Given a string s, partition s such that every

substring

of the partition is a

**palindrome**

. Return *all possible palindrome partitioning of* s.

**Example 1:**

Input: s = "aab"  
Output: [["a","a","b"],["aa","b"]]

**Example 2:**

Input: s = "a"  
Output: [["a"]]

**Constraints:**

* 1 <= s.length <= 16
* s contains only lowercase English letters.