

# Highclere Castle Surprise Major

Figure 1 displays eight 8x8 grids, each representing a different path for a robot starting at (1,1) and ending at (8,8). The paths are labeled 1 through 8. Each grid contains numbers 1-8 in a specific pattern, and the paths are highlighted with blue and red lines. The paths represent different ways to traverse the grid from start to end.

The paths are defined by the sequence of numbers they visit, starting from (1,1) and ending at (8,8). The paths are:

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