



The grid is a 6x6 square divided into four 3x3 quadrants by a central cross. The numbers and diamond obstacles are distributed as follows:

- Top-Left Quadrant (Rows 1-3, Columns 1-3):**
 - Row 1: 5 (C2)
 - Row 2: 4 (C1), 2 (C3)
 - Row 3: 1 (C1)
- Top-Right Quadrant (Rows 1-3, Columns 4-6):**
 - Row 1: 1 (C5)
 - Row 2: 3 (C6)
 - Row 3: 8 (C4), 5 (C5)
- Bottom-Left Quadrant (Rows 4-6, Columns 1-3):**
 - Row 4: 6 (C1), 7 (C2)
 - Row 5: 6 (C1)
 - Row 6: 1 (C2)
- Bottom-Right Quadrant (Rows 4-6, Columns 4-6):**
 - Row 4: 2 (C4), 1 (C5)
 - Row 5: 2 (C4), 8 (C5)
 - Row 6: 6 (C4), 4 (C5), 3 (C6)

Diamond-shaped obstacles are located in the following cells: (1,2), (2,3), (3,2), (4,1), (4,3), (5,2), (5,4), (5,5), (6,3), (6,5), (6,6).

A thick grey line represents a path starting from the top-left corner (1,1) and ending at the bottom-right corner (6,6). The path is composed of horizontal, vertical, and diagonal segments, navigating around the obstacles.