

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(nm*8^s + ws) time | O(nm + ws) space
5     func boggleBoard(boggleBoard: [[String]], words: [String]) -> [String] {
6         let trie = Trie()
7
8         for word in words {
9             trie.add(word)
10        }
11
12        var finalWords = [String: Bool]()
13
14        var visited = boggleBoard.map { row in row.map { _ in false } }
15
16        for i in 0 ..< boggleBoard.count {
17            for j in 0 ..< boggleBoard[i].count {
18                explore(i, j, boggleBoard, trie.root, &visited, &finalWords)
19            }
20        }
21
22        let keys = Array(finalWords.keys)
23        return keys
24    }
25
26    func explore(_ i: Int, _ j: Int, _ board: [[String]], _ trieNode: TrieNode) {
27        if visited[i][j] {
28            return
29        }
30
31        let letter = board[i][j]
32
33        if !trieNode.children.keys.contains(letter) {
```

Solution 1

Solution 2

Solution 3

```
1 class Program {
2     func boggleBoard(boggleBoard: [[String]], words: [String]) -> [String] {
3         // Write your code here.
4         return []
5     }
6 }
7
```

Our Tests

Custom Output

Submit Code

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(nm*8^s + ws) time | O(nm + ws) space
5     func boggleBoard(boggleBoard: [[String]], words: [String]) -> [String] {
6         let trie = Trie()
7
8         for word in words {
9             trie.add(word)
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12        var finalWords = [String: Bool]()
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14        var visited = boggleBoard.map { row in row.map { _ in false } }
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16        for i in 0 ..< boggleBoard.count {
17            for j in 0 ..< boggleBoard[i].count {
18                explore(i, j, boggleBoard, trie.root, &visited, &finalWords)
19            }
20        }
21
22        let keys = Array(finalWords.keys)
23        return keys
24    }
25
26    func explore(_ i: Int, _ j: Int, _ board: [[String]], _ trieNode: TrieNode) {
27        if visited[i][j] {
28            return
29        }
30
31        let letter = board[i][j]
32
33        if !trieNode.children.keys.contains(letter) {
```

```
1 class Program {
2     func boggleBoard(boggleBoard: [[String]], words: [String]) -> [String] {
3         // Write your code here.
4         return []
5     }
6 }
7
```

Run or submit code when you're ready.