Given a string s, partition s such that every

substring

of the partition is a

palindrome

.

Return *the* ***minimum*** *cuts needed for a palindrome partitioning of* s.

**Example 1:**

Input: s = "aab"  
Output: 1  
Explanation: The palindrome partitioning ["aa","b"] could be produced using 1 cut.

**Example 2:**

Input: s = "a"  
Output: 0

**Example 3:**

Input: s = "ab"  
Output: 1

**Constraints:**

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