Our Solution(s) Run Code

Solution 1 Solution 2 Solution 3

```
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// O(bns) time | O(n) space
function multiStringSearch(bigString, smallStrings) {
  return smallStrings.map(smallString => isInBigString(bigString, sma
}

function isInBigString(bigString, smallString) {
  for (let i = 0; i < bigString.length; i++) {
    if (i + smallString.length > bigString.length) break;
    if (isInBigStringHelper(bigString, smallString, i)) return true;
  }
  return false;
}

function isInBigStringHelper(bigString, smallString, startIdx) {
  let leftBigIdx = startIdx;
  let rightBigIdx = startIdx + smallString.length - 1;
  let leftSmallIdx = 0;
  let rightSmallIdx = smallString.length - 1;
  while (leftBigIdx <= rightBigIdx) {
    if (bigString[leftBigIdx] != smallString[leftSmallIdx] || bigStrin
      return false;
    }
    leftBigIdx++;
    rightBigIdx--;
    leftSmallIdx++;
    rightSmallIdx--;
  }
  return true;
}

exports.multiStringSearch = multiStringSearch;
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

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

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

```

Our Tests

Custom Output Submit Code

```
});

it('Test Case #2', function () {
  chai
    .expect(
      program.multiStringSearch('Mary goes to the shopping center and
        'to',
        'Mary',
        'center',
        'shop',
        'shopping',
        'string',
        'happy',
      ),
    )
```

Run or submit code when you're ready.