

1535. Find the Winner of an Array Game

Hint 


Medium



 775

 38



 Companies

Given an integer array `arr` of **distinct** integers and an integer `k`.

A game will be played between the first two elements of the array (i.e. `arr[0]` and `arr[1]`). In each round of the game, we compare `arr[0]` with `arr[1]`, the larger integer wins and remains at position `0`, and the smaller integer moves to the end of the array. The game ends when an integer wins `k` consecutive rounds.

Return *the integer which will win the game*.

It is **guaranteed** that there will be a winner of the game.

Example 1:

Input: `arr = [2,1,3,5,4,6,7], k = 2`

Output: 5

Explanation: Let's see the rounds of the game:

Round	arr	winner	win count
1	[2, 1, 3, 5, 4, 6, 7]	3	1
2	[1, 3, 5, 4, 6, 7, 2]	3	2

Code

```
class Solution {
    func getWinner(_ brr: [Int], _ k: Int) -> Int {

        if(k > brr.count-1) {
            return brr.max() ?? 0
        }

        var count = 0
        var arr = brr
        var a = arr[0]
        while (count < k){
            var b = arr[1]
            if(a<b){
                count = 1
                arr.remove(at: 0)
                arr.append(a)
                a = b
            }
        }
        return a
    }
}
```

```
        } else {
            count = count + 1
            arr.remove(at: 1)
            arr.append(b)
        }
    }
    return a
}
}
```