Our Solution(s) Run Code

Solution 1 Solution 2

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

class Program {
    // O(n) time | O(n) space - where n is the total number of e
    func spiralTraverse(array: [[Int]]) -> [Int] {
        var result = [Int]()
        spiralFill(array, 0, array.count - 1, 0, array[0].count
        return result
    }

    func spiralFill(_ array: [[Int]], _ startRow: Int, _ endRow
        if startRow > endRow || startCol > endCol {
            return
        }

        for col in stride(from: startCol, through: endCol, by: 1
            result.append(array[startRow][col])
        }

        for row in stride(from: startRow + 1, through: endRow, b
            result.append(array[row][endCol])
        }

        for col in stride(from: endCol - 1, through: startCol, b
            if startRow == endRow {
                break
            }
            result.append(array[endRow][col])
        }

        for row in stride(from: endRow - 1, through: startRow +
            if startCol == endCol {
                break
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```swift
class Program {
    func spiralTraverse(array: [[Int]]) -> [Int] {
        // Write your code here.
        return []
    }
}

```

Our Tests

Custom Output Submit Code

```
main : Task () ()
main =
    let program = Program()
    runTests "Test Case 1" [ () ] \_ -> do
        let input = [
            [0],
        ]
        let expected = [0]
        let actual = program.optimalTreeAverage(arr=input)
        try assertTrue(expected==actual)
    runTests "Test Case 2" [ () ] \_ -> do
        let input = [[3], [0], [8, 9]]
        let expected = [3, 2, 3, 8]
        let actual = program.optimalTreeAverage(arr=input)
        try assertTrue(expected==actual)
    runTests "Test Case 3" [ () ] \_ -> do
        let input = [[3, 2, 3], [8, 9, 8], [7, 6, 9]]
        let expected = [3, 2, 3, 8, 9, 6, 7, 8, 9]
        let actual = program.optimalTreeAverage(arr=input)
        try assertTrue(expected==actual)
```

Run or submit code when you're ready.