MST Kruskal’s Algorithm

MST-KRUSKAL(G,v):

A = φ
for v ∈ V:
    MAKE-SET(v)
Sort the Edges, E in the increasing order of weight.
for each edge (u,v) ∈ E
    if FIND-SET(u) ≠ FIND-SET(v):
        A = A ∪ {(u,v)}
        UNION(u,v)

return A