

Example 1:

Input: text1 = "abcde", text2 = "ace"
Output: 3
Explanation: The longest common subsequence is "ace" and its length is 3.

Example 2:

Input: text1 = "abc", text2 = "abc"
Output: 3
Explanation: The longest common subsequence is "abc" and its length is 3.

Example 3:

Input: text1 = "abc", text2 = "def"

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1 class Solution {
2     public int longestCommonSubsequence(String text1, String text2) {
3
4         int x = text1.length();
5         int y = text2.length();
6
7         int[][] dp = new int[x+1][y+1];
8         for(int i = dp.length - 2; i >= 0; i--){
9             for(int j = dp[0].length-2; j >= 0 ; j--){
10
11                 char c1 = text1.charAt(i);
12                 char c2 = text2.charAt(j);
13
14                 if(c1==c2){
15                     dp[i][j] = 1 + |
16                 }
17             }
18         }
19     }
20 }

```