

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code	Your Solutions	Run Code
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Solution 1	Solution 2	Solution 3
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 using System; 4 public class Program { 5 // O(nm) time O(min(n, m)) space 6 public static int LevenshteinDistance(string str1, string str2) { 7 string small = str1.Length < str2.Length ? str1 : str2; 8 string big = str1.Length >= str2.Length ? str1 : str2; 9 int[] evenEdits = new int[small.Length + 1]; 10 int[] oddEdits = new int[small.Length + 1]; 11 for (int j = 0; j < small.Length + 1; j++) { 12 evenEdits[j] = j; 13 } 14 int[] currentEdits; 15 int[] previousEdits; 16 for (int i = 1; i < big.Length + 1; i++) { 17 if (i % 2 == 1) { 18 currentEdits = oddEdits; 19 previousEdits = evenEdits; 20 } else { 21 currentEdits = evenEdits; 22 previousEdits = oddEdits; 23 } 24 currentEdits[0] = i; 25 for (int j = 1; j < small.Length + 1; j++) { 26 if (big[i - 1] == small[j - 1]) { 27 currentEdits[j] = previousEdits[j - 1]; 28 } else { 29 currentEdits[j] = 1 + Math.Min(previousEdits[j - 1], Math.Min(30 previousEdits[j], 31 currentEdits[j - 1])); 32 } 33 } 34 } 35 } 36 return big.Length % 2 == 0 ? evenEdits[small.Length] : oddEdits[small.Length] 37 } 38 } 39</pre>		<pre>1 public class Program { 2 public static int LevenshteinDistance(string str1, string str2) { 3 // Write your code here. 4 return -1; 5 } 6 } 7</pre>

Run or submit code when you're ready.