Solution 1 Solution 2

Solution 4

Your Solutions

Run Code

Our Solution(s) Run Code

Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
   class Program {
      // O(nm*min(n, m)) time | O((min(n, m))^2) space
      public static List<Character> longestCommonSubsequence(String str1,
        String small = str1.length() < str2.length() ? str1 : str2;</pre>
 9
        String big = str1.length() >= str2.length() ? str1 : str2;
10
        List<List<Character>> evenLcs = new ArrayList<List<Character>>();
11
        List<List<Character>> oddLcs = new ArrayList<List<Character>>();
12
        for (int i = 0; i < small.length() + 1; i++) {</pre>
          evenLcs.add(new ArrayList<Character>());
14
15
        for (int i = 0; i < small.length() + 1; i++) {</pre>
         oddLcs.add(new ArrayList<Character>());
16
17
        for (int i = 1; i < big.length() + 1; i++) {</pre>
18
19
         List<List<Character>> currentLcs;
20
          List<List<Character>>> previousLcs;
21
          if (i % 2 == 1) {
            currentLcs = oddLcs;
            previousLcs = evenLcs;
24
          } else {
           currentLcs = evenLcs;
26
           previousLcs = oddLcs;
27
28
          for (int j = 1; j < small.length() + 1; j++) {</pre>
29
            if (big.charAt(i - 1) == small.charAt(j - 1)) {
30
             List<Character> copy = new ArrayList<Character>(previousLcs.
31
              currentLcs.set(j, copy);
              currentLcs.get(j).add(big.charAt(i - 1));
33
            } else {
```

Our TestsCustom OutputSubmit Code

Run or submit code when you're ready.

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