![Text

Description automatically generated]()

Here we only get a single string in input.

Longest palindromic subsequence: reverse order it will remain the same. Here bbbb of length 4 is ans.

Here we will use the concept of lcs.

![Text

Description automatically generated]()

Here s2 is reverse of s1.

Here if we find the lcs of s1 and s1 in reverse that is s2. we will find the longest palindromic subsequence.