Given a string s and an integer k, return true if s is a k**-palindrome**.

A string is k**-palindrome** if it can be transformed into a palindrome by removing at most k characters from it.

**Example 1:**

Input: s = "abcdeca", k = 2  
Output: true  
Explanation: Remove 'b' and 'e' characters.

**Example 2:**

Input: s = "abbababa", k = 1  
Output: true

**Constraints:**

* 1 <= s.length <= 1000
* s consists of only lowercase English letters.
* 1 <= k <= s.length