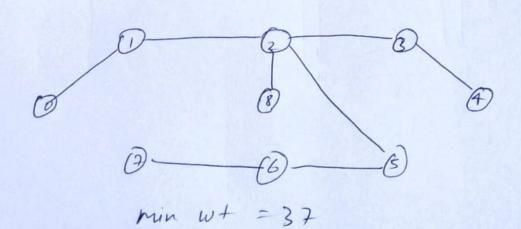
It is spanning tree which has rinimum total cost
It use have a linked undirected graph with a weight
Courtine with each edge their the cost of spanning
tree would be the sum of the cost of its edge
including comput

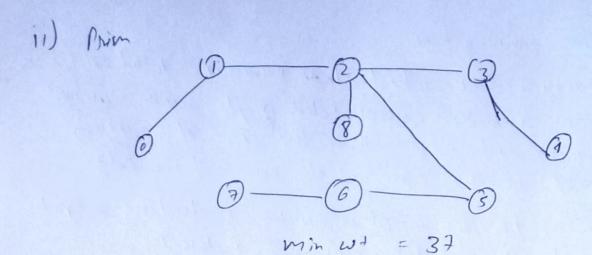
Application -> in design of networks including computer networks, telecommunication networks,

0,2	Prim	Dijlevla	Bellmann ford
7 ime complex	O((V+E) log v)	O(Elgv)	O(VE)
Space	DCV+E.)	0(2)	O(N)

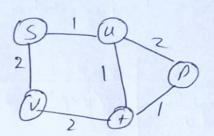
93 4 0 8 2 3 9 0 8 7 6 10 10 2 3 10

i) Krush 1 [1,2,2,4,4,6,7,7,8,8,9,10,11,14]





1 What should path S-> V -> +



- a) if we increase every edge by 10 wit their culso shorted path is same
- 15) if we wrultiplied every edge by 10 with the also shortest path is some.

node	distance po- s
u	8
V	9
X	. 5
4	7