You are given a string s and an integer k.

Determine if there exists a

substring

of length **exactly** k in s that satisfies the following conditions:

1. The substring consists of **only one distinct character** (e.g., "aaa" or "bbb").
2. If there is a character **immediately before** the substring, it must be different from the character in the substring.
3. If there is a character **immediately after** the substring, it must also be different from the character in the substring.

Return true if such a substring exists. Otherwise, return false.

Example 1:

Input: s = "aaabaaa", k = 3

Output: true

Explanation:

The substring s[4..6] == "aaa" satisfies the conditions.

- It has a length of 3.
- All characters are the same.
- The character before "aaa" is 'b', which is different from 'a'.
- There is no character after "aaa".

Example 2:

Input: s = "abc", k = 2

Output: false

Explanation:

There is no substring of length 2 that consists of one distinct character and satisfies the conditions.

Constraints:

- 1 <= k <= s.length <= 100

- s consists of lowercase English letters only.