

Jade Surprise Major

Figure 1 displays four 8x8 grids, each representing a different path for the 8-queens problem. The grids are labeled (1), (2), (3), and (4) in circles at the top right. Each grid contains a sequence of numbers from 1 to 8, representing the column index for each row. A blue path is highlighted in each grid, showing a sequence of 8 numbers. Red lines connect the numbers in the path, forming a zigzag pattern. The paths are:

- (1) 1, 3, 5, 2, 7, 4, 8, 6
- (2) 1, 3, 5, 2, 7, 4, 8, 6
- (3) 1, 6, 4, 8, 2, 7, 3, 5
- (4) 1, 6, 4, 8, 2, 7, 3, 5