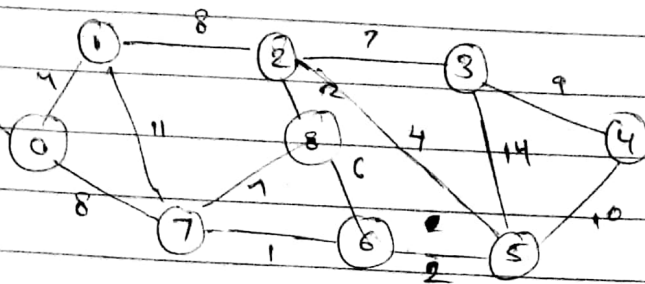


Date ____ / ____ / ____

Assignment Kruskal's Algo

(Saathi)



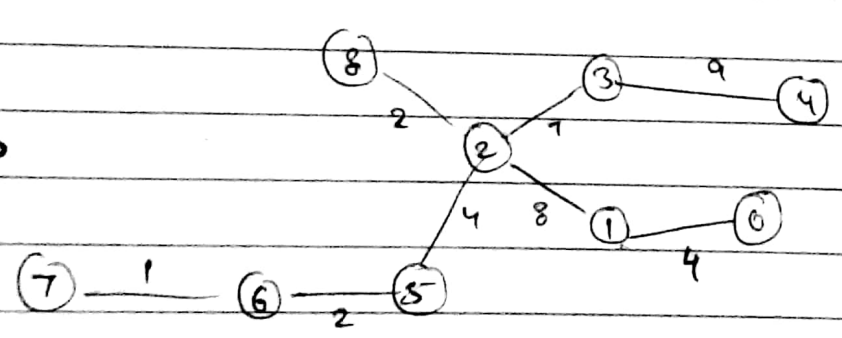
Step I Listing All the edges in ascending order

Vertices	6-7	5-6	2-8	2-5	0-1	6-8	2-3	8-7	1-2	0-7
Weight (Edges)	1	2	2	4	4	6	7	7	8	8
	3-4	4-5	1-7	3-5						
	9	10	11	14						

Step II Select the edges such that no cycles are formed and $9-1 = 8$ edges are selected (\because Total vertices = 9)

Selected	6-7	5-6	2-8	2-5	0-1	2-3	1-2	3-4
Rejected	6-8	8-7	1-2	0-7	4-5	1-7	3-5	

Graph :-
MST \rightarrow



Minimum Weight : $1 + 2 + 2 + 4 + 4 + 7 + 8 + 9 = 37$