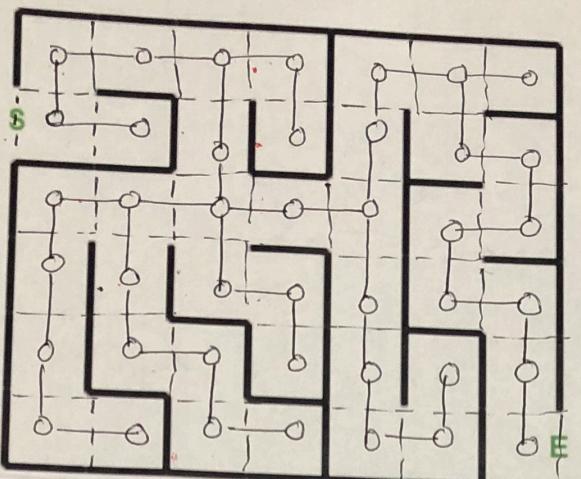
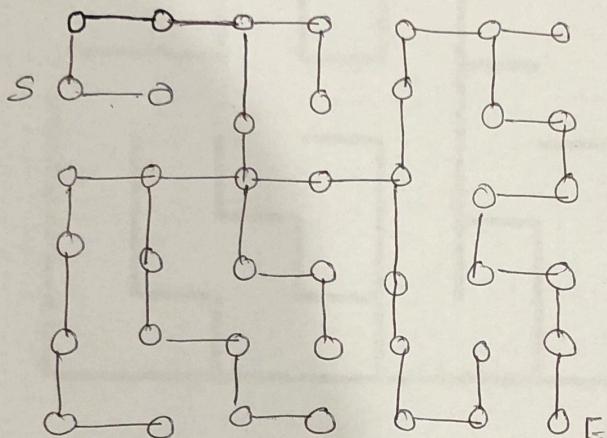


Q-6 Use Dijkstra's algorithm.

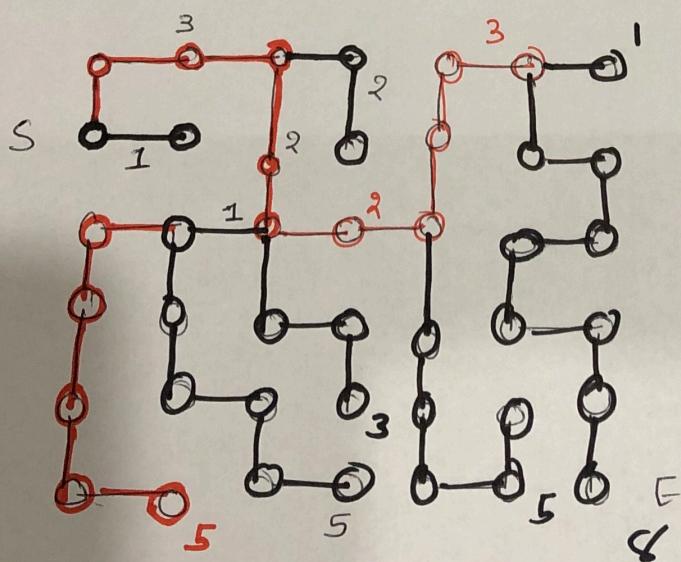


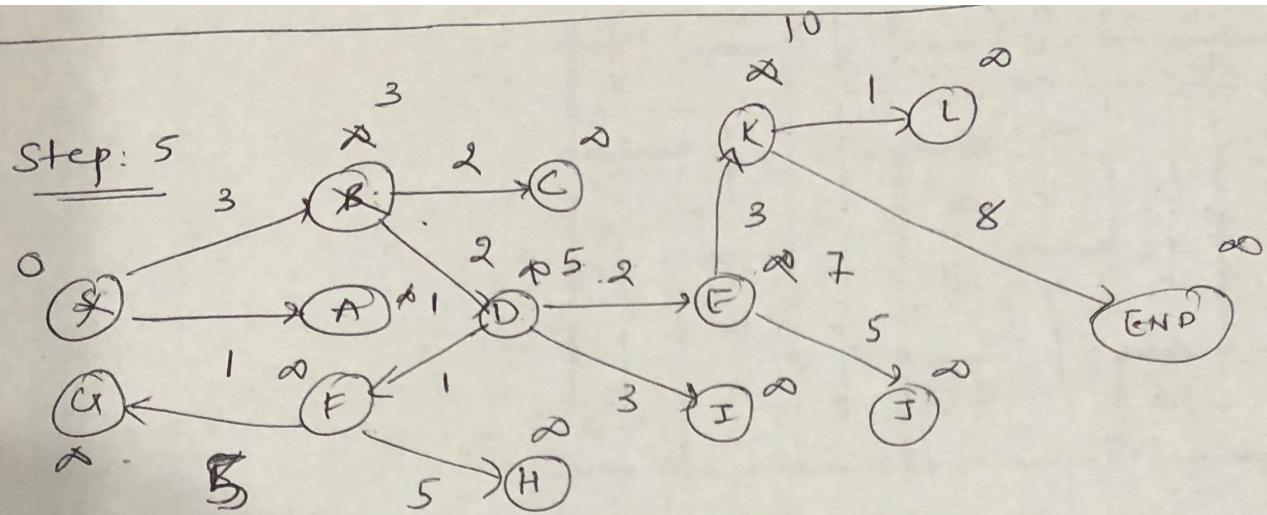
Step : 3.

Step 1 8  
Step 2



Step : 4





Vertex accumulated Path	Step 1:	S	A	B	C	D	E	F	G	H	I	J	K	L	END.
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	1	3	0	0	0	0	0	0	0	0	0	0	0
$S \rightarrow 0$		0	1	3	5	5	0	0	0	0	0	0	0	0	0
$B \rightarrow 3$		0	1	3	5	5	7	6	0	0	0	0	0	0	0
$D \rightarrow 5$		0	1	3	5	5	7	6	11	11	8	0	0	0	0
$E \rightarrow 7$		0	1	3	5	5	7	6	11	11	8	12	10	0	0
$K \rightarrow 10$		0	1	3	5	5	7	6	17	11	8	12	10	0	0
$END \rightarrow 18$															18

shortest path in Dijkstra's algorithm is 18.

$S \rightarrow 0$

$B \rightarrow 3$

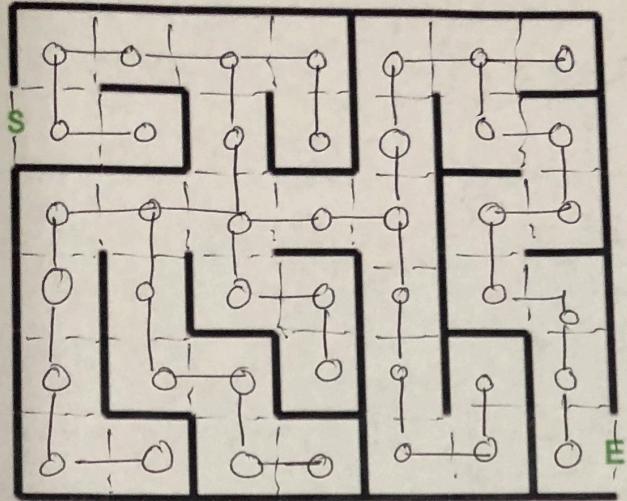
$D \rightarrow 5$

$E \rightarrow 7$

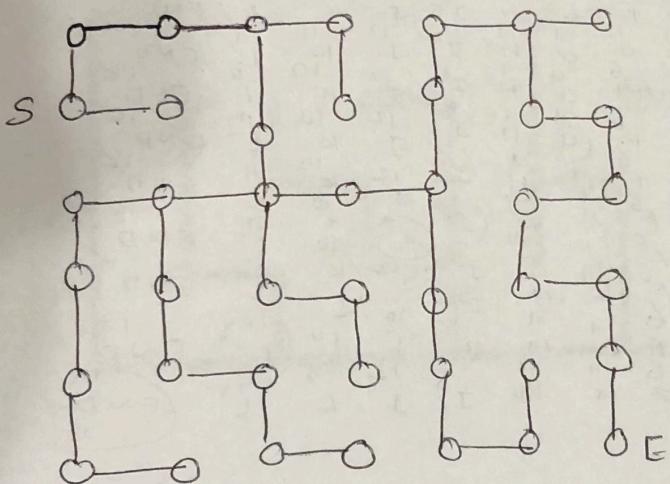
$K \rightarrow 10$

$END \rightarrow 18$

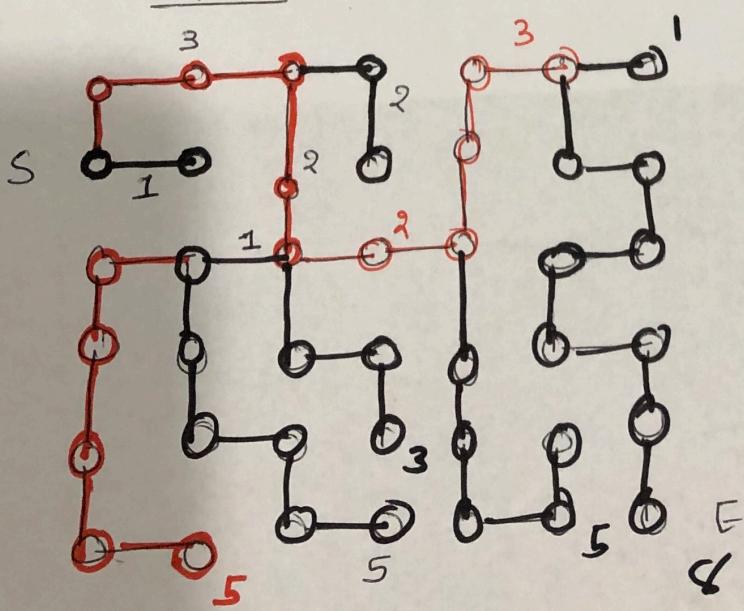
Q-7 Use Bellman Ford Algorithm.



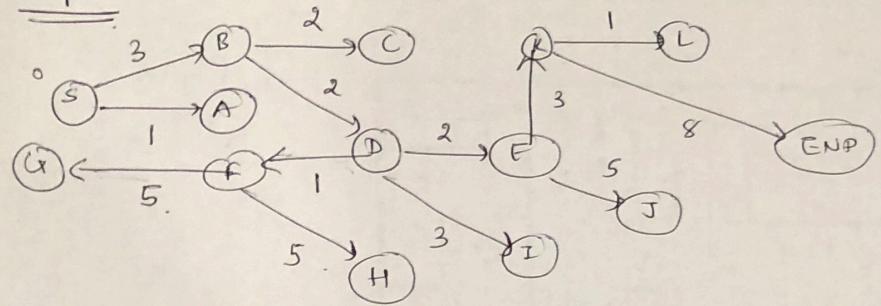
Step : 3.



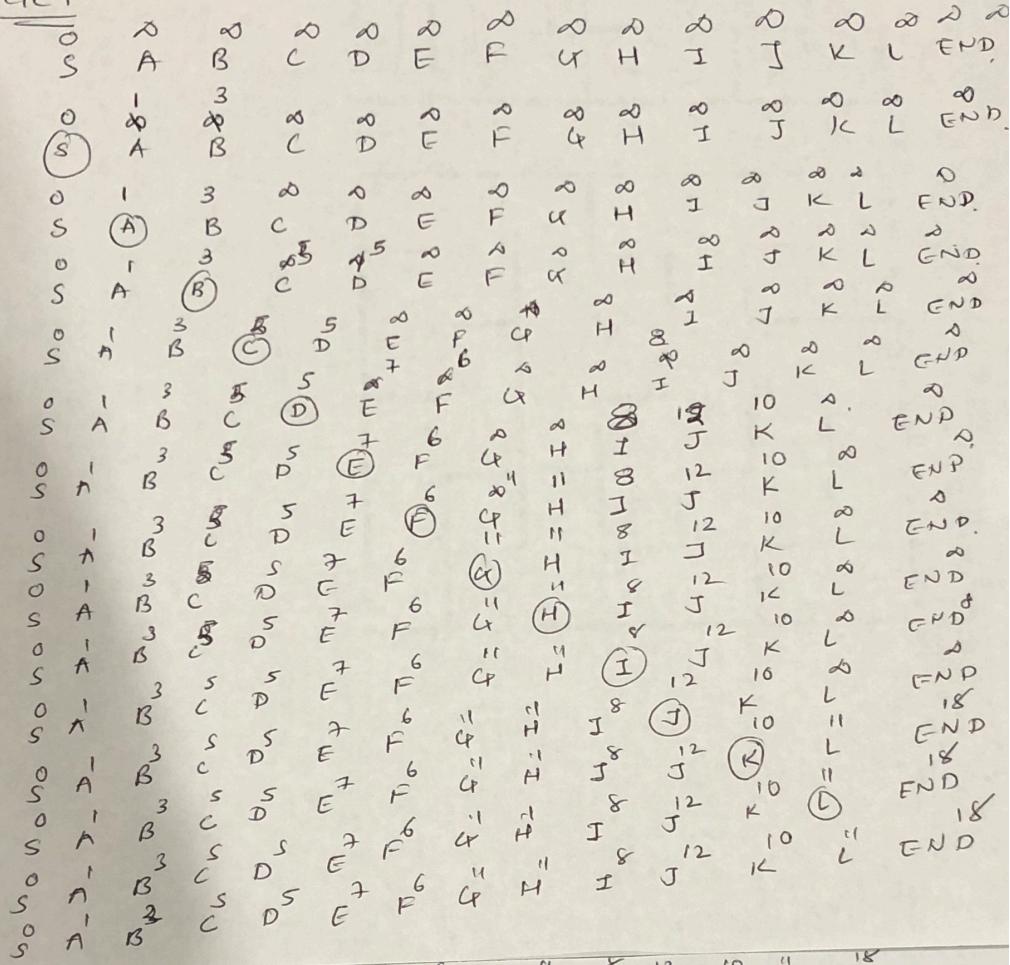
Step : 4



Step : 5



Cycle 1:



Cycle 2:

