Given a string s and an integer k, return *the length of the longest substring of* s *such that the frequency of each character in this substring is greater than or equal to* k.

if no such substring exists, return 0.

**Example 1:**

Input: s = "aaabb", k = 3  
Output: 3  
Explanation: The longest substring is "aaa", as 'a' is repeated 3 times.

**Example 2:**

Input: s = "ababbc", k = 2  
Output: 5  
Explanation: The longest substring is "ababb", as 'a' is repeated 2 times and 'b' is repeated 3 times.

**Constraints:**

* 1 <= s.length <= 104
* s consists of only lowercase English letters.
* 1 <= k <= 105