

A 6x6 grid with a yellow background and gray grid lines. A path is highlighted with a thick black curved line connecting a red circle labeled 'R' at row 3, column 2 to a black circle labeled 'p5' at row 3, column 6. Below this path, there are three more nodes: a black circle labeled 'p5' at row 5, column 2, a red circle labeled 'R' at row 5, column 4, and a black circle labeled 'Δ3' at row 5, column 6. There are also three gray circles at row 2, column 4; row 4, column 4; and row 6, column 4. A large number '3' is positioned to the left of the grid, centered vertically between rows 3 and 5.

A 4x4 grid world diagram. The start state is labeled '8' (a red circle) at the bottom-left corner (row 4, column 1). The goal state is labeled 'R' (a red circle) at the top-right corner (row 1, column 4). There are obstacles (gray circles) at (row, column) positions: (2, 2), (3, 2), (3, 3), and (4, 3). A path is shown as a black line starting from '8', moving right to (4, 2), then up to (3, 2), then right to (3, 3), then up to (2, 3), then right to (2, 4), and finally down to 'R'. The path passes through states 'p3' (black circle at (2, 3)) and 'p5' (black circle at (3, 3)).

A 5x5 grid with a red circle labeled 'R' at the bottom-left corner (0,0). A vertical line is on the left, and a horizontal line is at the bottom. Black circles are labeled 'p5' at (2,3), 'Δ7' at (1,2), and 'Δ3' at (2,2). There are also two light blue circles at (1,4) and (2,4).

Diagram illustrating a 4x4 grid with a path of red circles labeled R, b7, b3, p5, and R. A black arc connects the first and last red circles. The number 8 is to the left of the first red circle. Gray dots are at (1,3), (2,4), and (3,2).

Diagram illustrating a 3D grid structure with nodes labeled R, b7, p5, p5, and A3. A curved line connects R and b7. A vertical line on the left is labeled 3.

A 5x5 grid with yellow cells and grey borders. A path is shown starting from a red circle labeled 'R' at row 4, column 1. A black arc connects 'R' to a black circle labeled 'p5' at row 3, column 4. Along this arc is a black circle labeled 'b7' at row 3, column 2. Other black circles are located at: 'p5' at row 4, column 2; 'Δ3' at row 3, column 3; and 'Δ2' at row 4, column 5. Grey circles are located at: row 2, column 3; row 3, column 4; row 4, column 3; and row 5, column 3. The number '8' is to the left of the 'R' circle.