1566. Detect Pattern of Length M Repeated K or More Times

Description

Given an array of positive integers `arr`, find a pattern of length `m` that is repeated `k` or more times.

A **pattern** is a subarray (consecutive sub-sequence) that consists of one or more values, repeated multiple times **consecutively** without overlapping. A pattern is defined by its length and the number of repetitions.

Return `true` *if there exists a pattern of length* `m` *that is repeated* `k` *or more times, otherwise return* `false`.

Example 1:

```
Input: arr = [1,2,4,4,4,4], m = 1, k = 3
Output: true
Explanation: The pattern (4) of length 1 is repeated 4 consecutive times. Notice that pattern can be repeated k or more times but not less.
```

Example 2:

```
Input: arr = [1,2,1,2,1,1,1,3], m = 2, k = 2
Output: true
Explanation: The pattern (1,2) of length 2 is repeated 2 consecutive times. Another valid pattern (2,1) is also repeated 2 times.
```

Example 3:

```
Input: arr = [1,2,1,2,1,3], m = 2, k = 3
Output: false
Explanation: The pattern (1,2) is of length 2 but is repeated only 2 times. There is no pattern of length 2 that is repeated 3 or more times.
```

Constraints:

- `2 <= arr.length <= 100`
- `1 <= arr[i] <= 100`
- `1 <= m <= 100`
- `2 <= k <= 100`