

17/05/13:

4-Way Loop by Serkan Yürekli

Theme: Clue Symmetry and Logic (for TheSubro)

Rules: Combination of Balance Loop, Yajilin, Castle Wall, and Masyu as shown to the right.

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|--------------|---------|
| Balance Loop | Yajilin |
| Castle Wall | Masyu |

Draw a single, non-intersecting loop through all four quadrants. The loop may enter and exit the different quadrants as many times as needed.

The standard rules for each puzzle type are true for each quadrant, with these additional considerations:

Balance Loop: Use the entire length of segments (including parts of the segments that extend into an adjacent quadrant) when determining the balanced/unbalanced status of a circle clue.

Yajilin: The arrow clues refer only to shaded cells within the Yajilin quadrant. The loop must occupy all cells adjacent to a shaded cell, even in an adjacent quadrant.

Castle Wall: Number clues only apply within the grid and DO NOT include any line segments that cross the bold border with another grid or any segments in other quadrants. (Another way to say this is that the Castle Wall clues refer to the number of thin lines crossed in the lower-left quadrant only.)

Masyu: Normal rules apply for white and black circles, but the path satisfying these rules can extend into an adjacent quadrant. (For example, a white circle can be passed through crossing a quadrant edge, provided it turns immediately on one side of the circle whether the turn is in the Masyu quadrant or in another quadrant.)

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The puzzle consists of a 10x10 grid. The left half (columns 1-5) contains a 5x5 sub-grid. The right half (columns 6-10) is a standard grid. The sub-grid contains circled numbers and black/white cells. The main grid contains numbers and arrows in various directions. The grid is divided into four quadrants by a vertical line between columns 5 and 6 and a horizontal line between rows 5 and 6.

Sub-grid (Left 5x5):

- Row 1: (1,1) white, (1,2) white, (1,3) black, (1,4) white, (1,5) black
- Row 2: (2,1) white, (2,2) black, (2,3) circled 4, (2,4) white, (2,5) black
- Row 3: (3,1) white, (3,2) circled 4, (3,3) circled 5, (3,4) circled 4, (3,5) white
- Row 4: (4,1) white, (4,2) black, (4,3) black, (4,4) white, (4,5) circled 2
- Row 5: (5,1) circled 8, (5,2) black, (5,3) circled 4, (5,4) white, (5,5) black

Main Grid (Right 10x5):

- Row 1: (1,6) grey, (1,7) grey, (1,8) white, (1,9) circled 2, (1,10) grey
- Row 2: (2,6) white, (2,7) white, (2,8) white, (2,9) circled 0, (2,10) white
- Row 3: (3,6) circled 1, (3,7) white, (3,8) circled 3, (3,9) white, (3,10) white
- Row 4: (4,6) white, (4,7) white, (4,8) white, (4,9) circled 2, (4,10) white
- Row 5: (5,6) circled 1, (5,7) white, (5,8) white, (5,9) white, (5,10) white
- Row 6: (6,6) circled 2, (6,7) white, (6,8) white, (6,9) white, (6,10) white
- Row 7: (7,6) circled 1, (7,7) circled 2, (7,8) white, (7,9) circled 2, (7,10) white
- Row 8: (8,6) white, (8,7) white, (8,8) white, (8,9) black, (8,10) black
- Row 9: (9,6) white, (9,7) white, (9,8) white, (9,9) white, (9,10) white
- Row 10: (10,6) white, (10,7) white, (10,8) white, (10,9) white, (10,10) white

Clues and Numbers:

- Row 1: (1,9) 2 ←, (1,10) 1 ←
- Row 2: (2,9) 0 ←
- Row 3: (3,6) 1 →, (3,8) 3 →
- Row 4: (4,9) 2 ↓, (4,10) 1 ↓
- Row 5: (5,6) 2 →
- Row 6: (6,6) 1 →, (6,7) 2 ↑, (6,8) 2 ↑, (6,9) 2 ↑
- Row 7: (7,6) 6 ←
- Row 8: (8,5) 1 ←
- Row 9: (9,2) 2 ↓, (9,4) 1 ↑, (9,6) 2 ↓, (9,7) 3 ↑, (9,10) 2 ←
- Row 10: (10,4) 3 ↑, (10,10) 5 ←
- Row 11: (11,1) 4 →