Solution 1   Solution 2   Solution 3

```swift
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class Program {
    // O(n) time | O(n) space
    func twoNumberSum(array: [Int], targetSum: Int) -> [Int] {
        var numbersHashMap = [Int: Bool]()

        for number in array {
            let potentialMatch = targetSum - number

            if let exists = numbersHashMap[potentialMatch], exists {
                return [potentialMatch, number]
            } else {
                numbersHashMap[number] = true
            }
        }

        return []
    }
}
```

Solution 1   Solution 2   Solution 3

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

Custom Output   Submit Code

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

Run or submit code when you're ready.