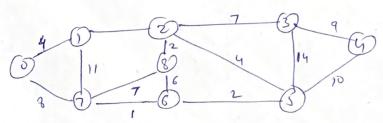
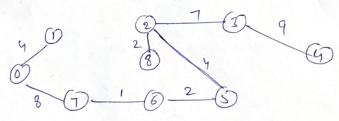
## Kruskal's algorithum



Ananging tru edges in enceasing order of their weights,

Minimum spanning tree:



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

= 37 units

no. of vertices = 9(n)

in no. of edges in the minimum spaning true

= n-1

= 9-1-0

Edges 68 and 78 are not included, since they four a cycle.