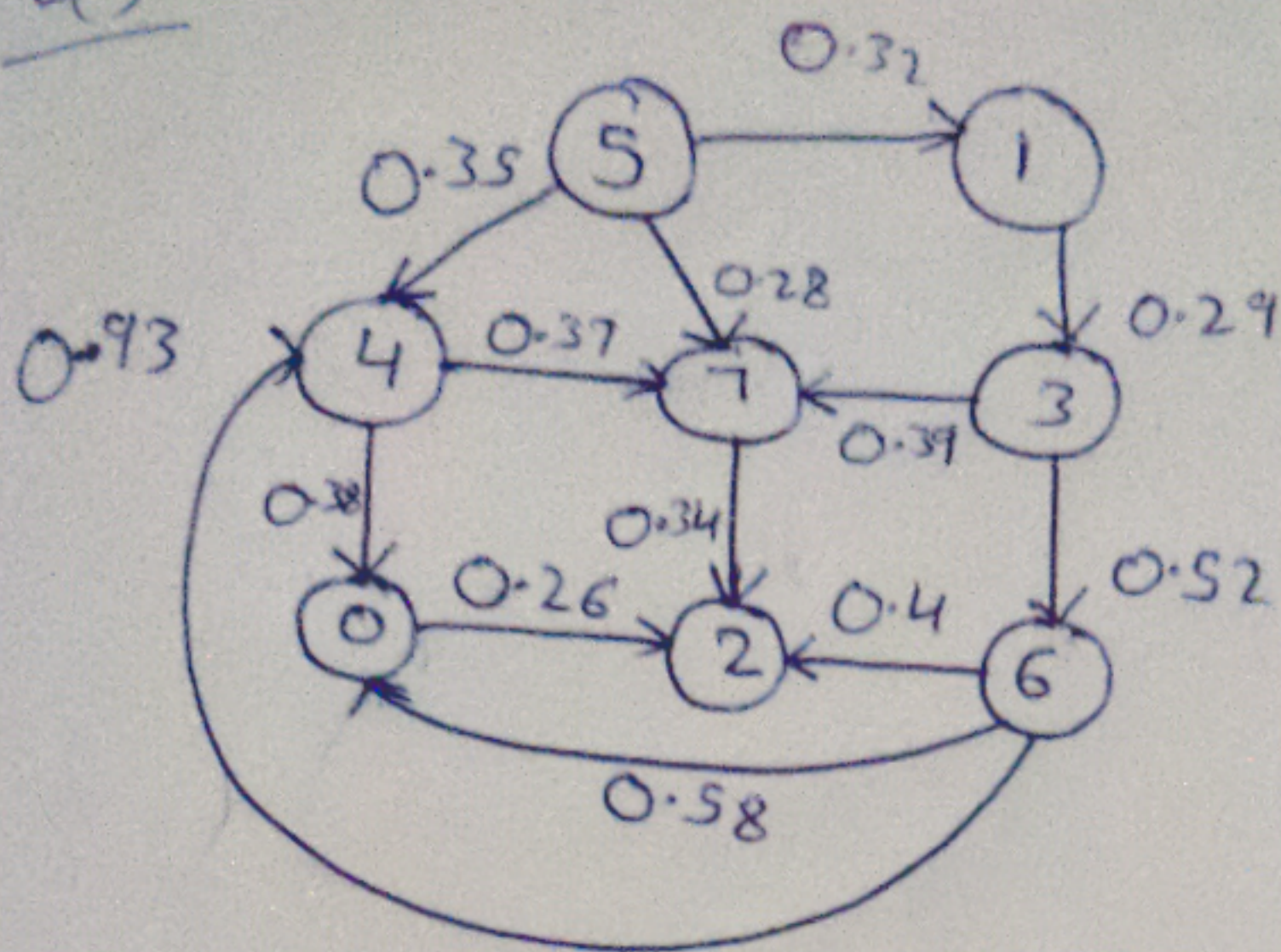
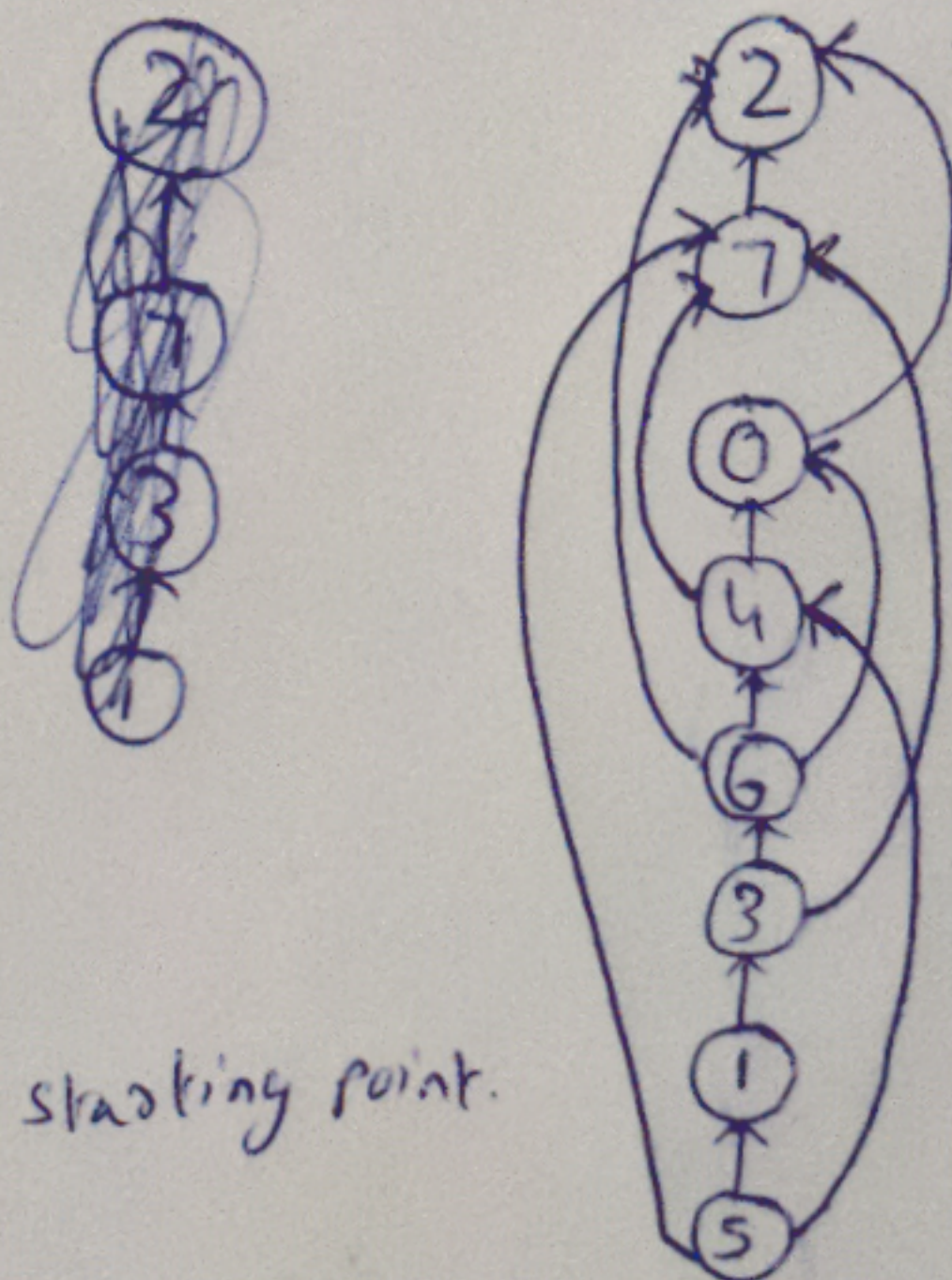


Q(3)



By using Topological sort we get



By making 'S' as starting point.

The shortest path to each other vertex is

0	1	2	3	4	5	6	7
0.73	0.32	0.62	0.61	0.35	0	1.13	0.28

The longest path to other vertices from S is

0	1	2	3	4	5	6	7
2.44	0.32	2.7	0.61	2.06	0	1.13	2.43