1121. Divide Array Into Increasing Sequences

Description

Given an integer array `nums` sorted in non-decreasing order and an integer `k`, return `true` *if this array can be divided into one or more disjoint increasing subsequences of length at least* `k` *, or* `false` *otherwise*.

Example 1:

```
Input: nums = [1,2,2,3,3,4,4], k = 3
Output: true
Explanation: The array can be divided into two subsequences [1,2,3,4] and [2,3,4] with lengths at least 3 each.
```

Example 2:

```
Input: nums = [5,6,6,7,8], k = 3
Output: false
Explanation: There is no way to divide the array using the conditions required.
```

Constraints:

- $1 <= k <= nums.length <= 10^5$
- $1 <= nums[i] <= 10^5$
- `nums` is sorted in non-decreasing order.