

Our Solution(s)

Run Code

Solution 1

Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(nm) time | O(min(n, m)) space
4 function levenshteinDistance(str1, str2) {
5   const small = str1.length < str2.length ? str1 : str2;
6   const big = str1.length >= str2.length ? str1 : str2;
7   const evenEdits = [];
8   const oddEdits = new Array(small.length + 1);
9   for (let j = 0; j < small.length + 1; j++) {
10     evenEdits.push(j);
11   }
12   for (let i = 1; i < big.length + 1; i++) {
13     let currentEdits, previousEdits;
14     if (i % 2 === 1) {
15       currentEdits = oddEdits;
16       previousEdits = evenEdits;
17     } else {
18       currentEdits = evenEdits;
19       previousEdits = oddEdits;
20     }
21     currentEdits[0] = i;
22     for (let j = 1; j < small.length + 1; j++) {
23       if (big[i - 1] === small[j - 1]) {
24         currentEdits[j] = previousEdits[j - 1];
25       } else {
26         currentEdits[j] = 1 + Math.min(previousEdits[j - 1], pre
27       }
28     }
29   }
30   return big.length % 2 === 0 ? evenEdits[small.length] : oddEdi
31 }
32
33 exports.levenshteinDistance = levenshteinDistance;
```

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

```
1 function levenshteinDistance(str1, str2) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.levenshteinDistance = levenshteinDistance;
7
```

```

10 # Add a new test case
11 def test_new_test_case():
12     """Test the new test case"""
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```

Run or submit code when you're ready.