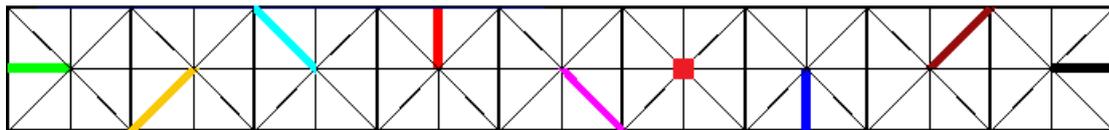# Explanation Sudoku with connected lines.

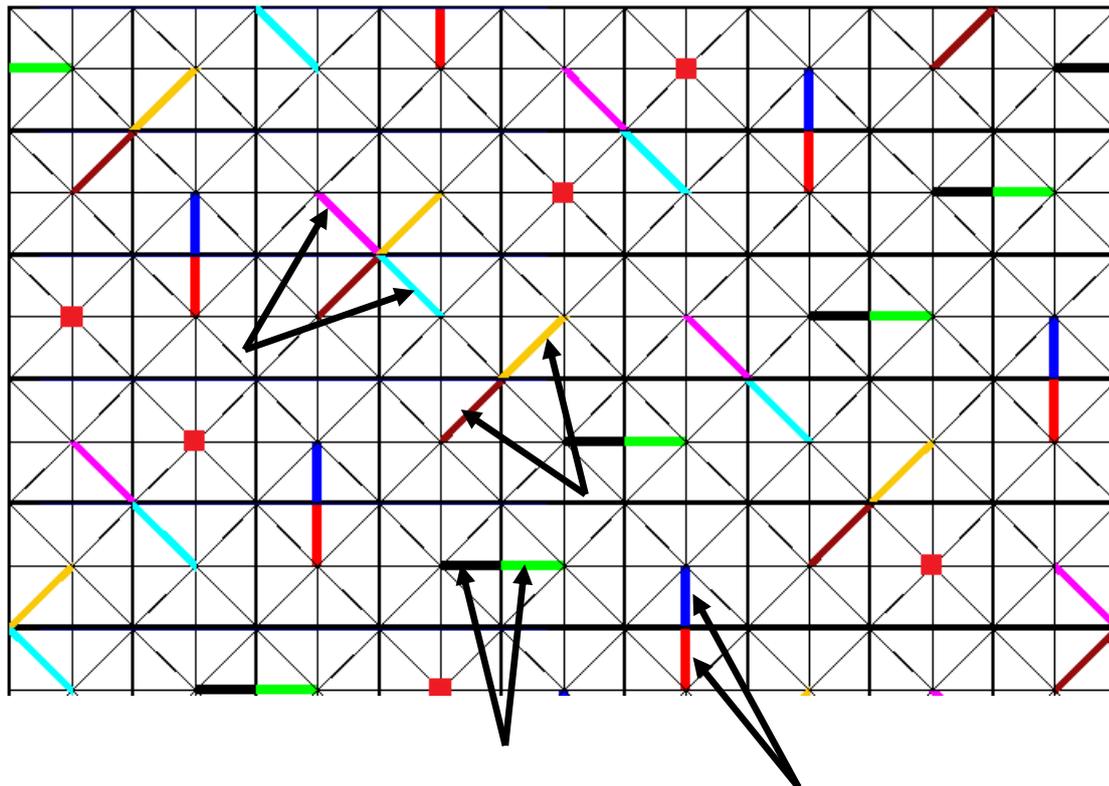<u>Explanation:</u>

This Sudoku contains nine rows and columns.
In each row and column (not in blocks) the nine symbols (eight lines and one point symbol) are one time present.
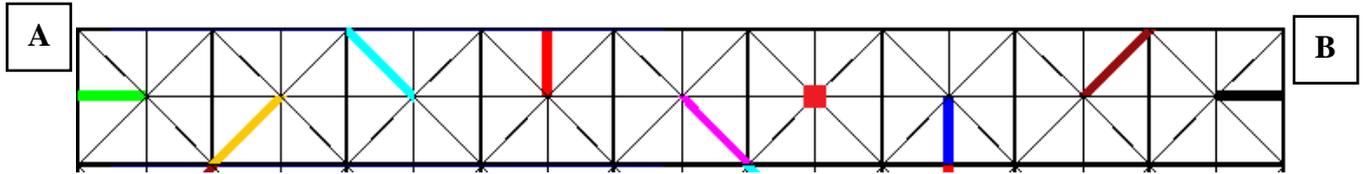

The lines (two horizontal, two vertical and four diagonals) are connected with the related positions.

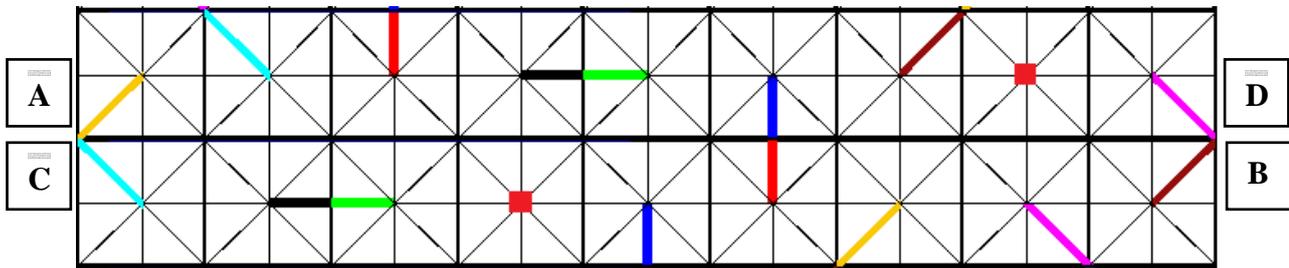_____

Situation at the edges of the puzzle:

1. Horizontal and vertical lines:

When the first column contains a horizontal line, from the middle to the left [A], the left connecting position must be a horizontal line, from the middle to the right [B]. Because this position is outside the puzzle. The symbol [B] cannot be placed with using the convention of the connected lines. So symbol [B] can only be placed in last column of that row.

This rule is also used with vertical Lines in the columns.

2. Diagonals:

Diagonal [B] must be placed Left under diagonal [A].
In this example this position is outside the Sudoku. in this case diagonal [B] must be placed in the last column of the next row [C .. B]..
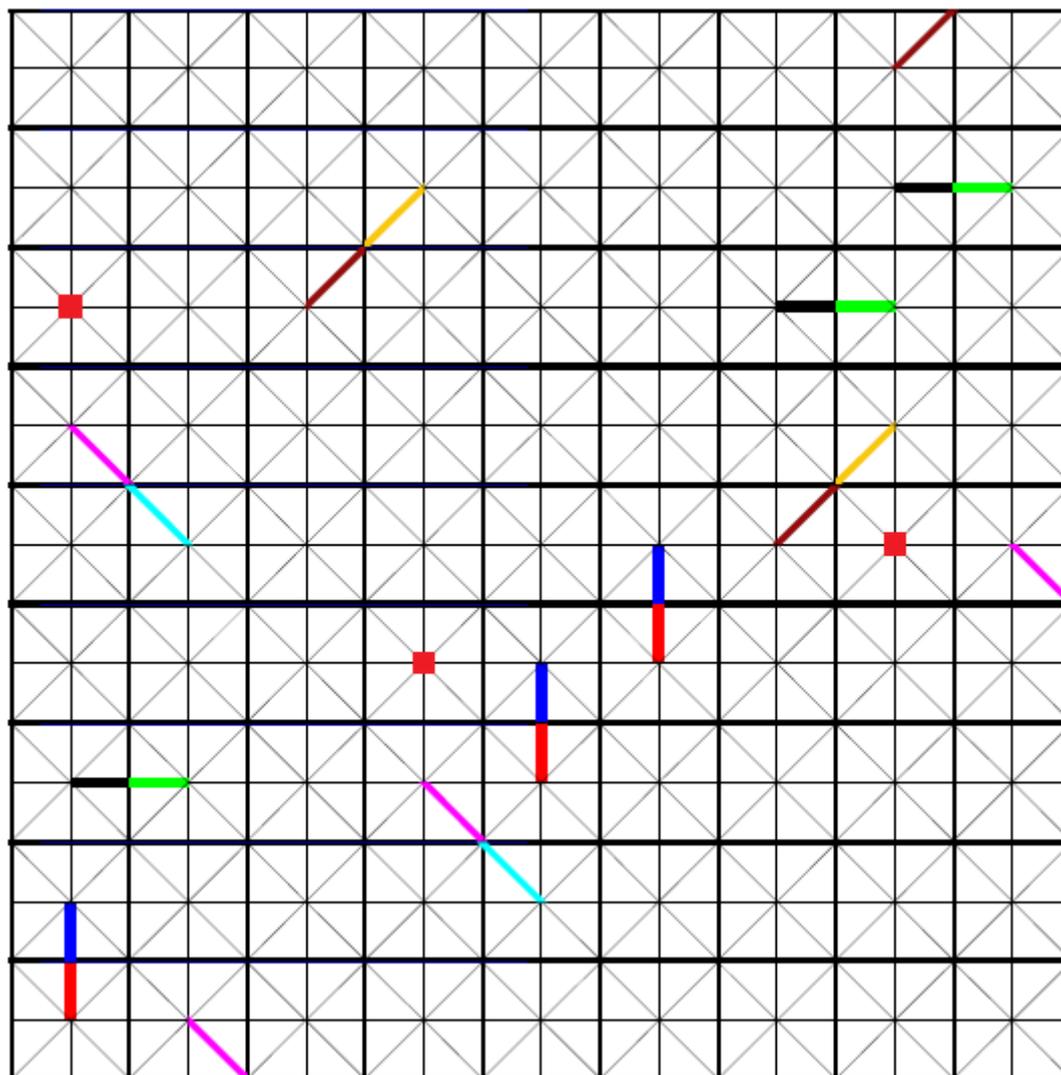
Left above diagonal [C] diagonal [D] must be placed. This position is outside the puzzle so diagonal [D] must be placed in the last column of the row above [A ..D].

This rule is also used in the columns.

The puzzle looks like:

The solution is: