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] | 2 | 1  
 2 | [2,3,5,4,6,7,1] | 3 | 1  
 3 | [3,5,4,6,7,1,2] | 5 | 1  
 4 | [5,4,6,7,1,2,3] | 5 | 2  
So we can see that 4 rounds will be played and 5 is the winner because it wins 2 consecutive games.

**Example 2:**

Input: arr = [3,2,1], k = 10  
Output: 3  
Explanation: 3 will win the first 10 rounds consecutively.

**Constraints:**

* 2 <= arr.length <= 105
* 1 <= arr[i] <= 106
* arr contains **distinct** integers.
* 1 <= k <= 109