Our Solution(s)   Run Code

Solution 1

```swift
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class Program {
    // O(n) time | O(n) space
    func zigZagTraverse(array: [[Int]]) -> [Int] {
        var result = [Int]()

        var goingDown = true
        var currentRow = 0
        var currentColumn = 0

        while currentRow < array.count, currentColumn < array[0].coun
            result.append(array[currentRow][currentColumn])

            if goingDown {
                if currentColumn == 0 || currentRow == array.count - 1
                    goingDown = false
                    if currentRow == array.count - 1 {
                        currentColumn += 1
                    } else {
                        currentRow += 1
                    }
                } else {
                    currentRow += 1
                    currentColumn -= 1
                }
            } else {
                if currentRow == 0 || currentColumn == array[0].count
                    goingDown = true
                    if currentColumn == array[0].count - 1 {
                        currentRow += 1
                    } else {
                        currentColumn += 1
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

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

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.