MASAKUCHI

Fill each region (indicated by thick black lines) with each of the digits from 1 to the number of cells in that region.

When two numbers are orthogonally adjacent across a region boundary, they must be different.

The grid has black cells with arrows and numbers. The arrow points at the greatest number among the four cells orthogonally adjacent to the black cell. The number in the black cell shows the <u>difference</u> between the greatest number and the second highest number in all cells orthogonally adjacent to this black cell.

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