Given a string s, find *the longest palindromic* ***subsequence****'s length in* s.

A **subsequence** is a sequence that can be derived from another sequence by deleting some or no elements without changing the order of the remaining elements.

**Example 1:**

Input: s = "bbbab"  
Output: 4  
Explanation: One possible longest palindromic subsequence is "bbbb".

**Example 2:**

Input: s = "cbbd"  
Output: 2  
Explanation: One possible longest palindromic subsequence is "bb".

**Constraints:**

* 1 <= s.length <= 1000
* s consists only of lowercase English letters.