

# Problem 3222: Find the Winning Player in Coin Game

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 52.60%

**Paid Only:** No

**Tags:** Math, Simulation, Game Theory

## Problem Description

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`

## Code Snippets

### C++:

```
class Solution {  
public:  
    string winningPlayer(int x, int y) {  
  
    }  
};
```

### Java:

```
class Solution {  
public String winningPlayer(int x, int y) {  
  
    }  
}
```

### Python3:

```
class Solution:  
    def winningPlayer(self, x: int, y: int) -> str:
```