



The grid is a 6x6 square divided into four 3x3 quadrants by a vertical line between columns 3 and 4 and a horizontal line between rows 3 and 4. The numbers and diamond-shaped obstacles are distributed as follows:

- Top-Left Quadrant (Rows 1-3, Columns 1-3):**
 - Row 1: Column 3 has the number 1.
 - Row 2: Column 1 has the number 5, Column 2 has the number 9.
 - Row 3: Column 2 has the number 2.
- Top-Right Quadrant (Rows 1-3, Columns 4-6):**
 - Row 1: Column 5 has the number 3, Column 6 has the number 7.
 - Row 3: Column 5 has the number 6.
- Bottom-Left Quadrant (Rows 4-6, Columns 1-3):**
 - Row 4: Column 1 has the number 4, Column 3 has the number 5.
 - Row 5: Column 1 has the number 9, Column 3 has the number 3.
 - Row 6: Column 1 has the number 6, Column 3 has the number 8.
- Bottom-Right Quadrant (Rows 4-6, Columns 4-6):**
 - Row 4: Column 5 has the number 1, Column 6 has the number 7.
 - Row 5: Column 4 has the number 8, Column 5 has the number 4, Column 6 has the number 2.
 - Row 6: Column 4 has the number 1, Column 5 has the number 4, Column 6 has the number 9.

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

A path is drawn through the grid, starting from the top-left and ending at the bottom-right. The path consists of the following cells (row, column): (1,1), (1,2), (1,3), (2,3), (2,4), (2,5), (2,6), (3,6), (3,5), (3,4), (4,4), (4,5), (4,6), (5,6), (5,5), (5,4), (5,3), (5,2), (5,1), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6).