Solution 1 Solution 2 Solution 3

Our Solution(s) Run

```
Run Code Your Solutions
```

```
Run Code
```

```
Solution 1 Solution 2 Solution 3
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 // O(ns + bs) time | O(ns) space
4 function multiStringSearch(bigString, smallStrings) {
     const trie = new Trie();
     for (const string of smallStrings) {
       trie.insert(string);
9
     const containedStrings = {};
10
     for (let i = 0; i < bigString.length; i++) {</pre>
11
       findSmallStringsIn(bigString, i, trie, containedStrings);
12
13
     return smallStrings.map(string => string in containedStrings);
14 }
15
16 function findSmallStringsIn(string, startIdx, trie, containedStrings)
17
     let currentNode = trie.root;
     for (let i = startIdx; i < string.length; i++) {</pre>
18
       const currentChar = string[i];
19
20
       if (!(currentChar in currentNode)) break;
       currentNode = currentNode[currentChar];
21
22
       if (trie.endSymbol in currentNode) containedStrings[currentNode[tr
23
24 }
25
26 class Trie {
27
     constructor() {
       this.root = {};
28
29
       this.endSymbol = '*';
30
31
32
     insert(string) {
33
       let current = this.root;
```

\_\_\_\_\_\_

```
function multiStringSearch(bigString, smallStrings) {
    // Write your code here.
}

// Do not edit the line below.
exports.multiStringSearch = multiStringSearch;
```

Run or submit code when you're ready.

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