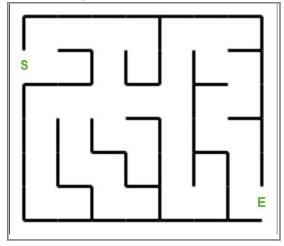
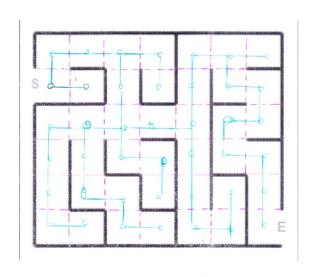
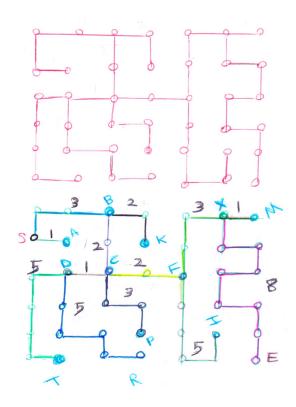
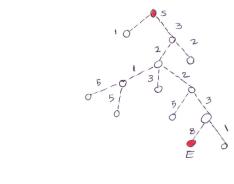
Question 6:Use Dijkstra's Algorithm to find the shortest path of the the following maze

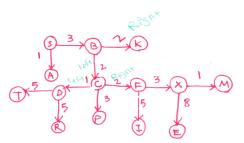


- o References
 - <u>Maze</u>
 - Shortest Path









Vertex(a ccumula ted path)	Initial	Step1 S	Step 2 (S,B)	Step 3 (S,B,C)	Step 4 (S,B,C,D)	Step 5 (S,B,C,D, F)	Step 6 (S,B,C,D, F,X)	Step 7 (S,B,C,D, F,X,E)
	Next Step S	Next Step B	Next Step C	Next Step D	Next Step F	Next Step X	Next Step E	
S	0	0	0	0	0	0	0	0
В	In	3	3	3	3	3	4	4
A	In	1	1	1	1	1	1	1
С	ln	In	5	5	5	5	5	5
K	In	In	5	5	5	5	5	5
P	In	In	In	8	8	8	8	8
D	In	in	In	6	6	6	6	6
F	In	In	In	7	7	7	7	7
R	In	In	In	In	11	11	11	11
Т	In	In	In	In	11	11	11	11
I	ln	ln	In	ln	ln	12	12	12
X	ln	ln	In	ln	ln	10	10	10
M	ln	ln	In	ln	In	ln	11	11
E	In	In	ln	In	In	In	18	18

V: the current visiting node

V: the next node to visit

V: this node has been visited