

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 package main
4
5 // Average: O(n^2) time | O(n^2) space
6 // Worst: O(n^3) time | O(n^2) space
7 func FourNumberSum(array []int, target int) [][]int {
8     allPairSums := map[int][]int{}
9     quadruplets := [][]int{}
10    for i := 1; i < len(array)-1; i++ {
11        for j := i + 1; j < len(array); j++ {
12            currentSum := array[i] + array[j]
13            difference := target - currentSum
14            if pairs, found := allPairSums[difference]; found {
15                for _, pair := range pairs {
16                    newquad := append(pair, array[i], array[j])
17                    quadruplets = append(quadruplets, newquad)
18                }
19            }
20        }
21        for k := 0; k < i; k++ {
22            currentSum := array[i] + array[k]
23            allPairSums[currentSum] = append(allPairSums[currentSum], []int{
24            })
25        }
26        return quadruplets
27    }
28 }
```

Solution 1 Solution 2 Solution 3

```
1 package main
2
3 func FourNumberSum(array []int, target int) [][]int {
4     // Write your code here.
5     return nil
6 }
7
```

Our Tests

Custom Output

Submit Code

```

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```

Run or submit code when you're ready.