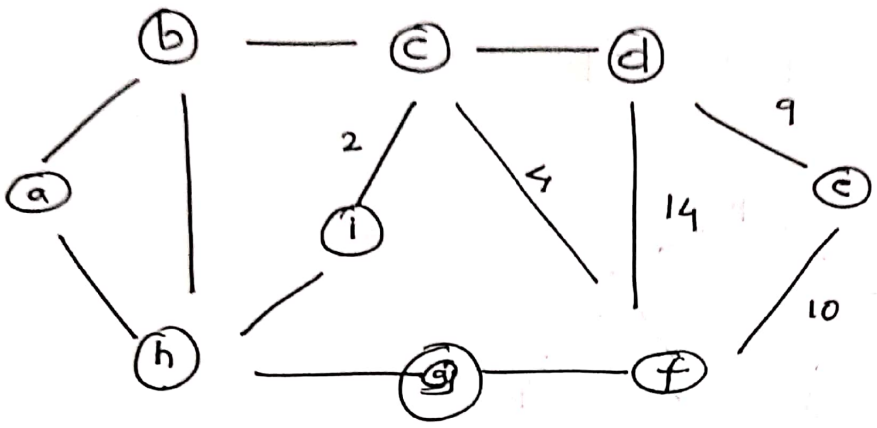
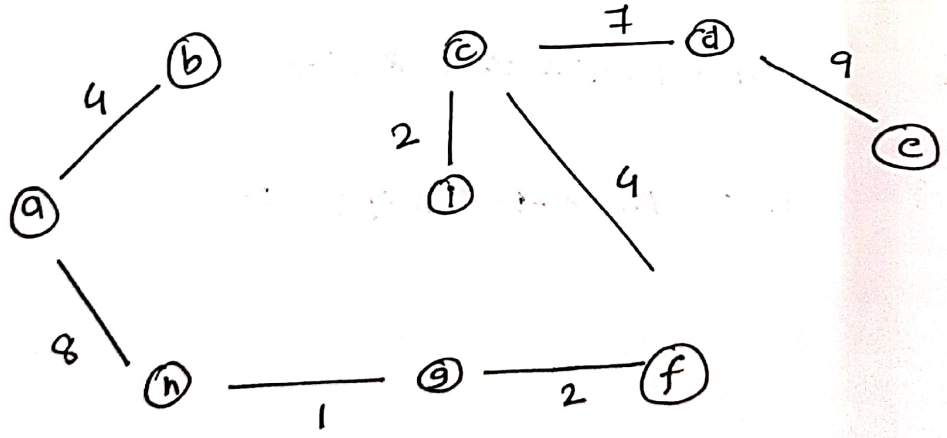
2.



hg	gf	ci	ab	cf	ig	hi	cd	ah	bc	de	ef	bh	df
1	2	2	4	4	6	7	7	8	8	9	10	11	14

9 – vertices
14 → edges.

minimum Spanning tree is (9-1) = 8 edges



4 + 5 + 10 = 19 //