

516. 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.