A