


# LEVEL 4



A pixel art illustration of a tournament arena. In the foreground, a man with a large black mustache, wearing a red shirt and blue pants, holds a megaphone. In the background, a crowd of fighters is gathered in a dirt arena, with a traditional Chinese building and mountains in the distance.

**Shady Businessman:** Now all rounds of a tournament will be held, until only one fighter is left, and I need this final winner to be a scissors fighter.

**Your task:**

Generate the initial pairings of each tournament so that the final winner will be a scissors fighter.



- Now all rounds of the tournament will be held, not only the first two rounds.
- **Generate the initial pairings of a tournament so that the final winner will be a scissors fighter.**
- It is guaranteed that there is at least one solution.
- There are multiple correct solutions.



|         | Input   | Output  |
|---------|---|---|
| Format  | N M<br>amountR amountP amountS<br>(repeated N times)  | fightingStyles<br>(repeated N times)                        |
| Types   | N (int): number of tournaments<br>M (int): number of fighters in the tournament<br>(will always be a power of 2)<br>amount (int): the number of fighters of this<br>style that will participate in the tournament | fightingStyles (string): the<br>pairings of the first round |
| Example | 3 16<br>5R 5P 6S<br>4R 4P 8S<br>11R 3P 2S   | PPRRRPRRSSSSSSPP<br>RPRRPPRPSSSSSSSS<br>RRRRRPRRSSRPRRPR    |

*The input and output format is identical to the previous level*



# Rock, Paper, Scissors

Fight well Coders!

Beat the Game!



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CONTEST

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