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

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

Solution 1 Solution 2

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
 3 public class Program {
    // O(2^(n + m)) time | O(n + m) space - where n is the length
      \ensuremath{//} of the first string and \ensuremath{\mathrm{m}} is the length of the second string
      public static bool Interweavingstrings(string one, string two, string three) {
       if (three.Length != one.Length + two.Length) {
          return false;
9
10
11
        return areInterwoven(one, two, three, 0, 0);
12
13
       \textbf{public static bool } \texttt{areInterwoven}(\textbf{string one, string two, string three, int i, int j}) \ \{ \\
14
15
        int k = i + j;
        if (k == three.Length) return true;
16
17
        if (i < one.Length && one[i] == three[k]) {</pre>
18
         if (areInterwoven(one, two, three, i + 1, j)) return true;
19
20
21
        if (j < two.Length \&\& two[j] == three[k]) {
22
23
          return areInterwoven(one, two, three, i, j + 1);
24
25
26
       return false;
27
28 }
29
```