Solution of quiz-1

1. List the nodes visited by defth-first search, starting with the node S till it terminates.

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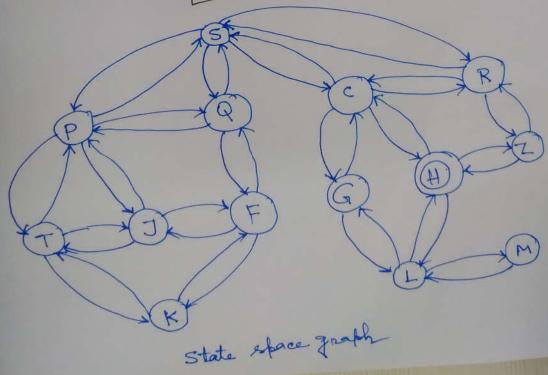
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ted again.

Node N	MoveGen (N)
S	(P, Q, C, R)
P	$(\tau, \tau, \tau, \varphi, s)$
Q	(P, F, S)
C	(G_, H, R, S)
R	(c, Z, S)
T	(K, J, P)
F	(7, K, 9)
G	(L,c)
 	(L,M,Z,C)
	(H,R)
\sqrt{Z}	17.F, P)
	(5,7)
	(M, H, G2)
[H,L)	



1. List t

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$$S \rightarrow P \rightarrow T \rightarrow K \rightarrow F \rightarrow J \rightarrow Q \rightarrow C \rightarrow G_{L}$$

$$R \leftarrow Z \leftarrow H \leftarrow M \leftarrow L$$

2. What is the path found, if any, by depth first search?

 $S \rightarrow C \rightarrow H$

3: List the nodes visited by breadthfirst search starting with the node S till it terminates.

List of modes visited by breadth first search = S -> P -> Q -> C -> R -> T -> J

 $K \rightarrow L \rightarrow M$ A THOUT HE SEE

4: What is the path found, if any, by breadth first search?

Path = S -> C -> H.

Assuming that a CLOSED list is not maintained, lit the order in which rudes visited by algorithm DFID. You way assume that a node already @ on OPEN is not added again to OPEN if generated again.

Petth	Let of modes weited
0	S-P-Q-C-R
	S -> P -> T -> J -> P -> F
1	SXZ+R+S+H+G+C+S



Me on the state is there and with the SPORGETCE MANDE ording parilledist SPJFKT 5: What is the path found, if any, by DFID? 3-C-+.