Run Code

Our Solution(s)

Run Code

Your Solutions

14рх

Solution 1 Solution 2 Solution 3

```
function interweavingStrings(one, two, three) {
    // Write your code here.
}

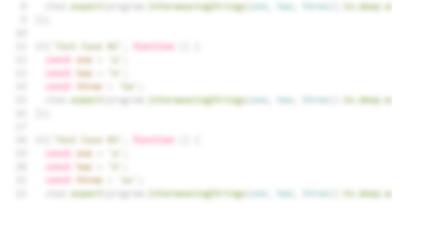
// Do not edit the line below.
exports.interweavingStrings = interweavingStrings;
```

```
Solution 1 Solution 2
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 // O(2^{n} + m) time | O(n + m) space - where n is the length
4 // of the first string and m is the length of the second string
 5 function interweavingStrings(one, two, three) {
     if (three.length !== one.length + two.length) {
       return false;
9
10
     return areInterwoven(one, two, three, 0, 0);
11 }
12
13
   function areInterwoven(one, two, three, i, j) {
14
     const k = i + j;
15
     if (k === three.length) return true;
16
17
     if (i < one.length && one[i] === three[k]) {</pre>
      if (areInterwoven(one, two, three, i + 1, j)) return true;
18
19
20
21
     if (j < two.length && two[j] === three[k]) {</pre>
22
      return areInterwoven(one, two, three, i, j + 1);
23
24
25
     return false;
26 }
27
28 exports.interweavingStrings = interweavingStrings;
```

Our Tests

Custom Output

Submit Code



Run or submit code when you're ready.