AlgoExpert

Solution 1 Solution 2 Solution 3 Solution 4

def longestCommonSubsequence(str1, str2):

for i in range(1, len(big) + 1):

currentLcs = oddLcs

previousLcs = evenLcs

currentLcs = evenLcs previousLcs = oddLcs

for j in range(1, len(small) + 1):

if big[i - 1] == small[j - 1]:

return evenLcs[-1] if len(big) % 2 == 0 else oddLcs[-1]

currentLcs[j] = previousLcs[j - 1] + [big[i - 1]]

currentLcs[j] = max(previousLcs[j], currentLcs[j - 1],

if i % 2 == 1:

9

10 11

12

13 14

16

17

18

19 20

21

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1 # Copyright © 2020 AlgoExpert, LLC. All rights reserved.

small = str1 if len(str1) < len(str2) else str2</pre> big = str1 if len(str1) >= len(str2) else str2 evenLcs = [[] for x in range(len(small) + 1)] oddLcs = [[] for x in range(len(small) + 1)]

O(nm*min(n, m)) time | O((min(n, m))^2) space

Quad Layout

Python

14рх

Your Solutions

pass

Sublime

Write your code here.

Monokai

00:00:

Run Code

Our Solution(s) Run Code

```
Solution 1 Solution 2 Solution 3
1 def longestCommonSubsequence(str1, str2):
3
```

Our Tests Custom Output Submit Code



Run or submit code when you're ready.