Artificial Intelligence

Continuous Evaluation, Group 89 Uninformed Search 18/02/13

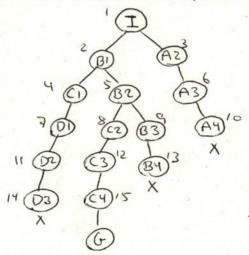
Name

Maze Problem: The aim is to find the path to the goal Operators

- 1. Move Down
 - 2. Move Right
 - 3. Move Up
 - 4. Move Left

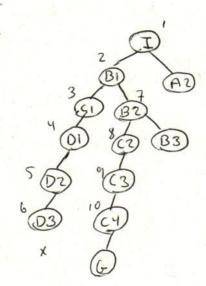
Assuming the order given for the operators, use <u>breadth</u> first search to solve the maze problem. Show the result by a tree and also mark every cell with the number of the expanded node.

Initial State	A2 3	A3	A4
B1 ₂	B2 5	B3 q	B4 13
C1 4	C2	C3 12	C4 ₁₅
D1 7	D2	D3	Goal



Apply depth first search to the same problem.

Initial State	A2	А3	A4
B1 2	B2 7	В3	B4
C13	C2 8	C3 9	C4 /0
D1 ₄	D2 5	D3 6	Goal



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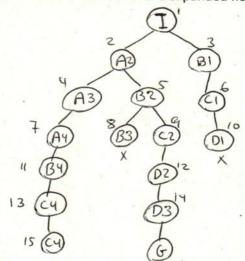
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Assuming the order given for the operators, use <u>breadth first</u> search to solve the maze problem. Show the result by a tree and also mark every cell with the number of the expanded node.

Initial State	A2 2	A3 4	A4,
B1 ₃	B2 5	B3 8	B4
C16	C2 <mark>q</mark>	C3/5	C4 13
D1 ₁₈	D2	D3	Goal



Apply depth first search to the same problem.

Initial State	A2 2	A3_3	A4 4
B1	B2 8	B3 9	B4 5
C1	C2 10	C3-7	C4 💪
D1	D2	D3	Goal

