**Palindrome Partitioning II:**

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 lower-case English letters only.