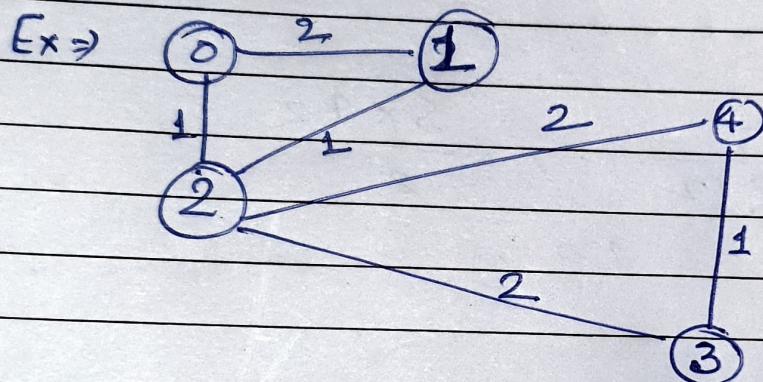


Prims - Algo :-

$T.C \Rightarrow E \log E$

while loop runs for E times

Requirements / D.S used  $\Rightarrow$  Pr. Q.,  
visited array



initially sum = 0  
vis is marked  
0 (denoting  
unvisited initially)

sum = 0

MST  $\rightarrow [(0, 2), (1, 2), (2, 3), (3, 4)]$

vis[]  $\Rightarrow$ 

0	1	2	3	4
0	0	0	0	0

~~eat~~  $\Rightarrow$  { mark visited at the node only if  
when it is being popped out not at  
time of pushing }

{ any neigh is pushed iff it is not visited }

{ if node popped is already visited don't  
do anything for this bcz its part of  
MST already }

(2, 2, 3)

~~(1, 4, 3)~~ 6

~~(2, 3, 2)~~ 5

(2, 4, 2)

~~(1, 1, 2)~~ 3

(1, 2, 0) 2

~~(2, 1, 0)~~ 4

(0, 0, -1) 1

(wt, node, par)  
(min heap)