

Zed Surprise Major

Figure 1 displays eight 8x8 grids, each representing a different path for the 8-queens problem. The grids are labeled 1 through 8, with some additional labels in parentheses: (2), (4), (6), (7), (5), (3), and (8). Each grid contains numbers 1 through 8 in each cell, arranged in a specific pattern. A blue path is highlighted in each grid, indicating a valid solution where each row and column contains exactly one queen. Red lines connect the numbers in a way that suggests a path through the grid, often forming a zig-zag pattern. The paths are unique for each grid, showing different ways to place 8 queens on an 8x8 chessboard such that no two queens share the same row, column, or diagonal.