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.

**Example 3:**

**Input:** arr = [1,9,8,2,3,7,6,4,5], k = 7

**Output:** 9

**Example 4:**

**Input:** arr = [1,11,22,33,44,55,66,77,88,99], k = 1000000000

**Output:** 99

**Constraints:**

* 2 <= arr.length <= 10^5
* 1 <= arr[i] <= 10^6
* arr contains **distinct** integers.
* 1 <= k <= 10^9