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

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

Solution 1 Solution 2 Solution 3

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```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
   class Program {
     // O(bns) time | O(n) space
     public static List<Boolean> multiStringSearch(String bigString, String[] smallStrings) {
       List<Boolean> solution = new ArrayList<Boolean>();
       for (String smallString : smallStrings) {
10
         solution.add(isInBigString(bigString, smallString));
11
       return solution;
12
13
14
15
     public static boolean isInBigString(String bigString, String smallString) {
16
       for (int i = 0; i < bigString.length(); i++) {</pre>
17
         if (i + smallString.length() > bigString.length()) {
18
           break;
19
20
         if (isInBigString(bigString, smallString, i)) {
21
          return true;
22
23
24
       return false;
25
26
27
     28
       int leftBigIdx = startIdx;
29
       int rightBigIdx = startIdx + smallString.length() - 1;
30
       int leftSmallIdx = 0;
31
       int rightSmallIdx = smallString.length() - 1;
32
       while (leftBigIdx <= rightBigIdx) {</pre>
33
         if (bigString.charAt(leftBigIdx) != smallString.charAt(leftSmallIdx)
34
             || bigString.charAt(rightBigIdx) != smallString.charAt(rightSmallIdx)) {
35
           return false;
36
37
         leftBigIdx++;
38
         rightBigIdx--;
39
         leftSmallIdx++;
40
         rightSmallIdx--;
41
42
       return true;
43
44
```