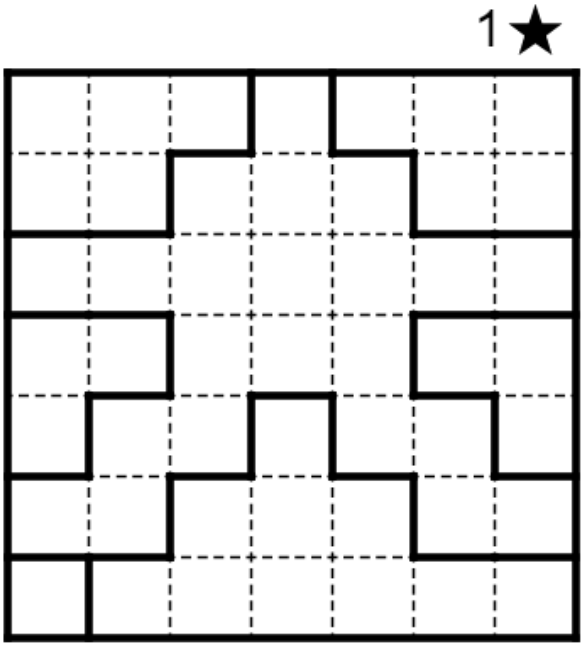
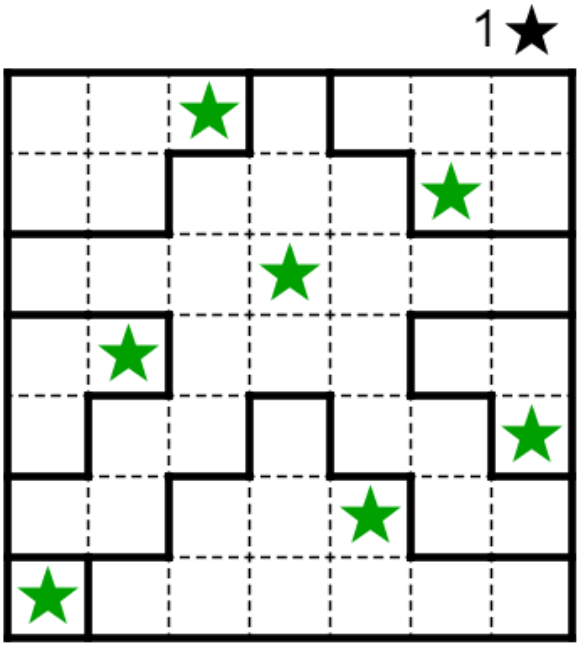
Introduction + Star Battles

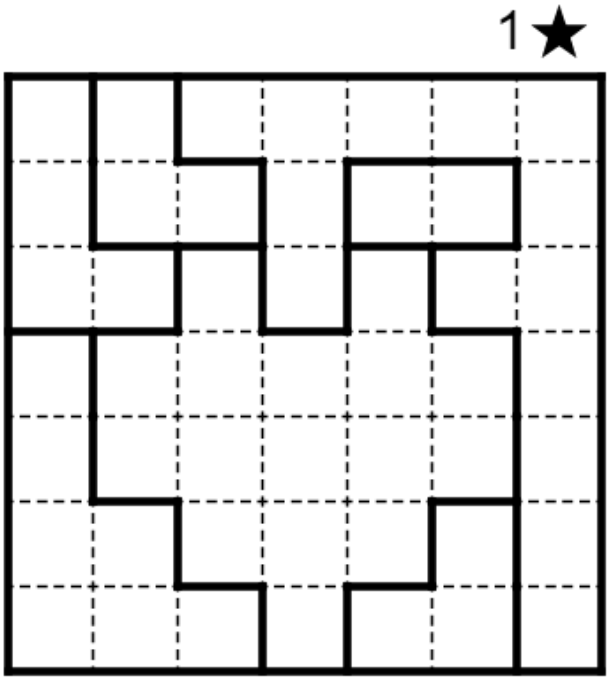
Course materials: I will email the lecture slides and links to puzzles after each class. I will also email the syllabus.
Contacting me: See the email I sent.

Star Battle rules: Place 1 star in each row and column. No two stars are touching (horizontally, vertically, or diagonally). Each region has exactly 1 star.
Example puzzle and solution:

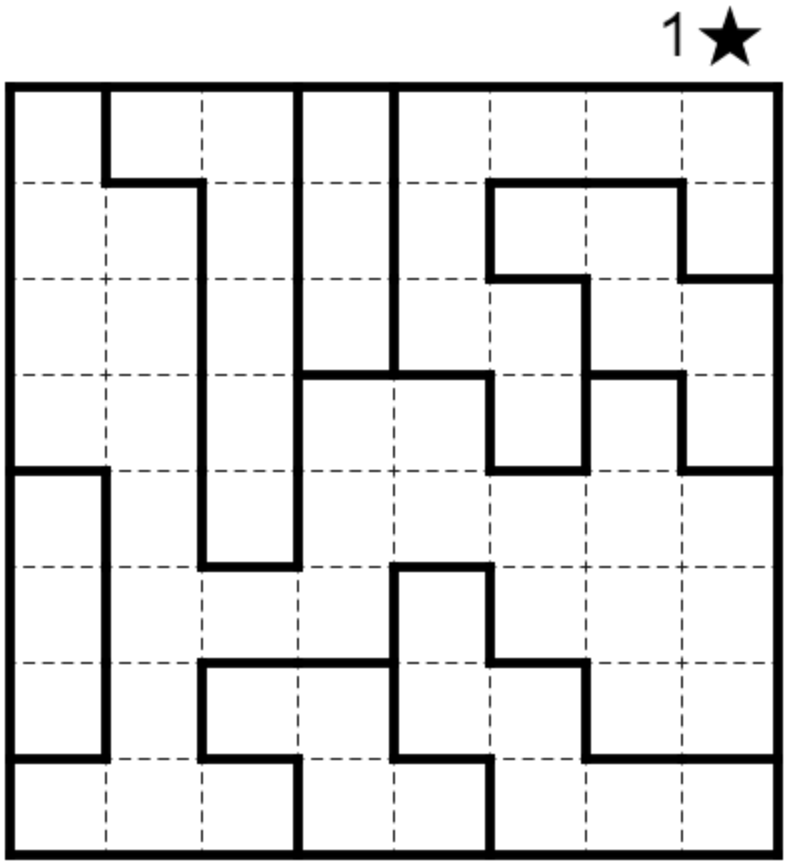




Puzzle 1 (by Kaz)

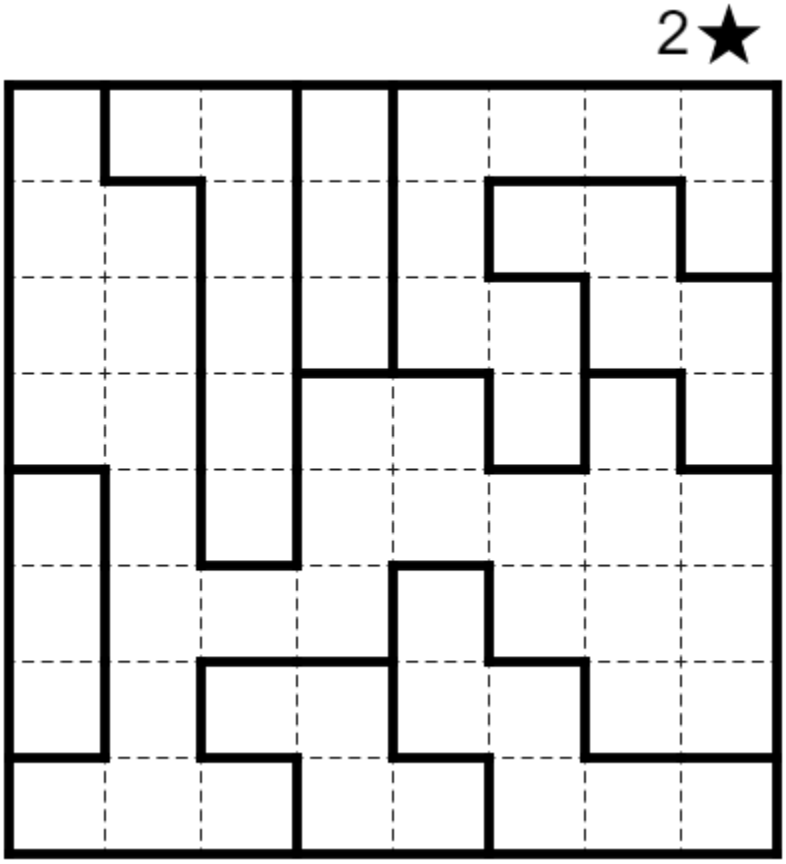


Puzzle 2 (by fff_create)

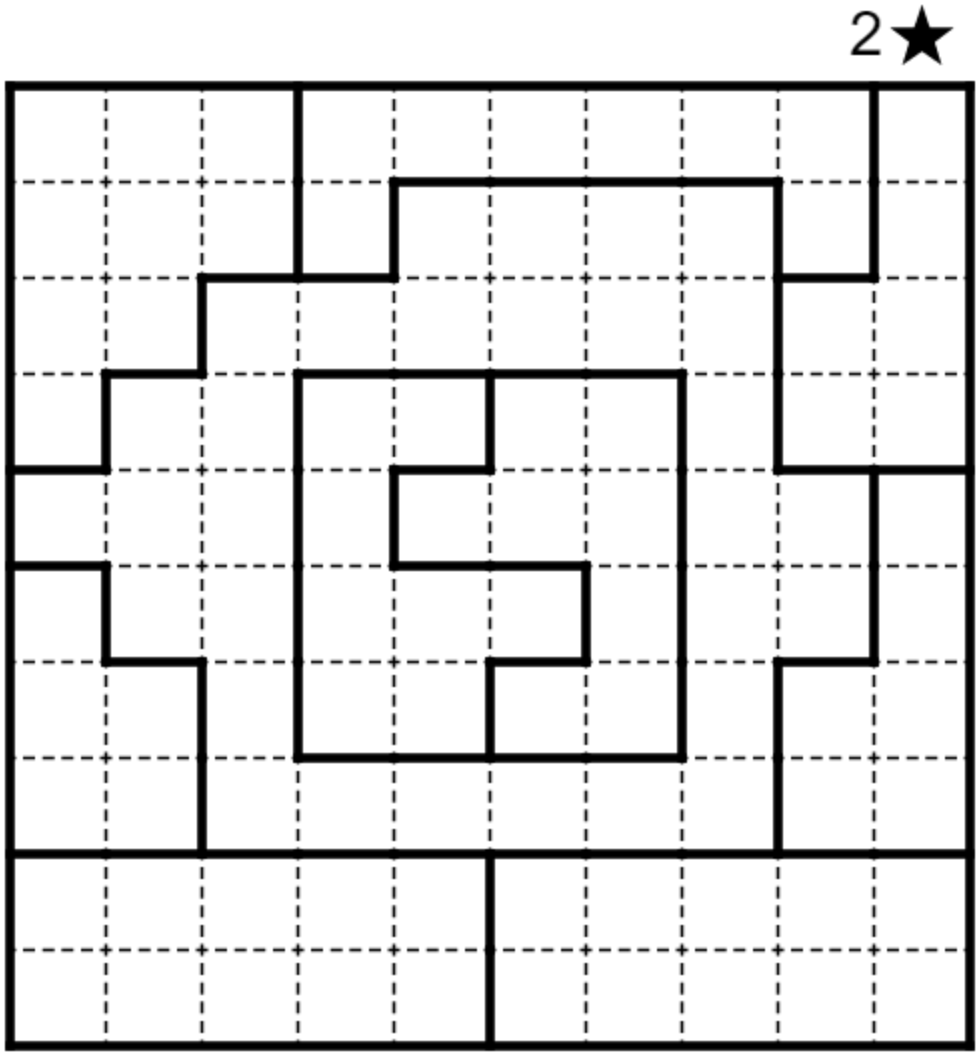


Puzzle 3 (by fff_create)

The number at the top right tells how many stars to put in each row, column, and region!



Puzzle 4 (by Draknek)



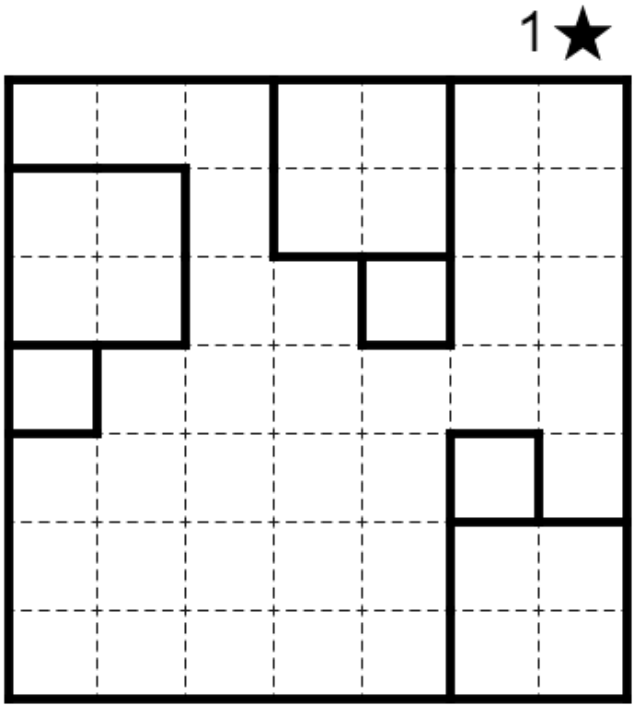
Tips

- Work at your own pace!
  - This isn't a speed contest (unless you want it to be)
  - Skill comes with **experience** with logic puzzles and similar activities
  - Everybody can solve any puzzle on this handout, given enough time/effort
- All the puzzles on this handout can be solved without guessing!
  - It's okay to guess
  - (although I personally find solving logically more fun)
- Notation!
  - Use whatever notation you understand best
  - e.g. Write ❌ (or some other symbol) when a cell doesn't have a star
  - Mark when a 1x2 or 2x2 area contains a star
  - Analyze a row (or groups of rows) (or columns)

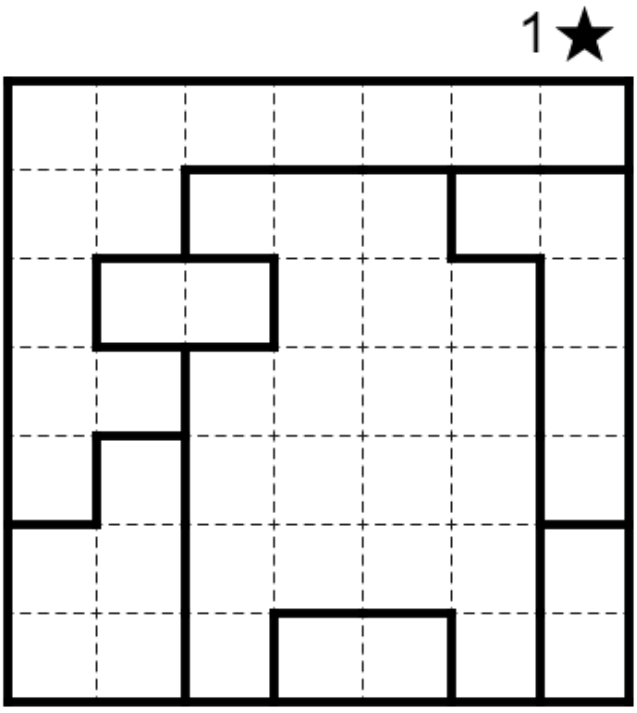
Now it's your turn! Classwork/homework: Complete 3 puzzles.

The amount of 🌶️ is a *very rough* indication of difficulty. For example puzzle 5 is objectively easier than puzzle 6, yet both have only one 🌶️. Sounds like whoever made this handout did a poor job.

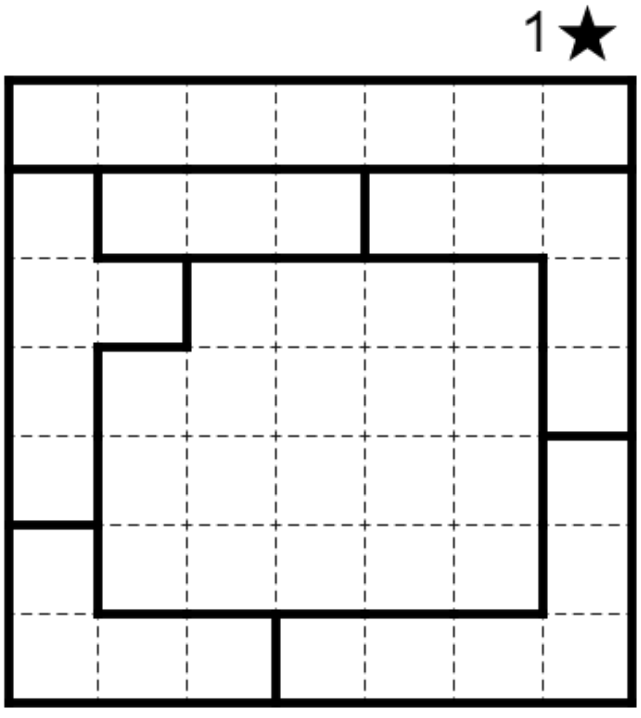
Puzzle 5 (by Kaz) 🌶️



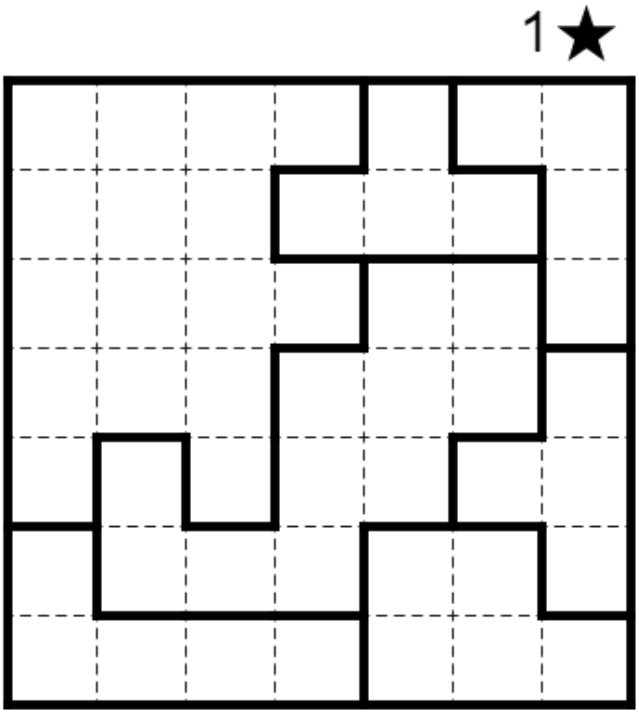
Puzzle 6 (by Kaz, inspired by Sam Chen) 🌶️



Puzzle 7 (by Kaz) 🌶️🌶️

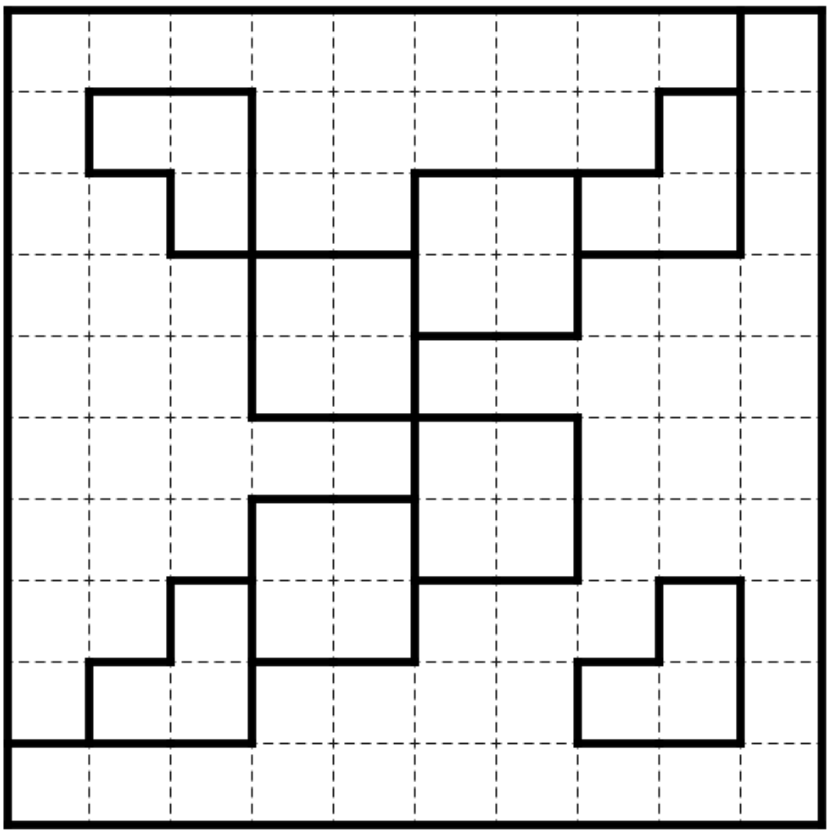


Puzzle 8 (by Kaz) 🌶️🌶️🌶️



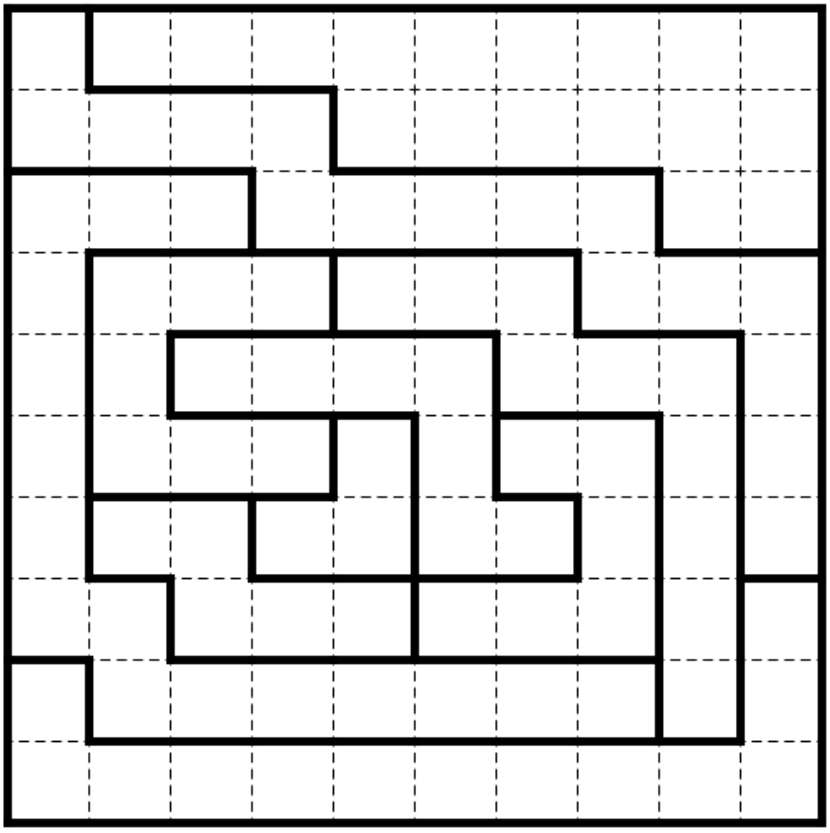
Puzzle 9 (by m98561442) 🌶🌶

1★



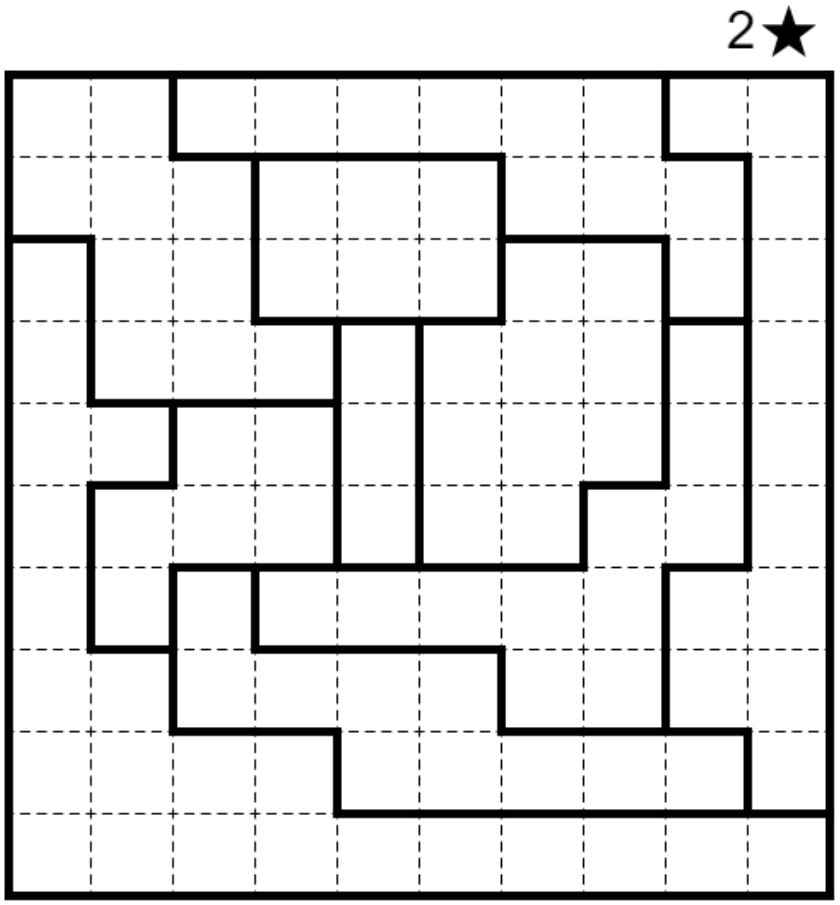
Puzzle 10 (by Kaz) 🌶🌶🌶

1★

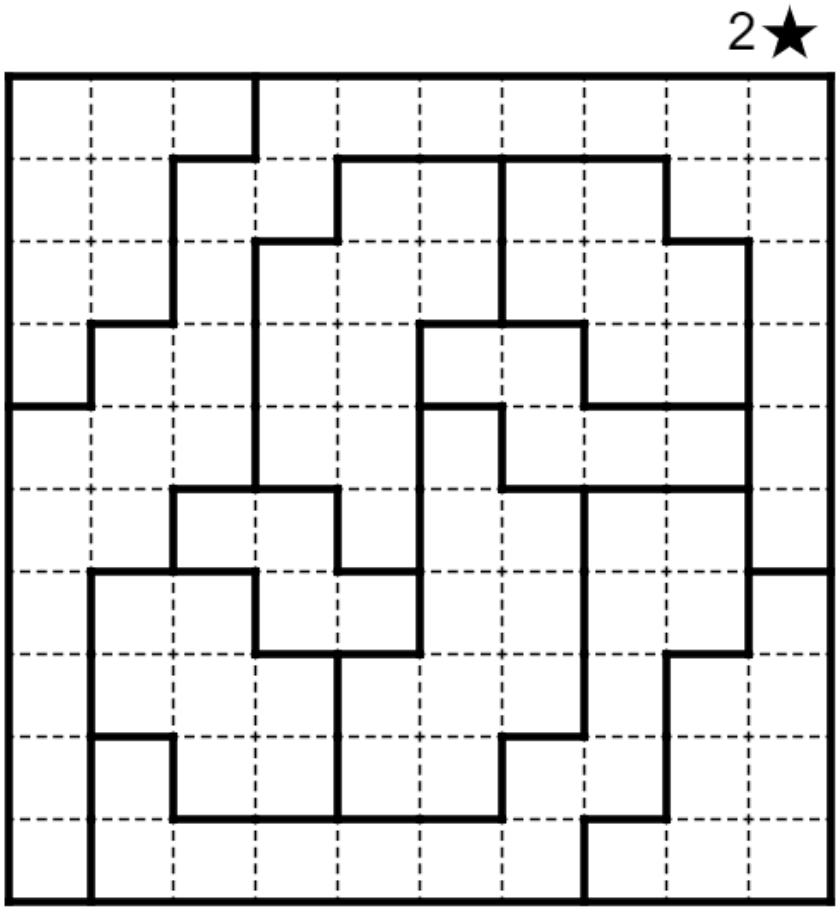


Puzzle 11 (by potechi1104) 🌶️🌶️

Now it's time to place **two** stars in every row, column, and region!

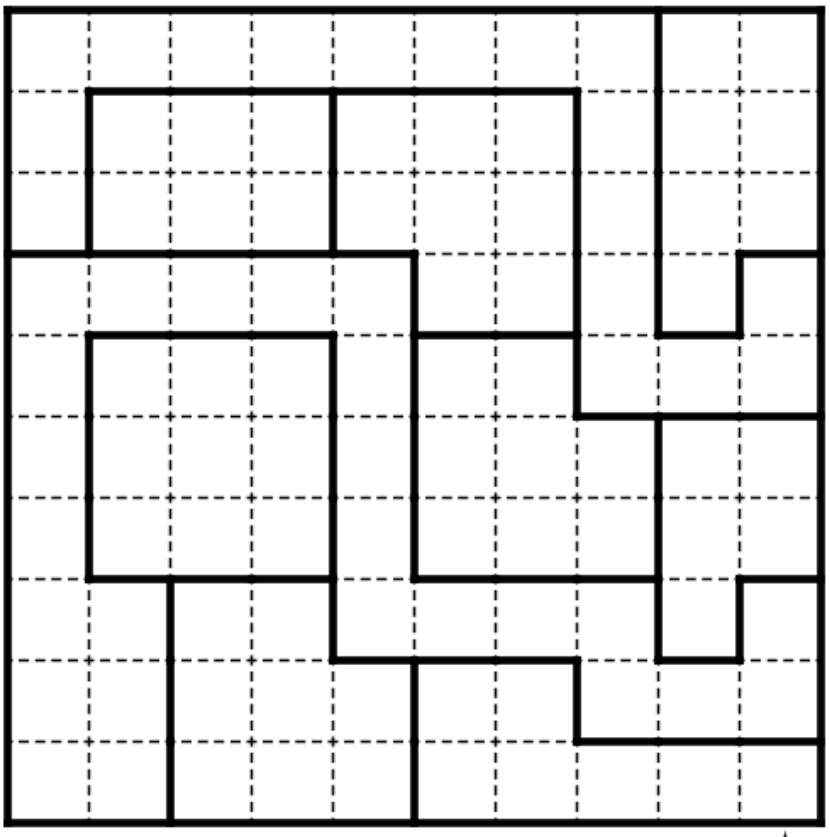


Puzzle 12 (by Walker Anderson) 🌶️🌶️🌶️



Puzzle 13 (by Kaz) 🌶🌶🌶

2★



Puzzle 14 (by QUad_R_ANgle)
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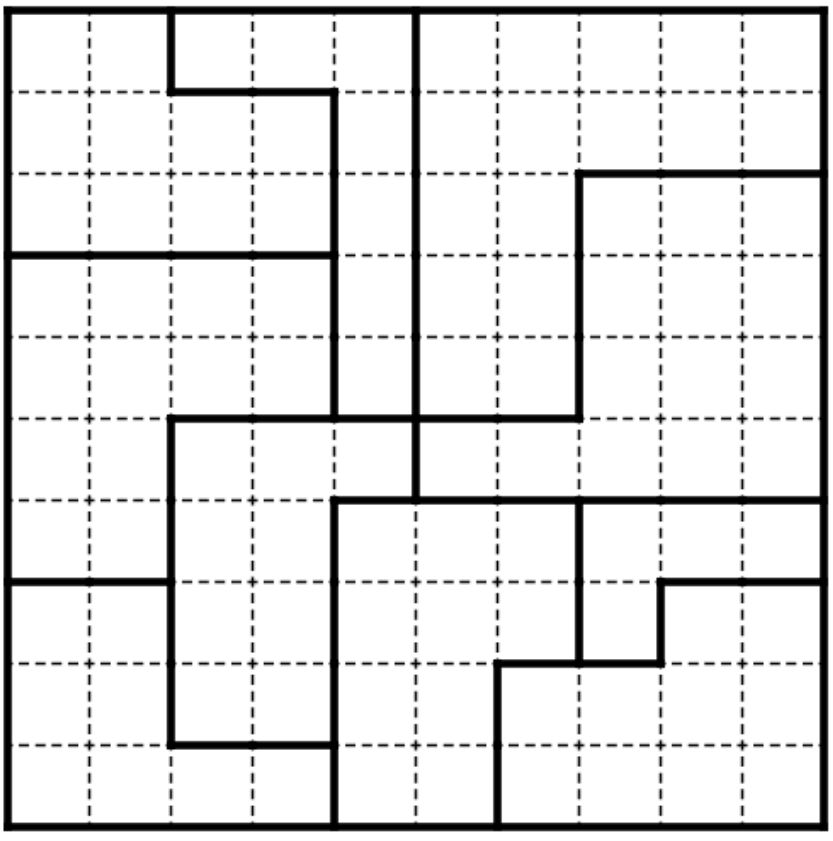
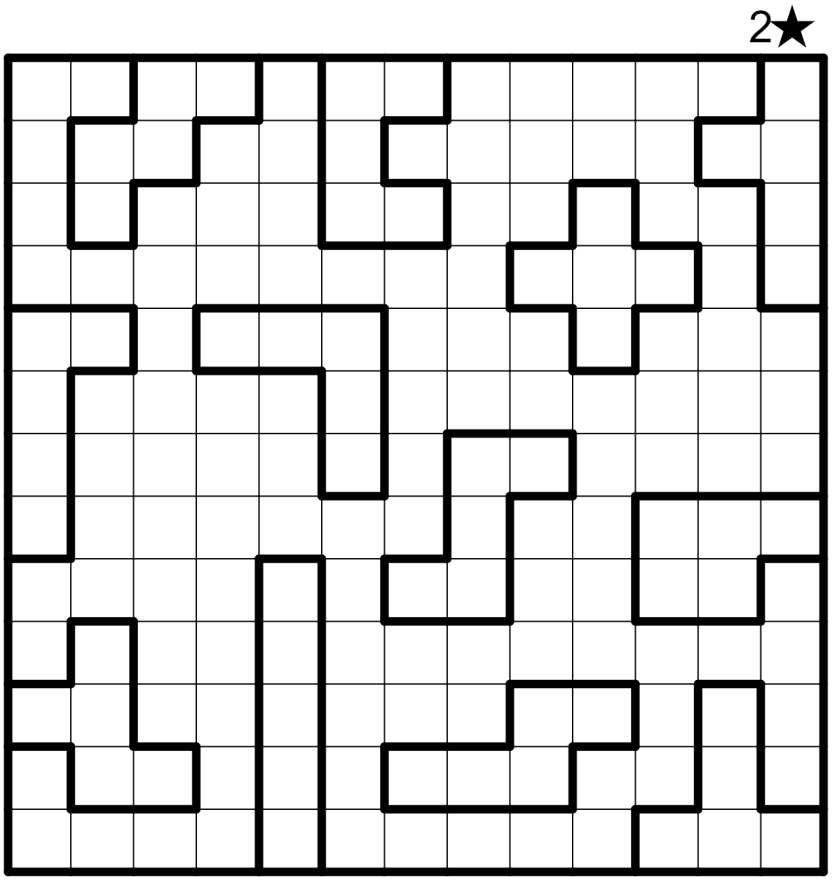
2★



Puzzle 15 (by Carl Worth)

🌶🌶🌶



Puzzle 16 (by Phistomefel)

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