AlgoExpert Quad Layout C# 12px Sublime Monokai 00:00:

Our Solution(s) Run Code

Solution 1 Solution 2

```
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using System;
public class Program {
  // O(nm) time | O(min(n, m)) space
  public static int LevenshteinDistance(string str1, string str2) {
    string small = str1.Length < str2.Length ? str1 : str2;
    string big = str1.Length >= str2.Length ? str1 : str2;
    int[] evenEdits = new int[small.Length + 1];
    int[] oddEdits = new int[small.Length + 1];
    for (int j = 0; j < small.Length + 1; j++) {
      evenEdits[j] = j;
    }
    int[] currentEdits;
    int[] previousEdits;
    for (int i = 1; i < big.Length + 1; i++) {
      if (i % 2 == 1) {
        currentEdits = oddEdits;
        previousEdits = evenEdits;
      } else {
        currentEdits = evenEdits;
        previousEdits = oddEdits;
      }
      currentEdits[0] = i;
      for (int j = 1; j < small.Length + 1; j++) {
        if (big[i - 1] == small[j - 1]) {
          currentEdits[j] = previousEdits[j - 1];
        } else {
          currentEdits[j] = 1 + Math.Min(previousEdits[j - 1], Math.Min(
                previousEdits[j],
                currentEdits[j -
                1]));
        }
      }
    }
    return big.Length % 2 == 0 ? evenEdits[small.Length] : oddEdits[small.Length];
  }
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```
public class Program {
  public static int LevenshteinDistance(string str1, string str2) {
    // Write your code here.
    return -1;
  }
}

```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.