The algorithm is given a maze (formatted as outlined in the assignment) and a starting (current) position p.

- 1. If p is an exit, mark it.
- 2. If p is a wall or has already been visited, return.
- 3. Get all positions neighboring p and recursively call the algorithm with the obtained positions.

The first eight steps are thus

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1	# # # #	Depth	p	obstacle/visited	neighbours
2	# # # # #	0	(5,1)	no	(5,0) $(5,2)$ $(4,1)$ $(6,1)$
3	# ## ## #	1	(5,0)	yes	
4	### #	1	(5,2)	no	(5,1) $(5,3)$ $(4,2)$ $(6,2)$
5	#S # # ###	2	(5,1)	yes	
6	# ## # #	2	(5,3)	no	(5,2) $(5,4)$ $(4,3)$ $(6,3)$
7	# # ### #	3	(5,2)	yes	
8	# # # # # #	3	(5,4)	yes	
9	# # #	3	(4,3)	no	(4,2) $(4,4)$ $(3,3)$ $(5,3)$
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