

6341. Determine the Winner of a Bowling Game

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You are given two **0-indexed** integer arrays `player1` and `player2`, that represent the number of pins that player 1 and player 2 hit in a bowling game, respectively.

The bowling game consists of `n` turns, and the number of pins in each turn is exactly `10`.

Assume a player hit `xi` pins in the `ith` turn. The value of the `ith` turn for the player is:

- `2xi` if the player hit `10` pins in any of the previous two turns.
- Otherwise, It is `xi`.

The score of the player is the sum of the values of their `n` turns.

Return

- `1` if the score of player 1 is more than the score of player 2,
- `2` if the score of player 2 is more than the score of player 1, and
- `0` in case of a draw.

User Accepted:	13
User Tried:	57
Total Accepted:	13
Total Submissions:	59
Difficulty:	Easy

Example 1:

Input: `player1 = [4,10,7,9], player2 = [6,5,2,3]`
Output: `1`
Explanation: The score of player1 is `4 + 10 + 2*7 + 2*9 = 46`.
The score of player2 is `6 + 5 + 2 + 3 = 16`.
Score of player1 is more than the score of player2, so, player1 is the winner, and the answer is 1.

Example 2:

Input: `player1 = [3,5,7,6], player2 = [8,10,10,2]`
Output: `2`
Explanation: The score of player1 is `3 + 5 + 7 + 6 = 21`.
The score of player2 is `8 + 10 + 2*10 + 2*2 = 42`.
Score of player2 is more than the score of player1, so, player2 is the winner, and the answer is 2.

Example 3:

Input: `player1 = [2,3], player2 = [4,1]`
Output: `0`
Explanation: The score of player1 is `2 + 3 = 5`
The score of player2 is `4 + 1 = 5`
The score of player1 equals to the score of player2, so, there is a draw, and the answer is 0.

Constraints:

- `n == player1.length == player2.length`
- `1 <= n <= 1000`
- `0 <= player1[i], player2[i] <= 10`

JavaScript

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```
1 const isWinner = (a, b) => {
2   let ra = cal(a), rb = cal(b);
3   return ra == rb ? 0 : ra > rb ? 1 : 2;
4 };
5
6 const cal = (a) => {
7   let n = a.length, res = 0;
8   a.map((x, i) => {
9     if ((i-1 >= 0 && a[i-1] == 10) || (i-2 >= 0 && a[i-2] == 10)) {
```

```
10         res += 2 * x;  
11     } else {  
12         res += x;  
13     }  
14     });  
15     return res;  
16 };
```

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