Our Solution(s) — Run Code

Solution 1 | Solution 2 | Solution 3 | Solution 4

```csharp
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using System.Collections.Generic;

public class Program {
  // O(nm) time | O(nm) space
  public static List<char> LongestCommonSubsequence(string str1, stri
    int[,][] lcs = new int[str2.Length + 1,str1.Length + 1][];
    for (int i = 0; i < str2.Length + 1; i++) {
      for (int j = 0; j < str1.Length + 1; j++) {
        lcs[i,j] = new int[] {0, 0, 0, 0};
      }
    }
    for (int i = 1; i < str2.Length + 1; i++) {
      for (int j = 1; j < str1.Length + 1; j++) {
        if (str2[i - 1] == str1[j - 1]) {
          int[] newEntry =
          {(int)str2[i - 1], lcs[i - 1,j - 1][1] + 1, i - 1, j - 1};
          lcs[i,j] = newEntry;
        } else {
          if (lcs[i - 1,j][1] > lcs[i,j - 1][1]) {
            int[] newEntry = {-1, lcs[i - 1,j][1], i - 1, j};
            lcs[i,j] = newEntry;
          } else {
            int[] newEntry = {-1, lcs[i,j - 1][1], i, j - 1};
            lcs[i,j] = newEntry;
          }
        }
      }
    }
    return buildSequence(lcs);
  }
}
```

Your Solutions — Run Code

Solution 1 | Solution 2 | Solution 3

```csharp
using System.Collections.Generic;

public class Program {
  public static List<char> LongestCommonSubsequence(string str1, strin
    // Write your code here.
    return null;
  }
}
```

Our Tests

Custom Output — Submit Code

Run or submit code when you're ready.