

PROBLEM 4: The More the Merrier

[10 points]

This game is just TOO much fun to keep it to ourselves! Let's let a few other people play.

Input


- Integer N representing the number of players.
- Remaining lines are the same as in Problem 3 with the exception that you should expect N lines of player hands

Processing

Same as in Problem 3 with the exception that you must consider play of N (as read in from input) players.

Output format

Same as in Problem 3.

HINT: Start from Problem 3 and modify... 

Sample input	Sample output	New hand after play
4 R2 Y8 G6 G7 G8 R7 Y3 Y6 B2 B4 R6 R8 Y1 B1 B5 R1 R3 R5 Y7 B6 B7 G1 G3 Y2 G2 B8 Y4 ... R4 G8 B3 G5 Y5 (Note that if ALL of the draw cards have been used. At some point, DRAW and a TAKE TWO act more like skipped turn. Output remains the same.)	0: B7 1: G7 2: R7 3: R8 LOCO R 4: R1 1: R2 2: B2 3: TAKE TWO 4: B6 1: G6 2: Y6 3: Y1 4: Y7 1: Y8 LOCO G 2: DRAW 3: G1 4: DRAW 1: G4 (WINNER)	-- 1: R2 Y8 G4 G6 G7 2: R7 Y3 Y6 B2 B4 3: R6 R8 Y1 B1 B5 4: R1 R3 R5 Y7 B6 1: R2 Y8 G6 G8 2: Y3 Y6 B2 B4 3: R6 Y1 <u>G1</u> <u>G3</u> B1 B5 4: R3 R5 Y7 B6 1: Y8 G4 G6 2: Y3 Y6 B4 3: R6 Y1 G1 G3 B1 B5 4: R3 R5 Y7 1: Y8 G4 2: <u>Y2</u> Y3 B4 3: R6 G1 G3 B1 B5 4: R3 R5 <u>G2</u> 1: G4