

PromptScratchpadOur Solution(s)Video ExplanationRun Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(nd) time | O(n) space
5     func numberOfWaysToMakeChange(target: Int, denominations: [Int]) -> Int {
6         var ways = Array(repeating: 0, count: target + 1)
7         ways[0] = 1
8
9         for denomination in denominations {
10             for amount in 1 ..< target + 1 {
11                 if denomination <= amount {
12                     ways[amount] = ways[amount] + ways[amount - denomination]
13                 }
14             }
15         }
16
17         return ways[target]
18     }
19 }
20
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

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

Custom OutputRaw OutputSubmit Code

Run or submit code when you're ready.