

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 import java.util.*;
4
5 class Program {
6     // O(ns + bs) time | O(ns) space
7     public static List<Boolean> multiStringSearch(String bigString, String[] smallStrings) {
8         Trie trie = new Trie();
9         for (String smallString : smallStrings) {
10             trie.insert(smallString);
11         }
12         Set<String> containedStrings = new HashSet<String>();
13         for (int i = 0; i < bigString.length(); i++) {
14             findSmallStringsIn(bigString, i, trie, containedStrings);
15         }
16         List<Boolean> solution = new ArrayList<Boolean>();
17         for (String str : smallStrings) {
18             solution.add(containedStrings.contains(str));
19         }
20         return solution;
21     }
22
23     public static void findSmallStringsIn(
24         String str, int startIdx, Trie trie, Set<String> containedStrings) {
25         TrieNode currentNode = trie.root;
26         for (int i = startIdx; i < str.length(); i++) {
27             char currentChar = str.charAt(i);
28             if (!currentNode.children.containsKey(currentChar)) {
29                 break;
30             }
31             currentNode = currentNode.children.get(currentChar);
32             if (currentNode.children.containsKey(trie.endSymbol)) {
33                 containedStrings.add(currentNode.word);
34             }
35         }
36     }
37 }
```

```
1 import java.util.*;
2
3 class Program {
4     public static List<Boolean> multiStringSearch(String bigString, String[] smallStrings) {
5         // Write your code here.
6         return null;
7     }
8 }
9
```

Our Tests

Custom Output

Submit Code

```
1 import java.util.*;
2
3 class Program {
4     // Write your code here.
5     public static List<Boolean> multiStringSearch(String bigString, String[] smallStrings) {
6         return null;
7     }
8 }
```

```

18         #Program autohighlight
19         #This is a big string
20         #in string: "left", "left", "left", "left", "right", "right"
21         #Write down the dependencies, dependencies
22     }
23
24 #Test
25 #Write test test(test) {
26     #Test() output = "left", "left", "left", "left", "left", "left", "left"
27     #Test() output =
28     #Program autohighlight
29     #This goes to the shopping center with 7
30     #in string: "left", "left", "left", "left", "left", "left"
31     #Write down the dependencies, dependencies
32 }

```

Run or submit code when you're ready.