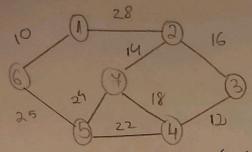


MORE PRIM



Start from vertex $1 > \frac{(1,2) \cdot 28}{(1,6) : 10}$

Vertex 6: (65):25 V

Vertex 5: (5,7): 24 V

(54): 22~

Vertex 4: (4,3):12

(4,7):18

Vertex 3: (3,2):16 V

Vertex 2: (2,7):14 V

 $(211).28 \times$

Start from vertex 1

PG: (32),(2,3),(4,4)

dist: 2>3,3>2,4>4

prev: 2:1, 3:1,4:1 ; vertices: 1; edger:

X=3 -> not in vertices

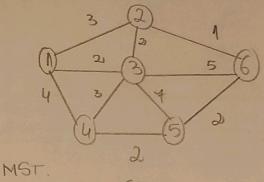
edges: (1,3); vertices: 1,3

 $y=2 \times y=4 \times$ $y=1 \times y=5$

25 5 22

MST of cost

10+25+22+12+16+14=99



 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}$

-Vertex 1:

PB: ((1,3),2), (1,2),3), (4,4),4)

Vertex 3:

PQ: ((3,2),2), ((1,2),3), ((34),3), ((14),4),

(86),5), (3,5)7)

Vertex 2: PQ: (2,6,1), ((1,2),3), ((3,4),3), ((1,4),4), ((3,6),5), ((3,5),7)

Vertex 6: PQ ((6,5),2), ((1,2),3), ((3,4),3), ((1,4),4), (3,6),5), ((3,5),7)

Vertex 5: PQ: ((1,5),2), ((1,21,3).