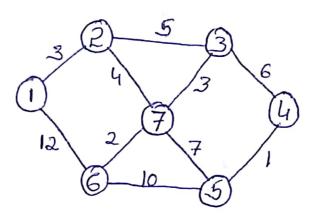
Activity -2

· Apply the Floyd-wasishall's algorithm to the tollowing glaph and draw the step by step process?



No. & vestices = 7

so, we need to do (V+1), 8 91e laxations. and we also get 8 mathices.

2	, 1								Step 2:- A								i.
	1	2	3	4	5	6	7	_		11	2	3	4	5	6	7	
1	0	3	8	<u>4</u> ∞	∞	12	8	_	I	0	3	8	∞	9	12	8	1
				⊗				6	2	3	0	5	11	11	6	4	
3	∞	5	0	6	8	∞	3	- S	3	∞	5	D	6	7	5	3	
4	∞	∞	6	O	ŀ	∞	8	4	,	∞	11	6	0	1	10	8	
5	00	∞	00	1	0	10	7								9		
6	12	∞	∞	\ll	10	0	2								0		
7	Ø	4	3	Ø	7	2	0	7		<i>1</i> ≪	4	3	8	7	2	0	

Step 3:
$$A^2$$

Step 4: A^3

1 2 3 4 5 6 7

1 0 3 8 14 14 9 7

2 3 0 5 11 11 6 4

2 3 0 5 11 11 6 4

3 8 5 0 6 7 5 3

4 14 11 6 0 1 10 8

4 14 11 6 0 1 10 8

5 14 11 7 1 0 9 7

6 9 6 5 10 9 0 2

7 7 4 3 8 7 2 0

7 7 4 3 8 7 2 0

In step 3 & step 4 we get dame mathices. So, we need not to continue it until V+1 mathices.

Activity-3

· APPly the Khuskal's and Diskstra's Algorithm to the tollowing glaph and write what are your observations?

SA) Biskstra's Algorithm:-

