Inorder - A - C / 5 \* 2 + D \* 5 % 4

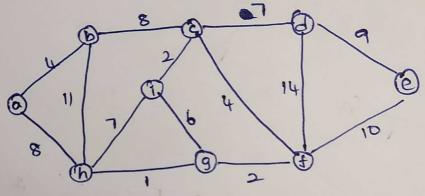
PreOrder - +-A\*/C52%\* D54

PostOrder - AC5/2\*-D5\*4%+

2.) kruskal's Algorithm:

No of edges = No of - 1

(MST) vertices

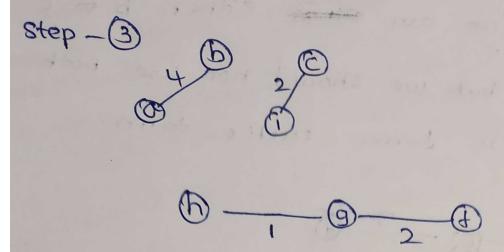


Step - 1

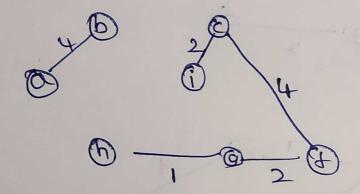
B - 9

step - 0

2/0



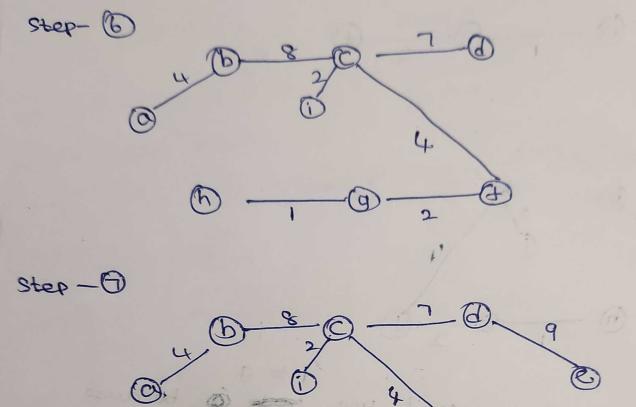
Step - 1



In next step we can't use it because it will dorm a cyclic form

In next step we can't use i to h, because it will form a cyclic form but we can use can but we can use c to d.

In next step we can we either b to co or a to h. but we should not use both because it will down cyclic down.



This is a final output. where

no of edges = vertices - 1 and All nodes are visited and linked.

Total weight of spanning tree

= (a to b) + (b to c) + (c to i) + (c to t) + (c to d)

(d to e) + (h to g) + (g to t)

= 4 + 8 + 2 + 4 + 7 + 9 + 1 + 2

Total weight = 37