AlgoExpert Quad Layout C# 12px Sublime Monokai 00:00:00

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

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Solution 1 Solution 2 Solution 3
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46 } 47

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
    using System.Collections.Generic;
 5 public class Program {
      // O(bns) time | O(n) space
      public static List<bool> MultistringSearch(string bigstring, string[] smallstrings) {
        List<bool> solution = new List<bool>();
        foreach (string smallstring in smallstrings) {
10
          solution.Add(isInBigstring(bigstring, smallstring));
11
12
        return solution;
13
14
15
      public static bool isInBigstring(string bigstring, string smallstring) {
        for (int i = 0; i < bigstring.Length; i++) {</pre>
16
17
          \textbf{if} \ (\texttt{i} \ + \ \texttt{smallstring.Length} \ > \ \texttt{bigstring.Length}) \ \{
18
            break;
19
20
          if (isInBigstring(bigstring, smallstring, i)) {
21
            return true;
22
23
24
        return false;
25
26
27
      \textbf{public static bool} \ is \texttt{InBigstring} (\textbf{string bigstring, string smallstring, int startIdx}) \ \{
28
        int leftBigIdx = startIdx;
29
        int rightBigIdx = startIdx + smallstring.Length - 1;
30
        int leftSmallIdx = 0;
31
        int rightSmallIdx = smallstring.Length - 1;
        while (leftBigIdx <= rightBigIdx) {</pre>
32
33
          if (
            bigstring[leftBigIdx] != smallstring[leftSmallIdx] ||
34
            bigstring[rightBigIdx] != smallstring[rightSmallIdx]
35
36
37
            return false;
38
39
          leftBigIdx++;
          rightBigIdx--;
40
41
          leftSmallIdx++;
42
          rightSmallIdx--;
43
44
        return true;
45
```