Run Code

Our Solution(s)

Run Code

```
Your Solutions
```

0.00113

```
Solution 1 Solution 2
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   using namespace std;
   bool areInterwoven(string one, string two, string three, int i, int j
                     vector<vector<int>> &cache);
   // 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
10 bool interweavingStrings(string one, string two, string three) {
11
     if (three.size() != one.size() + two.size()) {
12
      return false;
13
14
15
     vector<vector<int>> cache;
16
     for (int i = 0; i < one.size() + 1; i++) {</pre>
17
       cache.push_back(vector<int>{});
       for (int j = 0; j < two.size() + 1; j++) {</pre>
18
19
         cache[i].push_back(-1);
20
21
     }
22
23
     24 }
25
26 bool areInterwoven(string one, string two, string three, int i, int j,
27
                     vector<vector<int>> &cache) {
28
     if (cache[i][j] != -1)
29
      return cache[i][j];
30
31
     int k = i + j;
32
     if (k == three.size())
33
       return true;
```

```
Solution 1  Solution 2  Solution 3

1  using namespace std;

2  bool interweavingStrings(string one, string two, string three) {
    // Write your code here.
    return false;
    }
7
```

Run or submit code when you're ready.