Solution 1 Solution 2

Our Solution(s)

```
Run Code
```

```
Your Solutions
```

Solution 1 Solution 2 Solution 3

```
Run Code
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   using System.Collections.Generic;
   public class Program {
     // O(nm) time | O(nm) space - where n is the length of the
      \ensuremath{//} first string and m is the length of the second string
      public static bool Interweavingstrings(string one, string two, stri
        if (three.Length != one.Length + two.Length) {
10
         return false;
11
12
13
        bool?[,] cache = new bool?[one.Length+1, two.Length+1];
14
        return areInterwoven(one, two, three, 0, 0, cache);
15
16
17
      public static bool areInterwoven(string one, string two, string thre
18
        bool?[,] cache) {
19
        if (cache[i,j].HasValue) {
20
          return cache[i,j].Value;
21
23
        int k = i + j;
24
        if (k == three.Length) {
         return true;
26
27
28
        if (i < one.Length && one[i] == three[k]) {</pre>
29
          cache[i,j] = areInterwoven(one, two, three, i + 1, j, cache);
30
          if (cache[i,j].HasValue && cache[i,j].Value) {
31
            return true;
32
33
```

```
public class Program {
   public static bool Interweavingstrings(string one, string two, strin
   // Write your code here.
   return false;
}
}
```

Run or submit code when you're ready.