3238. Find the Number of Winning Players

Solved ●

Easy Topics Hint

You are given an integer n representing the number of players in a game and a 2D array $pick$ where $pick[i] = [x_i, y_i]$ represents that the player x_i picked a ball of color y_i.

Player i **wins** the game if they pick **strictly more** than i balls of the **same** color. In other words,

- Player 0 wins if they pick any ball.
- Player 1 wins if they pick at least two balls of the *same* color.
- ...
- Player i wins if they pick at least $i + 1$ balls of the *same* color.

Return the number of players who **win** the game.

Note that *multiple* players can win the game.

Example 1:

> **Input:** n = 4, pick = [[0,0],[1,0],[1,0],[2,1],[2,1],[2,0]]
>
> **Output:** 2
>
> **Explanation:**
>
> Player 0 and player 1 win the game, while players 2 and 3 do not win.

Example 2:

> **Input:** n = 5, pick = [[1,1],[1,2],[1,3],[1,4]]
>
> **Output:** 0
>
> **Explanation:**
>
> No player wins the game.

Example 3:

> **Input:** n = 5, pick = [[1,1],[2,4],[2,4],[2,4]]
>
> **Output:** 1
>
> **Explanation:**
>
> Player 2 wins the game by picking 3 balls with color 4.

Constraints:

- $2 <= n <= 10$
- $1 <= pick.length <= 100$
- $pick[i].length == 2$
- $0 <= x_i <= n - 1$
- $0 <= y_i <= 10$

Seen this question in a real interview before? 1/5

Yes No

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Topics

Hint 1

Hint 2

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