

MST Kruskal's Algorithm

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MST-KRUSKAL( $G, v$ ):  
   $A = \phi$   
  for  $v \in V$ :  
    MAKE-SET( $v$ )  
  Sort the Edges,  $E$  in the increasing order of weight.  
  for each edge  $(u, v) \in E$   
    if FIND-SET( $u$ )  $\neq$  FIND-SET( $v$ ):  
       $A = A \cup \{(u, v)\}$   
      UNION( $u, v$ )  
return  $A$ 
```