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

PromptScratchpadOur Solution(s)Video ExplanationRun Code

```
_{\rm 1} // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
    3 class Program {
                               // O(bns) time | O(n) space
                                func multiStringSearch(_ bigString: String, _ smallStrings: [String]) -> [Bool] {
                                              return smallStrings.map { isInBigString($0, bigString) }
  9
                                \begin{tabular}{ll} func is In Big String (\_ small String: String) -> Bool \end{tabular} \label{table: big String: String} \end{tabular} \begin{tabular}{ll} -> Bool \end{tabular} \end{tabular}
 10
                                               for i in 0 ... bigString.count \{
                                                             if i + smallString.count > bigString.count {
 11
 12
                                                                             break
13
14
                                                             if isInBigStringHelper(i, smallString, bigString) {
15
16
                                                                             return true
17
18
 19
20
                                              return false
21
                              }
22
 23
                                \label{limits} \textbf{func isInBigStringHelper(\_ startIndex: Int, \_ smallString: String, \_ bigString: String) \ \rightarrow \ Bool \ \{ (a,b) = (a,b
 24
                                              var leftSmallIndex = 0
 25
                                              var rightSmallIndex = smallString.count - 1
 26
 27
                                              var leftBigIndex = startIndex
                                              var rightBigIndex = startIndex + smallString.count - 1
 28
29
 30
                                              while leftBigIndex < rightBigIndex {</pre>
                                                              let leftSmallStringIndex = smallString.index(smallString.startIndex, offsetBy: leftSmallIndex)
 31
 32
                                                               let rightSmallStringIndex = smallString.index(smallString.startIndex, offsetBy: rightSmallIndex)
 33
 34
                                                               let leftBigStringIndex = bigString.index(bigString.startIndex, offsetBy: leftBigIndex)
 35
                                                              let rightBigStringIndex = bigString.index(bigString.startIndex, offsetBy: rightBigIndex)
 36
 37
                                                              \textbf{if} \ \texttt{smallString[leftSmallStringIndex]} \ != \ \texttt{bigString[leftBigStringIndex]} \ || \ \texttt{smallString[rightSmallStringIndex]} \ != \ \texttt{bigString[rightBigStringIndex]} \ || \ \texttt{smallString[rightSmallStringIndex]} \ || \ \texttt{smallStringIndex}| \ \texttt{smallStringIndex}| \ || \ \texttt{smal
 38
                                                                              return false
 39
 40
                                                              leftSmallIndex += 1
41
42
                                                               rightSmallIndex -= 1
                                                              leftBigIndex += 1
43
                                                              rightBigIndex -= 1
44
45
46
47
                                              return true
49 }
50
```

Solution 1 Solution 2

Solution 3