3222. Find the Winning Player in Coin Game

Solved ●

Easy Hint

You are given two **positive** integers `x` and `y`, denoting the number of coins with values 75 and 10 *respectively*.

Alice and Bob are playing a game. Each turn, starting with **Alice**, the player must pick up coins with a **total** value 115. If the player is unable to do so, they **lose** the game.

Return the *name* of the player who wins the game if both players play **optimally**.

Example 1:

> **Input:** x = 2, y = 7
>
> **Output:** "Alice"
>
> **Explanation:**
>
> The game ends in a single turn:
>
> - Alice picks 1 coin with a value of 75 and 4 coins with a value of 10.

Example 2:

> **Input:** x = 4, y = 11
>
> **Output:** "Bob"
>
> **Explanation:**
>
> The game ends in 2 turns:
>
> - Alice picks 1 coin with a value of 75 and 4 coins with a value of 10.
> - Bob picks 1 coin with a value of 75 and 4 coins with a value of 10.

Constraints:

- `1 <= x, y <= 100`

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

Yes No

Accepted 27.1K Submissions 57K Acceptance Rate 47.6%

Hint 1

Hint 2

Hint 3

Similar Questions

Discussion (9)