NAME - AYUSH RAJ LINIVERUTY FOIL NO :- 2017317

CLASS ROLL NO :- 20

SECTION: - CE

LUIGNMENT:-06

AW12 MINIMUM SPANNING TREE: It is a subset of the edges of a connected edge-coeighted undirected graph that connects all the vortices together, without any cyclis and wish The minimum possible total edge useight.

Application: · Consider in stations are to be linked using a communication retwork and bying of communication link b/w any 2 stations involves a cost; sower use MST for a better output.

· come gous with vooderays & highways & airlines.

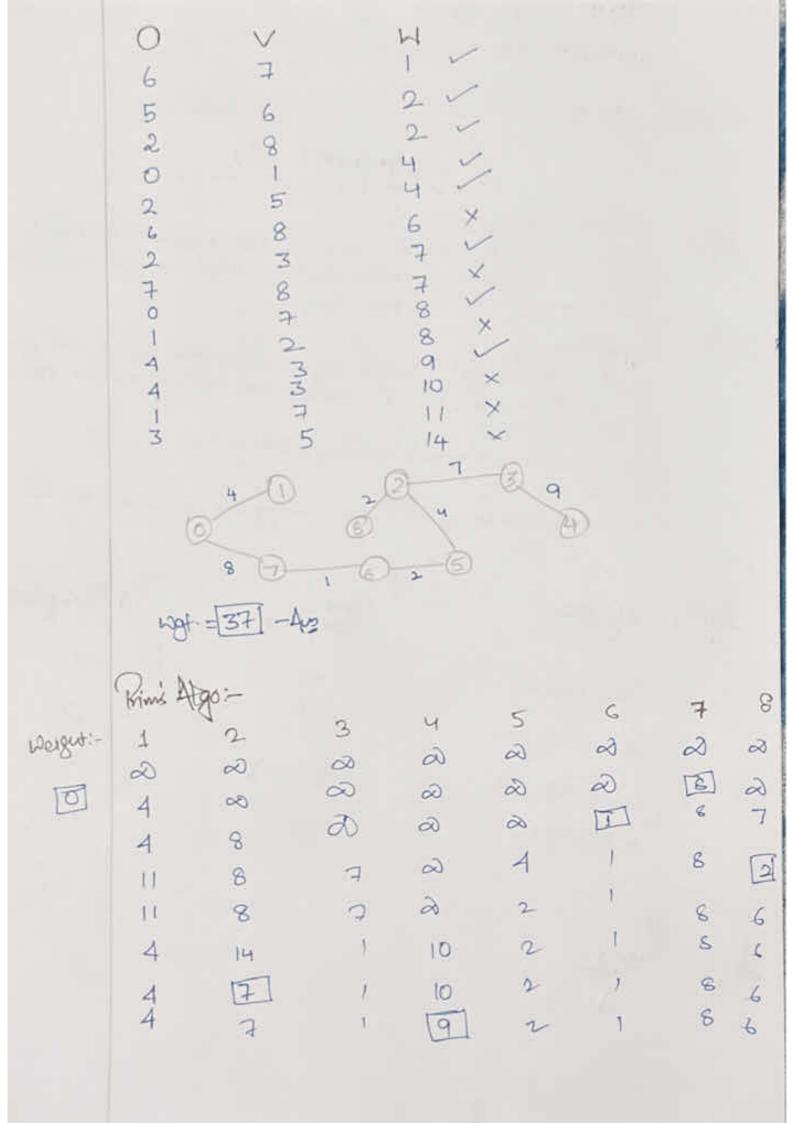
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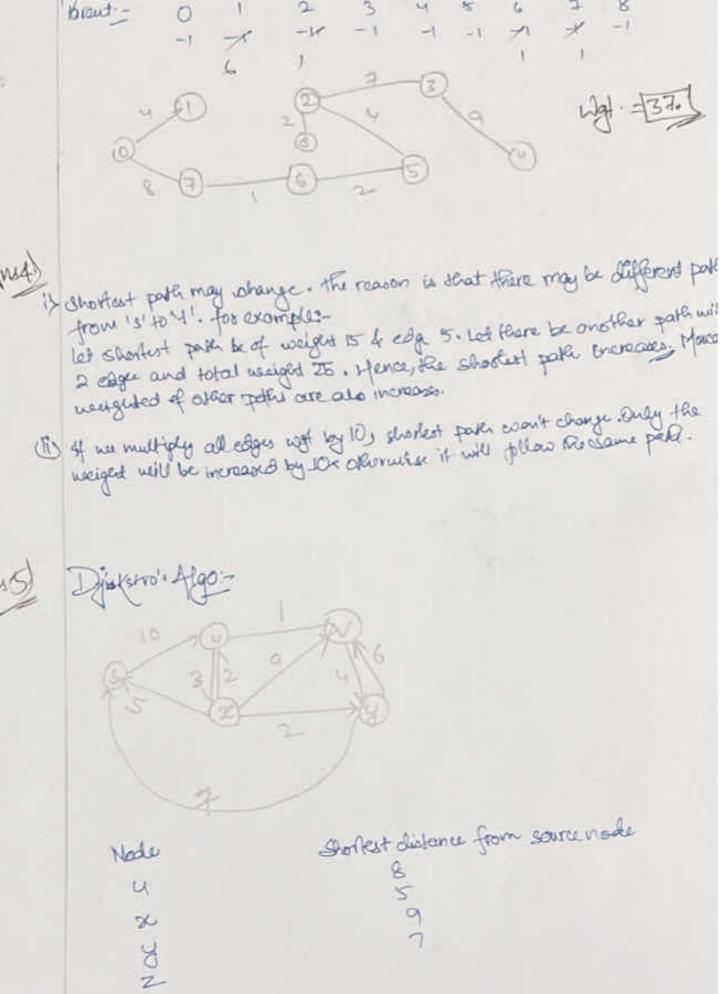
Laying Pipelius connecting offstions drilling etter, octineries of morkets.

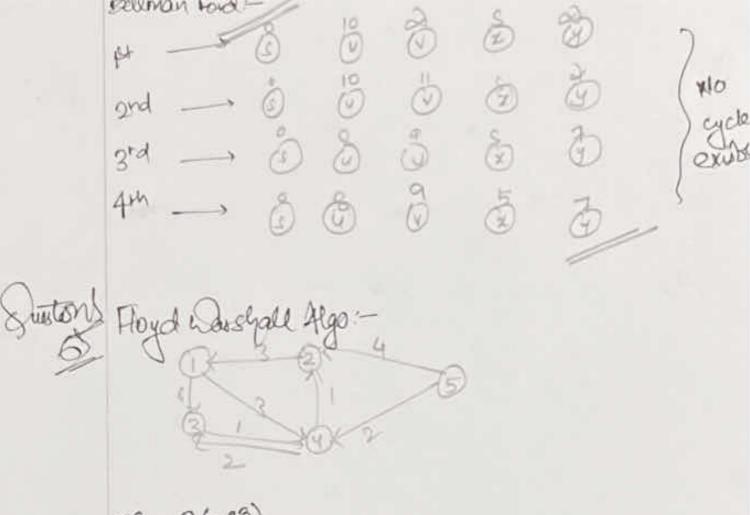
Aus 2

Algorian	Time complexity	Space complexity
Pormi Algerithan	0 (V+E)	0(4)
Djekstra's Algorian	o (Nr)	0(1)
Kruskatt Algoritan	O (E(10gV))	0(JVI)
Bellsman Ford	O(NE)	obr)

Am 3)







10 = 0 (M3). SC = 0 (M2)