AlgoExpert   Quad Layout   Swift   12px   Sublime   Monokai   00:00:00

Prompt   Scratchpad   Our Solution(s)   Video Explanation   Run Code

Solution 1   Solution 2

```swift
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

class Program {
    // O(nd) time | O(nm) space)
    func levenshteinDistance(firstString: String, secondString: String) -> Int {
        var edits = [[Int]]()

        for i in 0 ..< firstString.count + 1 {
            var row = [Int]()

            for j in 0 ..< secondString.count + 1 {
                row.append(j)
            }

            row[0] = i
            edits.append(row)
        }

        for i in 1 ..< firstString.count + 1 {
            for j in 1 ..< secondString.count + 1 {
                let firstIndex = firstString.index(firstString.startIndex, offsetBy: i - 1)
                let secondIndex = secondString.index(secondString.startIndex, offsetBy: j -

                if firstString[firstIndex] == secondString[secondIndex] {
                    edits[i][j] = edits[i - 1][j - 1]
                } else {
                    edits[i][j] = 1 + min(edits[i - 1][j - 1], min(edits[i][j - 1], edits[i
                }
            }
        }

        return edits[firstString.count][secondString.count]
    }
}
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```swift
class Program {
    func levenshteinDistance(firstString: String, secondString: String) -> Int {
        // Write your code here.
        return -1
    }
}
```

Custom Output   Raw Output   Submit Code

Run or submit code when you're ready.