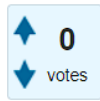


Snake - A through Y on a 5 x 5 grid



You are given a 5 x 5 grid, and this grid should hold the letters A through Y. Some of the cells in the grid are already filled out. The others can go anywhere, but the constraint is that adjacent letters (for example F and G) must be adjacent to each other, either horizontally or vertically.

```
- - - - Y
R A - - -
- - - - -
- E - - -
- - - - K
```

Design a solution for this constraint satisfaction problem. (Solution should explain the variables, the domain values, the constraints, and how the constraint propagation would work.)