Yajilin

Midterm information: Construct a logic puzzle, due 2/26 11:59 PM. Details at
https://tinyurl.com/logicpuzzlestucomidterm

Announcement: Next class, 2/27, we will be solving each others' puzzles! Class will end at 7:35 PM instead of 7:50 PM.

Yajilin rules: Shade some cells in the grid, and draw a single non-crossing loop through all remaining cells.

- Shaded cells cannot be adjacent horizontally/vertically.
- Gray cells cannot be shaded, and are not part of the loop.
- A gray cell with a number indicates how many shaded cells are in the given direction (and sees through other gray cells).
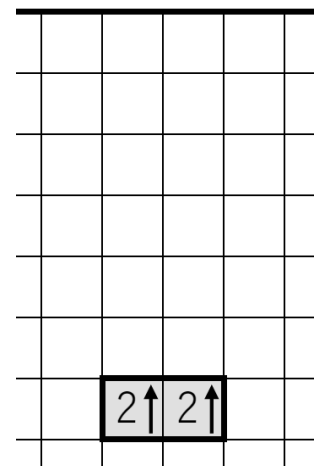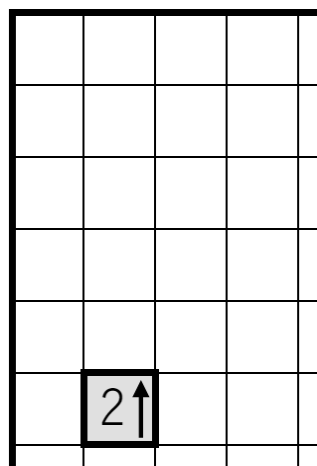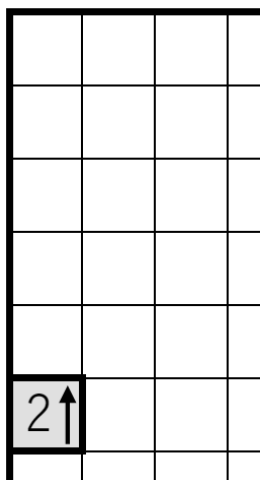
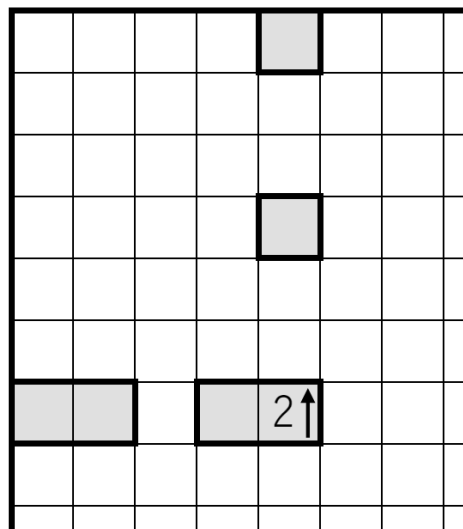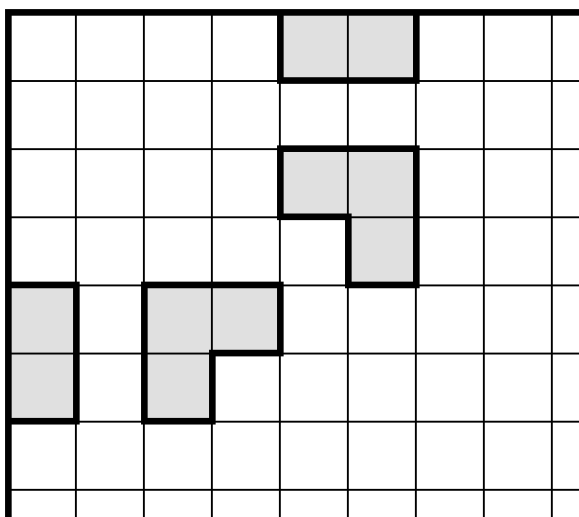**Example** Note that not all shaded cells need to be clued.
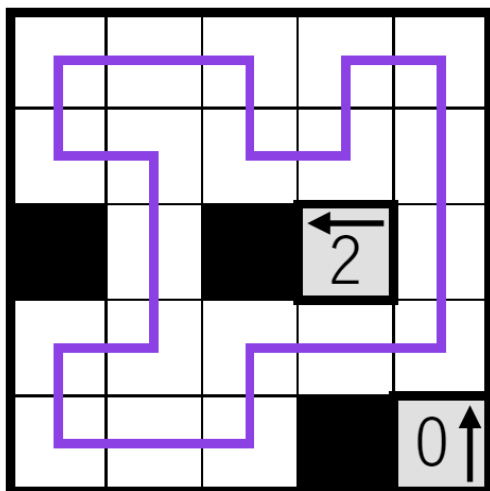
Puzzle 1 (by Kaz)
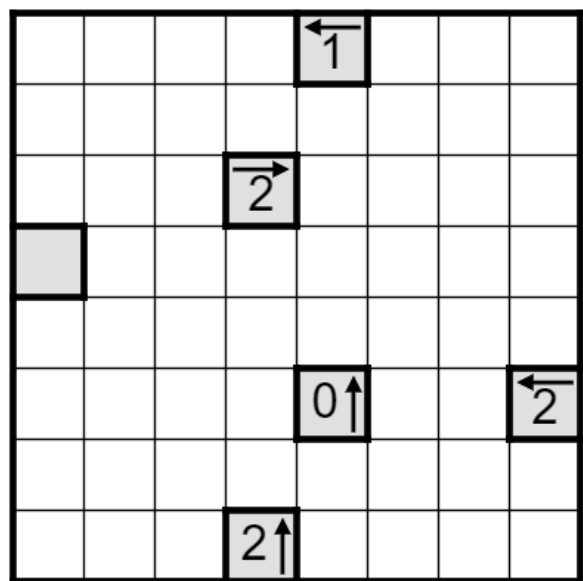
Techniques with large clues

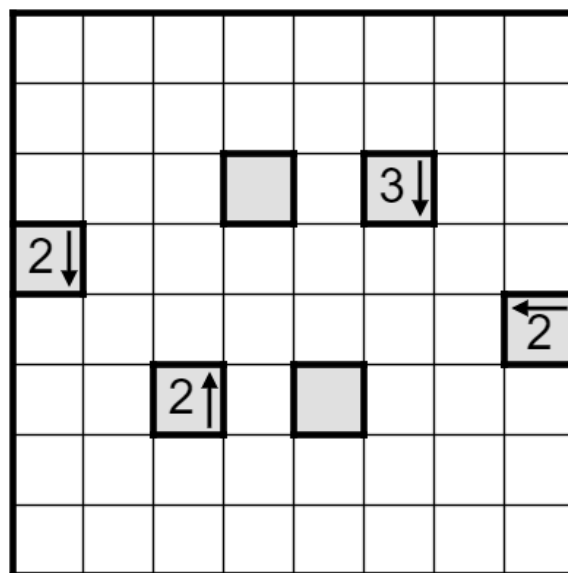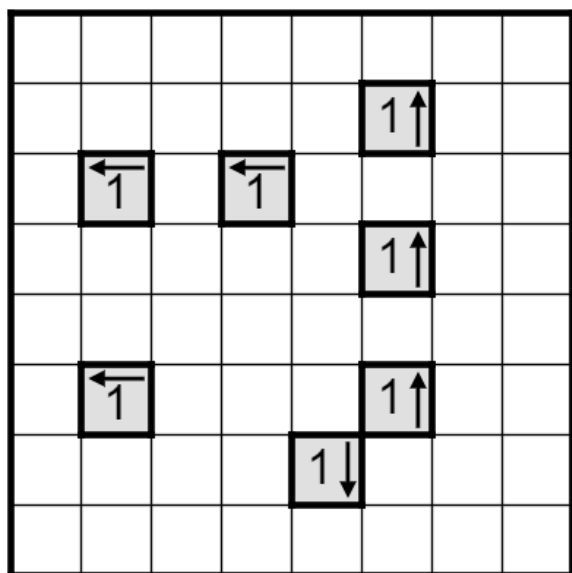**Important technique: Entrance counting**

For any region, the loop enters it some number of times, and exits it the same number of times. Therefore the number of entrances into a region must be even!
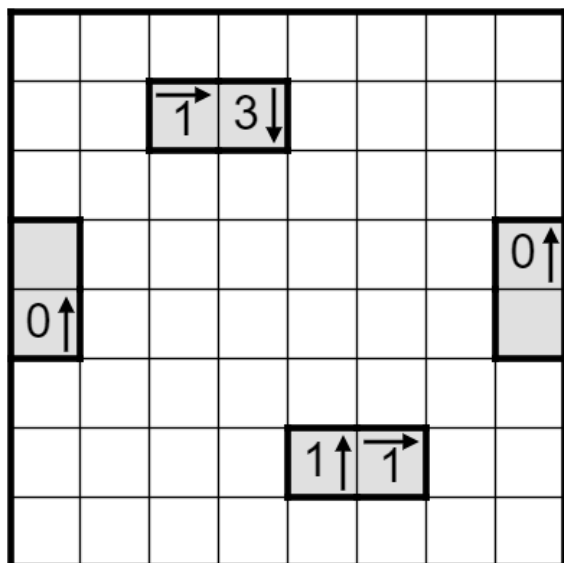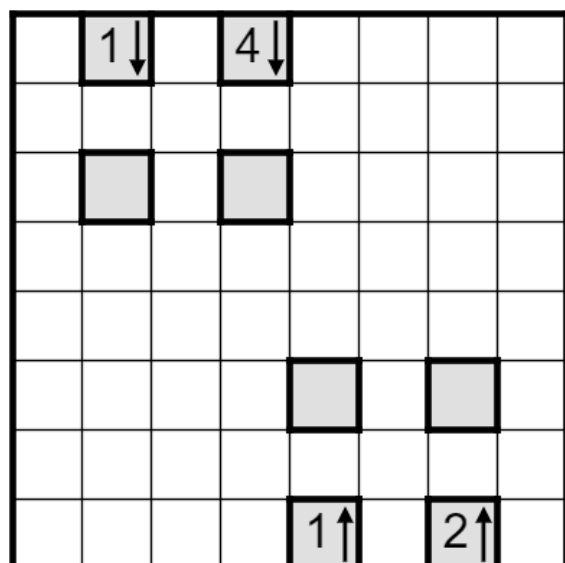
Now it's your turn! Try to complete 3 puzzles.

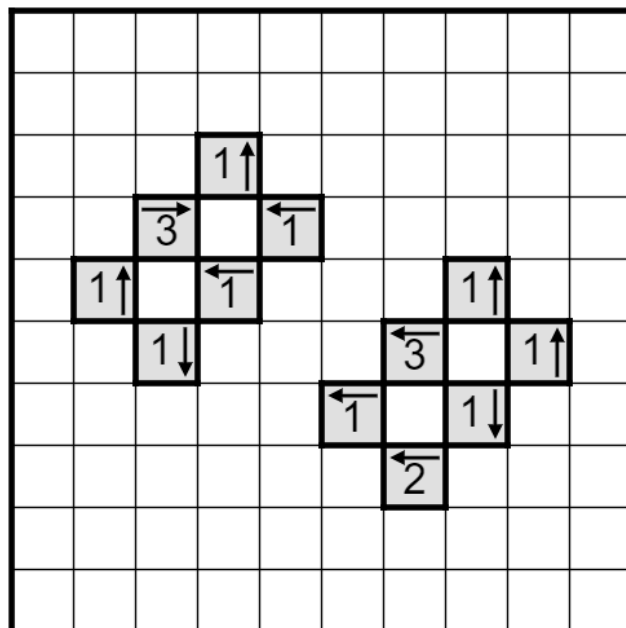Puzzle 2 (by Kaz) 🌶   Puzzle 3 (by Kaz) 🌶
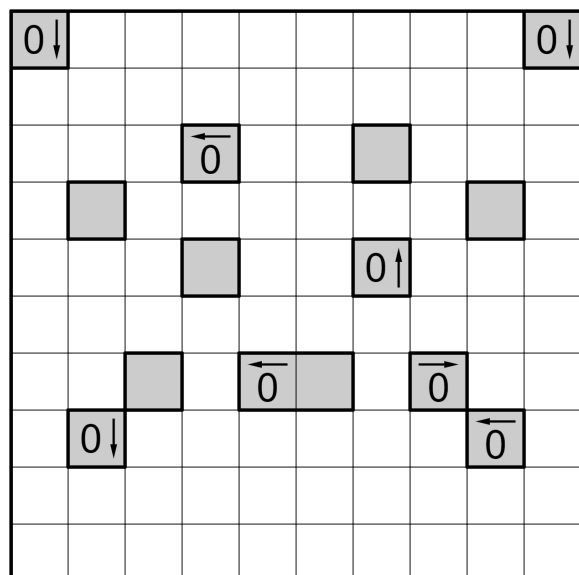
Puzzle 4 (by Kaz) 🌶️🌶️
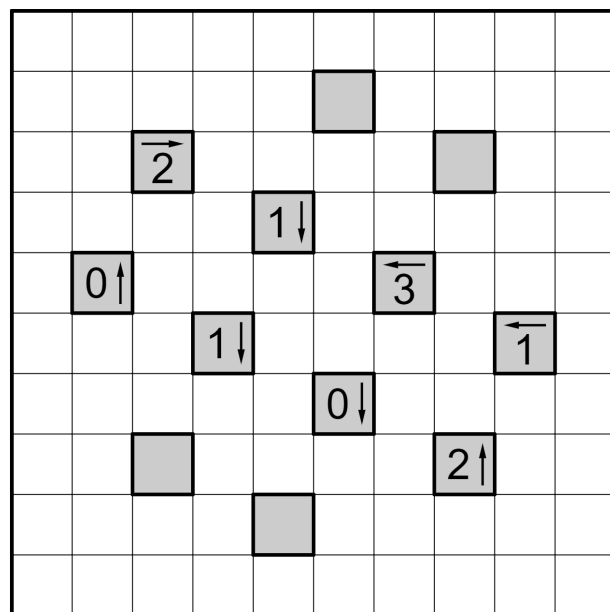
Puzzle 5 (by Kaz) 🌶️🌶️🌶️

Puzzle 6 (by Kaz) 🌶️🌶️🌶️
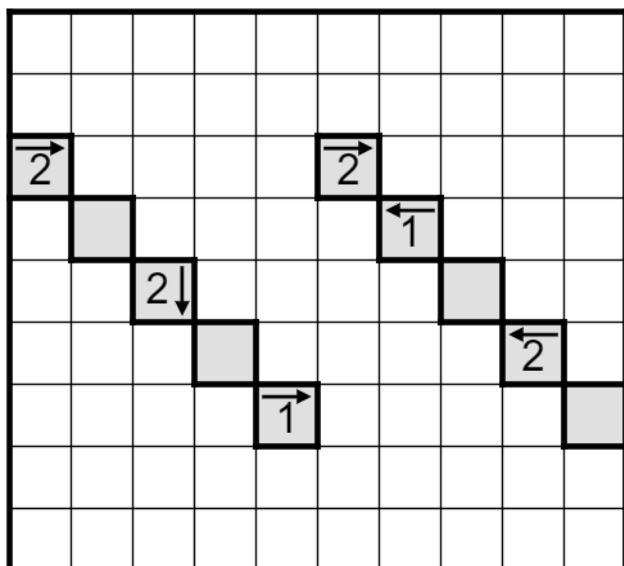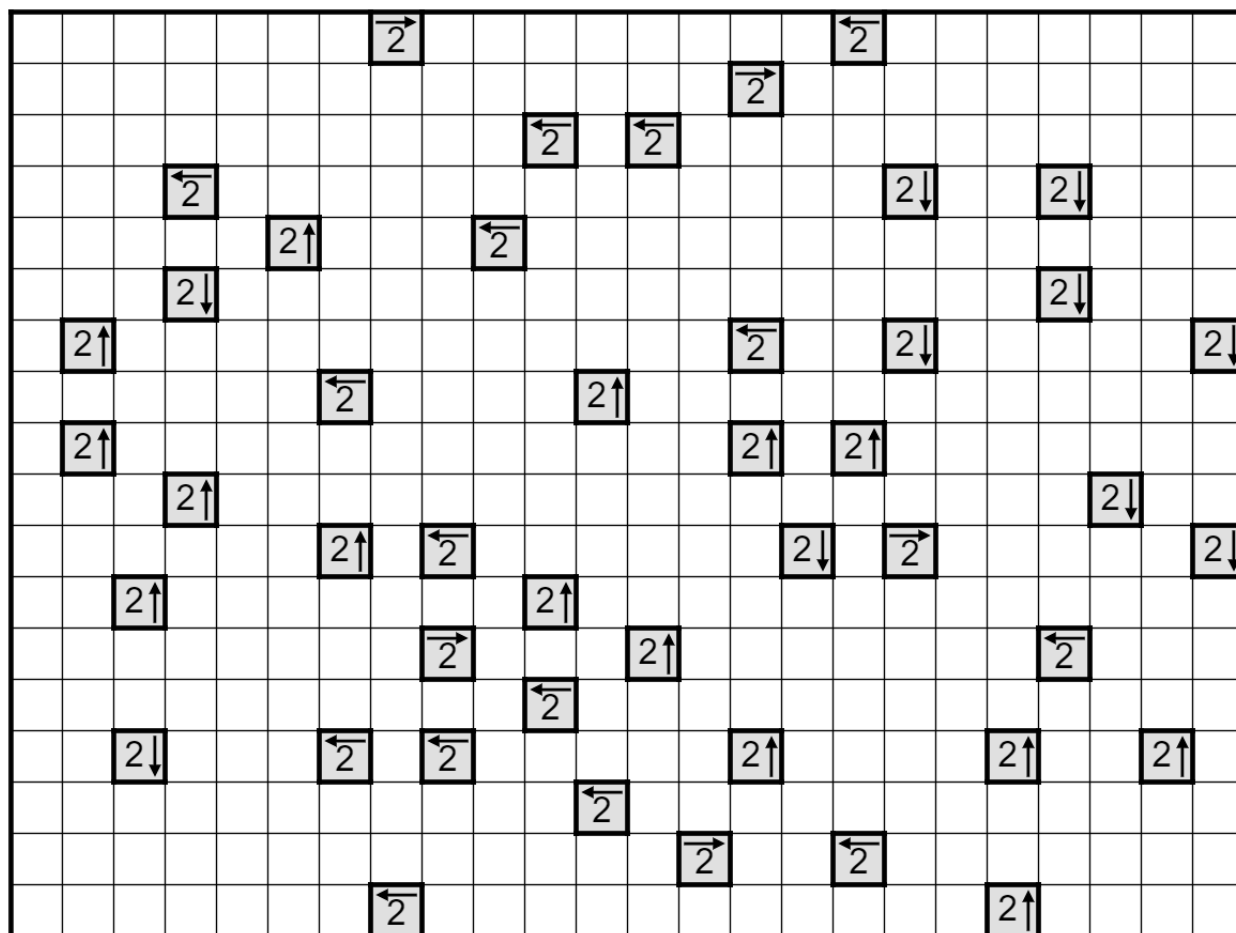
Puzzle 7 (by Kaz) 🌶️🌶️🌶️
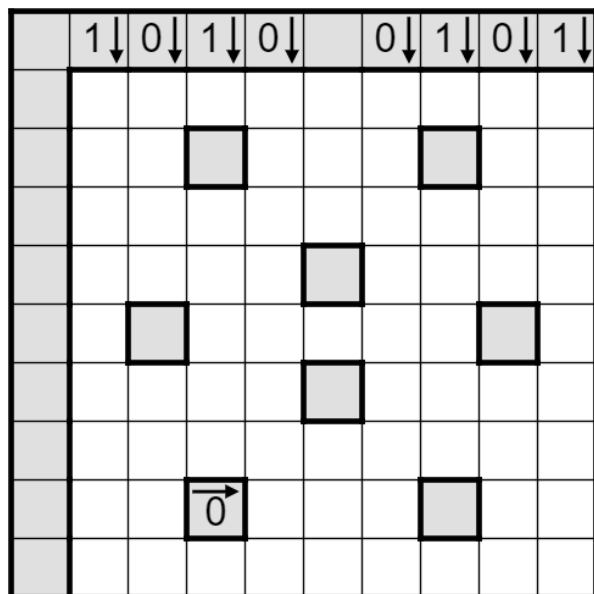
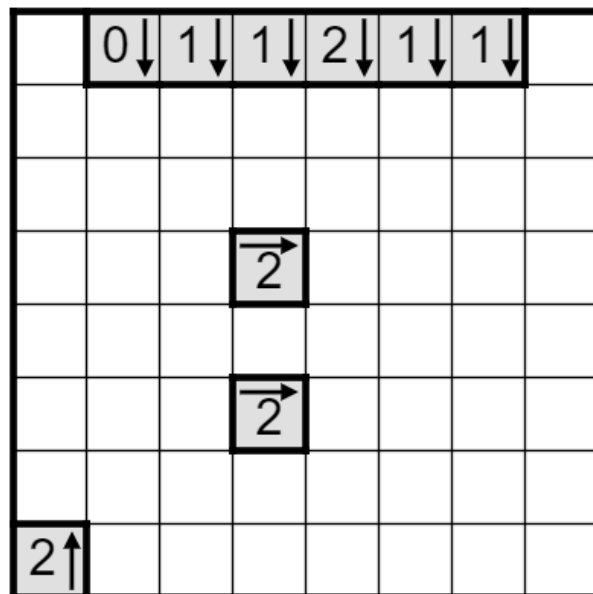## Puzzle 8 (by IHNN) 🌶️🌶️🌶️

Puzzle 9 (by IHNN) 🌶️🌶️🌶️🌶️
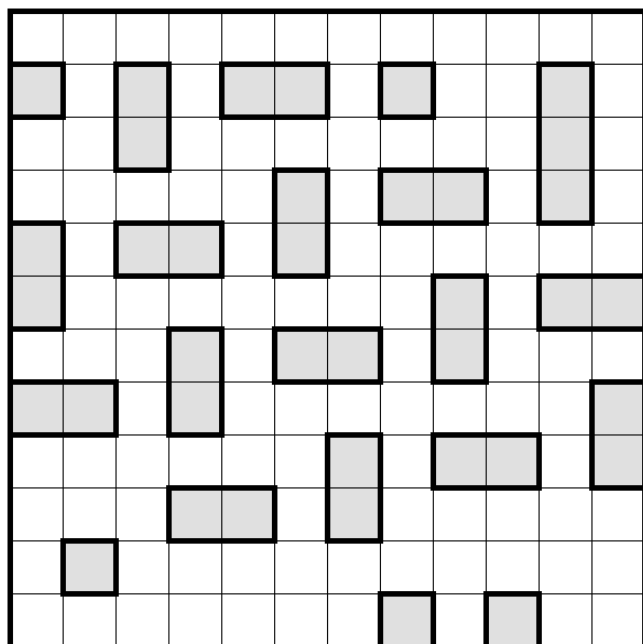
Puzzle 10 (by djmathman) 🌶️🌶️🌶️🌶️

Puzzle 11 (by wen) 🌶️🌶️🌶️🌶️

Puzzle 12 (by CJK) 🌶️🌶️🌶️🌶️🌶️

Puzzle 13 (by SandWhichis) 🌶️🌶️🌶️🌶️

Puzzle 14 (by TheGreatEscaper) 🌶️🌶️🌶️🌶️
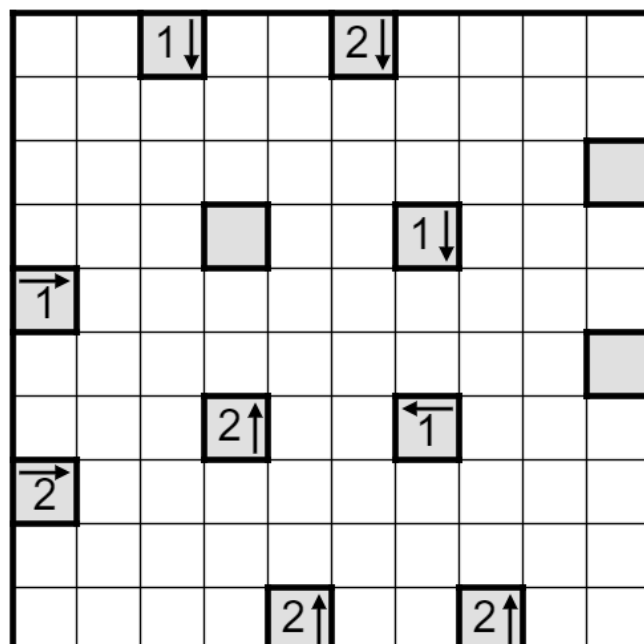
Puzzle 15 (by IHNN)
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Puzzle 16 (by IHNN)
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