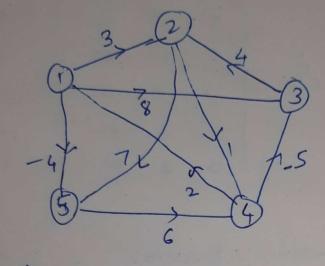
Floyd Warshall Algo.



$$A E i, j] =$$
 $min (A E i, j] ,$
 $A E i, k] + A E k, j]$

Initial

Po

K. Vertex l'inbetween.

Pass 1

Marks

(2)

4332

Q. No.

Pass 2

Vertex 2

in between.

0 00 1 7 4 0 5 11

P2 --- 22 --- 22 41.4-1 ---- 5

Pass 3

Vorter 3 inbetween,

0 3 8 4 -4 00 0 0 1 7 00 4 0 5 11 2 -1 -5 0 -2 00 00 6 0

P3 --- 22 --- 22 --- 3 --- 2 --- 5 -

Verten 4 inbetween. Pass 4

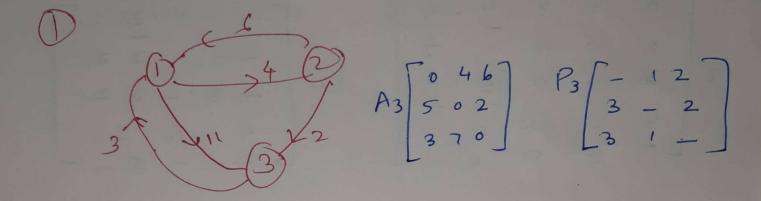
A4 0 -4 1 -1 7 4 0 5 3 5-1 5-4-1 5-2 5-4-2 8 5 1 6 0

2-4-4-1 2-4-4-3 2-5-2-4-1-5 3-4-4-1 -3-2-4-1 3-5-43-21-5

1-4,4-3 84] - 14 2 1 4 3 4 - 1 4345pars 5

Vertex 5 inserveen

Solve by Floyd Worshall's Ayo.



$$\frac{2}{\sqrt{3}}$$