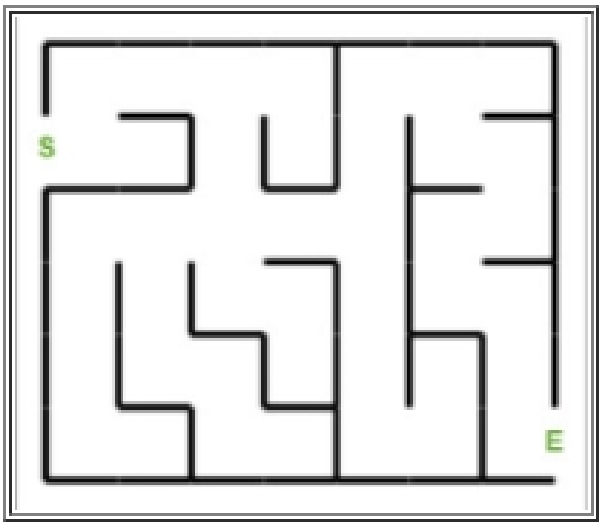
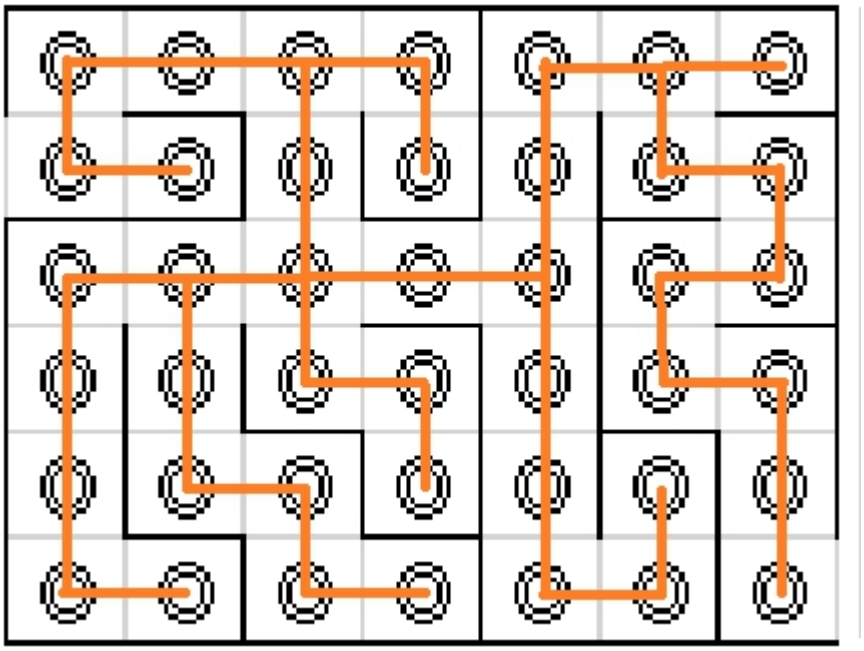
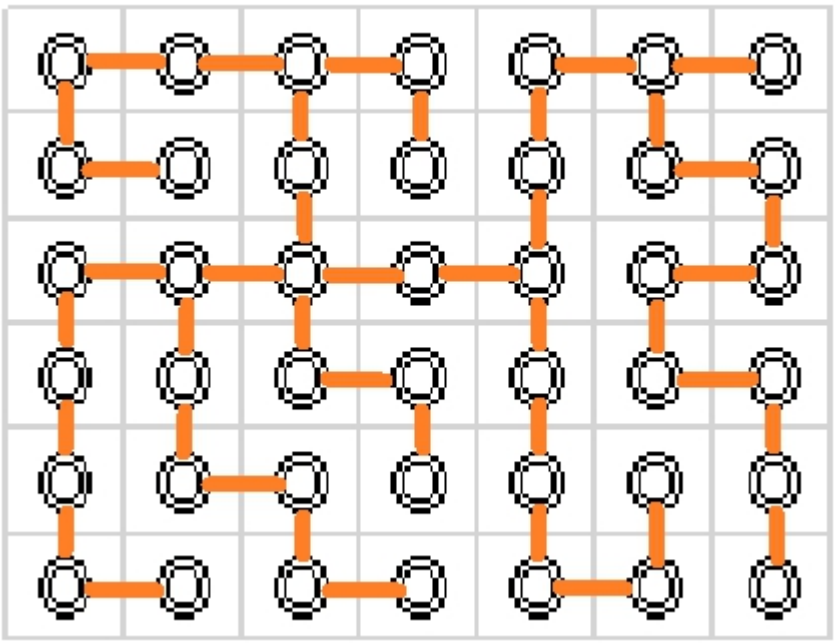
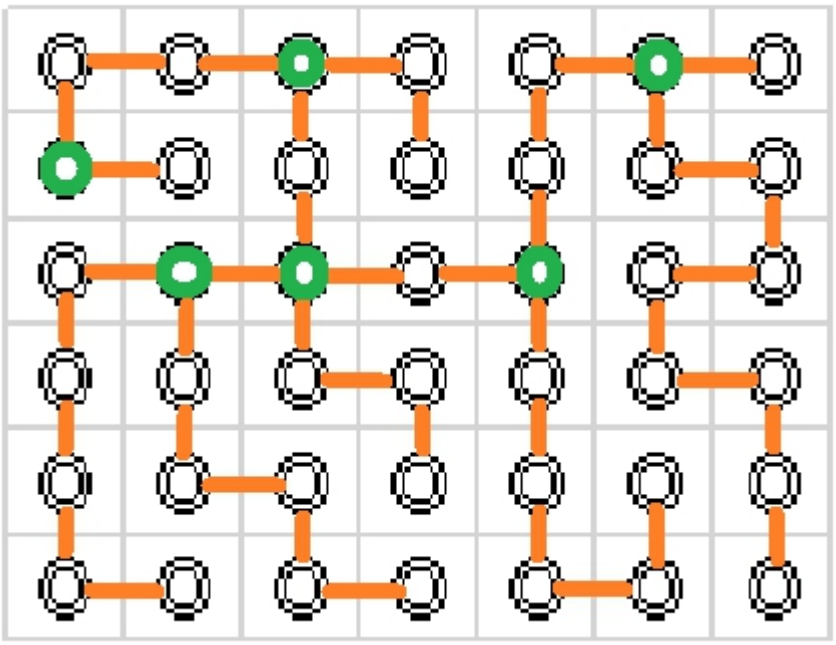
Q 25. Use Prim's Minimum Spanning Tree algorithm and Kruskal's Minimum Spanning Tree algorithm to find the shortest path of a maze.

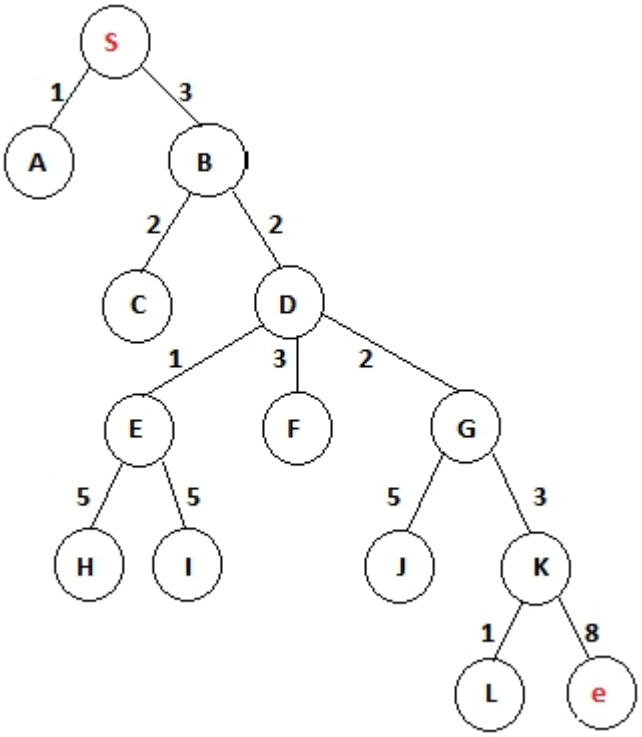
- Step 1: Similar to the previous question of finding the shortest path of the a maze. But instead of using Dijkstra's Algorithm, you will use Minimum Spanning Tree Algorithm.



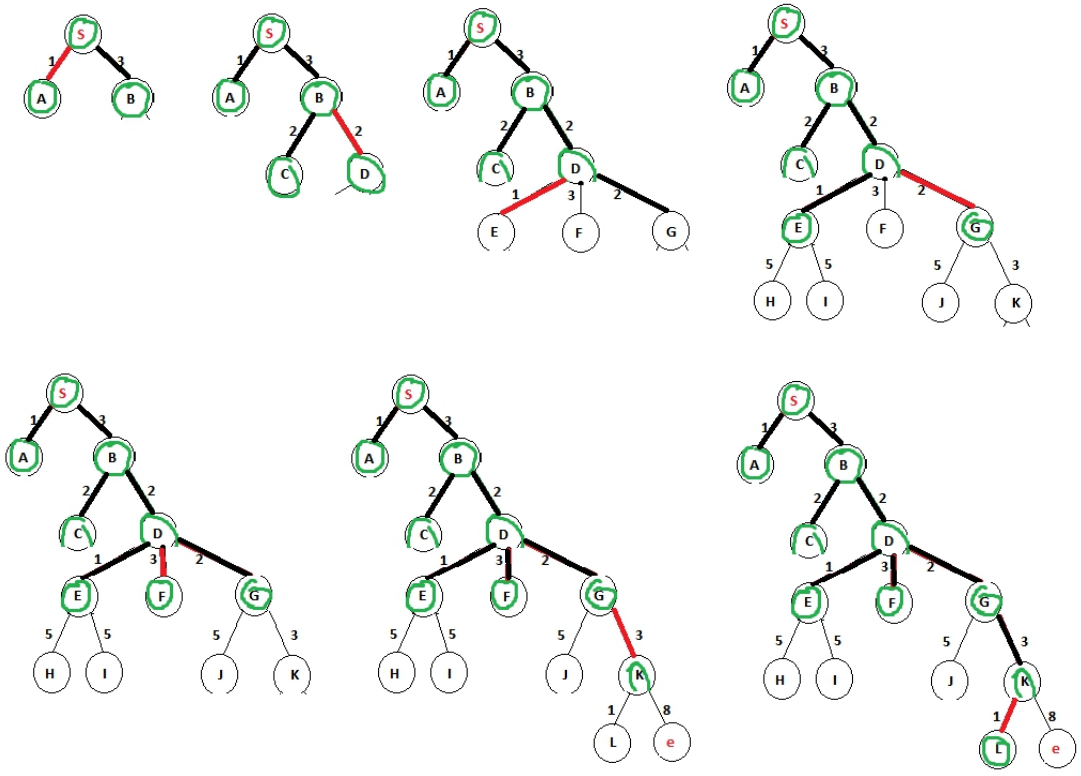


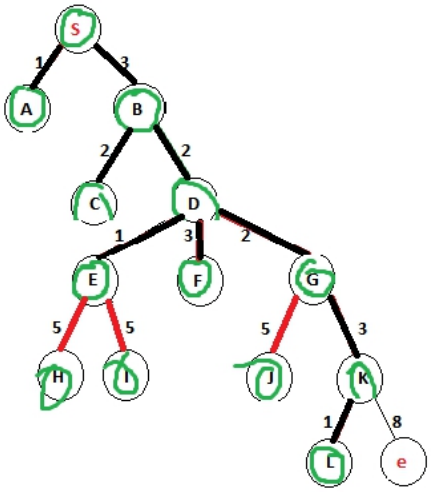


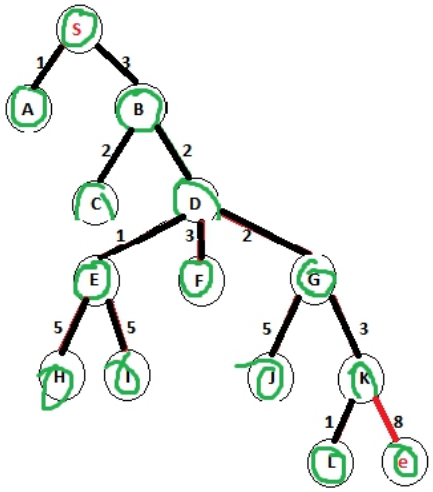




[Prim's Minimum Spanning Tree]

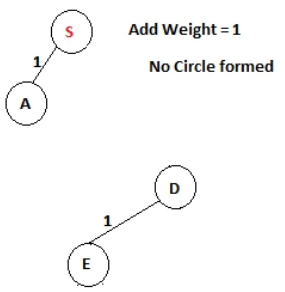


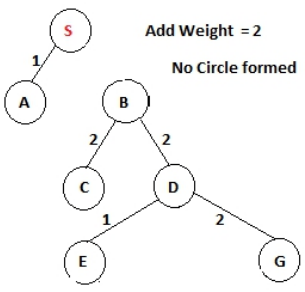


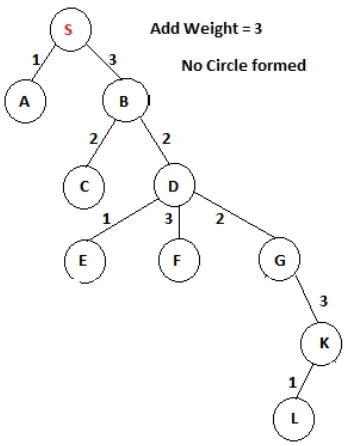


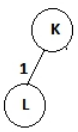
Kruskal's Minimum Spanning Tree

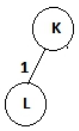
Weight	Src	Dest
1	S	A
1	D	E
1	K	L
2	B	C
2	B	D
2	D	G
3	S	B
3	D	F
3	G	K
5	E	H
5	E	I
5	G	J
8	K	e

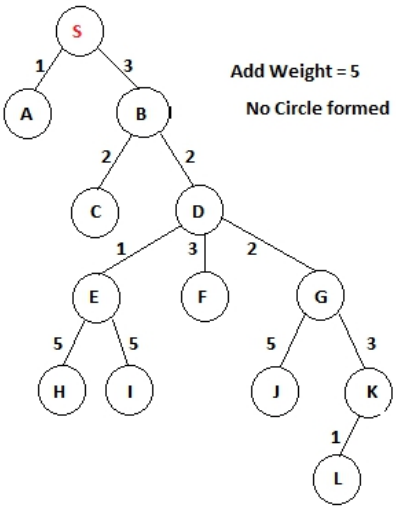


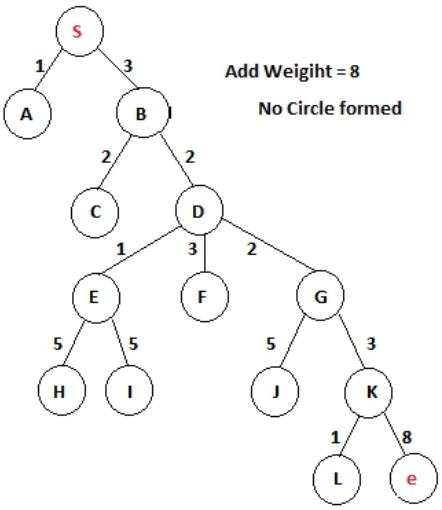












- Step 2: Comparing the performance of these two algorithm in solving this question by
  - Big-O comparison

Prim's Minimum Spanning Tree

O((v + E)logV)

Kruskal's Minimum Spanning Tree

O(E * logV)

- Step 3: Update your portofolio about the Maze project