

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 #include <vector>
4 using namespace std;
5
6 bool isInBigString(string bigString, string smallString);
7 bool isInBigStringHelper(string bigString, string smallString, int startIndex, int smallIndex) {
8
9     // O(bns) time | O(n) space
10    vector<bool> multiStringSearch(string bigString, vector<string> smallStrings) {
11        vector<bool> solution;
12        for (string smallString : smallStrings) {
13            solution.push_back(isInBigString(bigString, smallString));
14        }
15        return solution;
16    }
17
18    bool isInBigString(string bigString, string smallString) {
19        for (int i = 0; i < bigString.length(); i++) {
20            if (i + smallString.length() > bigString.length()) {
21                break;
22            }
23            if (isInBigStringHelper(bigString, smallString, i)) {
24                return true;
25            }
26        }
27        return false;
28    }
29
30    bool isInBigStringHelper(string bigString, string smallString, int startIndex, int smallIndex) {
31        int leftBigIdx = startIndex;
32        int rightBigIdx = startIndex + smallString.length() - 1;
33        int leftSmallIdx = 0;
```

```
1 #include <vector>
2 using namespace std;
3
4 vector<bool> multiStringSearch(string bigString, vector<string> smallStrings) {
5     // Write your code here.
6     return {};
7 }
8
```

Our Tests

Custom Output

Submit Code

```
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