You are given a string s and a **positive** integer k.

Select a set of **non-overlapping** substrings from the string s that satisfy the following conditions:

* The **length** of each substring is **at least** k.
* Each substring is a **palindrome**.

Return *the* ***maximum*** *number of substrings in an optimal selection*.

A **substring** is a contiguous sequence of characters within a string.

**Example 1:**

Input: s = "abaccdbbd", k = 3  
Output: 2  
Explanation: We can select the substrings underlined in s = "abaccdbbd". Both "aba" and "dbbd" are palindromes and have a length of at least k = 3.  
It can be shown that we cannot find a selection with more than two valid substrings.

**Example 2:**

Input: s = "adbcda", k = 2  
Output: 0  
Explanation: There is no palindrome substring of length at least 2 in the string.

**Constraints:**

* 1 <= k <= s.length <= 2000
* s consists of lowercase English letters.