Longest Substring with k or more than k repeating character

You are given a string s and an integer k, you have to find a substring such that all characters in substring have k or more than k occurrences.

Input:

The first line contains string s and the next line contains integer k.

Output:

Positive integer, representing length of longest output substring

Sample Input	Sample Output
aacc 2	4
aaccd 2	4
ccccddeeefff 2	6
ccccceeef 2	7