

# Nephrite 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, corresponding to the paths shown. Each grid contains numbers 1 through 8, and the paths are indicated by blue squares. The paths are as follows:

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