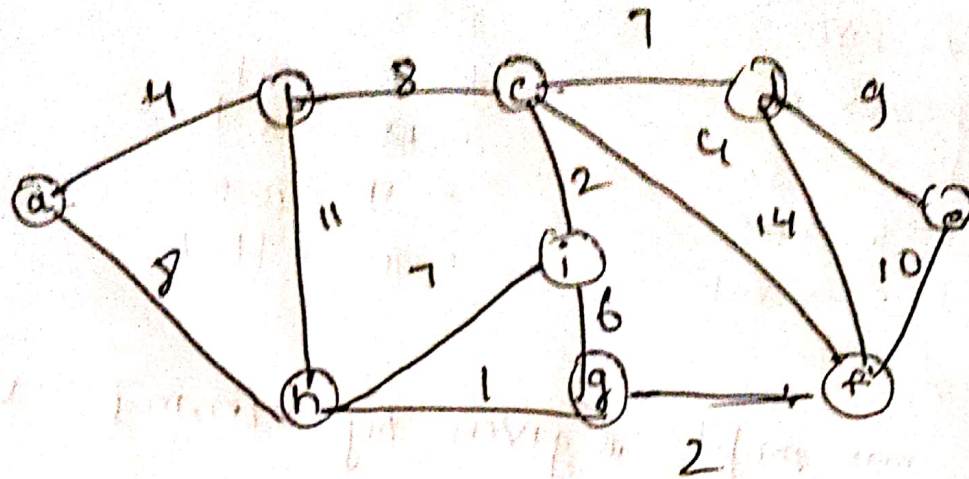


Kruskal's algorithm

18N18CS027
Dhanraj.K.

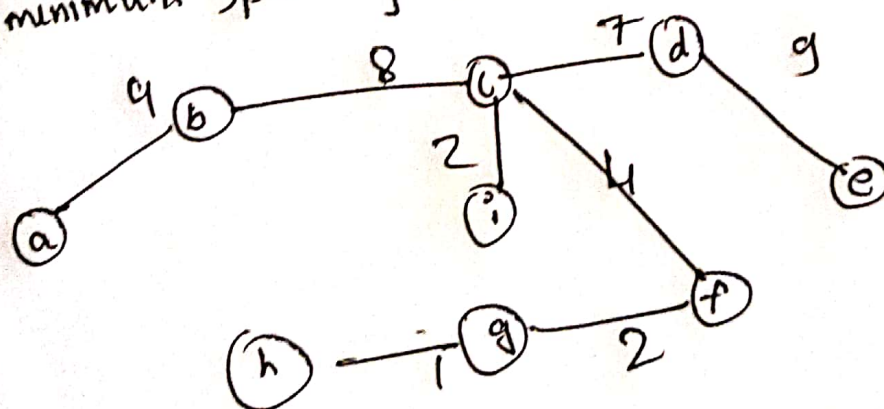
Problem:



Ans:- arrange edges in increasing order of their weights

Edges	gh	ci	fg	ab	ct	gi	cd	hi	bc	ah	de	ef	dh	aj
weights	1	2	2	4	4	6	7	7	8	8	9	10	11	14
selected	✓	✓	✓	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗

minimum spanning tree.



$$\text{Min span cost} = 1 + 2 + 2 + 4 + 4 + 7 + 7 = 31 \text{ units}$$