

Longest Palindromic Subsequence

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: $s = \text{"bbbab"}$

Output: 4

Explanation: One possible longest palindromic subsequence is "bbbb".

Example 2:

Input: $s = \text{"cbbd"}$

Output: 2

Explanation: One possible longest palindromic subsequence is "bb".

Constraints:

- $1 \leq s.length \leq 1000$
- s consists only of lowercase English letters.