Our Solution(s)   Run Code

Solution 1

```swift
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

class Program {
    class TrieNode {
        var children: [String: Any] = [:]
    }

    class SuffixTrie {
        var root = TrieNode()
        let endSymbol = "*"

        init(string: String) {
            populateSuffixTrieFrom(string: string)
        }

        // O(n^2) time | O(n^2) space
        func populateSuffixTrieFrom(string: String) {
            for i in 0 ..< string.count {
                insertSubstringStartingAt(index: i, string: stri
            }
        }

        func insertSubstringStartingAt(index: Int, string: Strin
            var node = root

            for j in index ..< string.count {
                let jStringIndex = string.index(string.startInde
                let jthCharacter = String(string[jStringIndex])

                if !node.children.keys.contains(jthCharacter) {
                    node.children[jthCharacter] = TrieNode()
                }
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```swift
class Program {
    // Do not edit the class below except for the
    // populateSuffixTrieFrom and contains methods.
    // Feel free to add new properties and methods
    // to the class.
    class TrieNode {
        var children: [String: Any] = [:]
    }

    class SuffixTrie {
        var root = TrieNode()
        let endSymbol = "*"

        init(string: String) {
            populateSuffixTrieFrom(string: string)
        }

        func populateSuffixTrieFrom(string: String) {
            // Write your code here.
        }

        func contains(string: String) -> Bool {
            // Write your code here.
            return false
        }
    }
}
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.