

Our Solution(s)

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(nd) time | O(n) space
4 function numberOfWaysToMakeChange(n, denoms) {
5   const ways = new Array(n + 1).fill(0);
6   ways[0] = 1;
7   for (let denom of denoms) {
8     for (let amount = 1; amount < n + 1; amount++) {
9       if (denom <= amount) {
10         ways[amount] += ways[amount - denom];
11       }
12     }
13   }
14   return ways[n];
15 }
16
17 exports.numberOfWaysToMakeChange = numberOfWaysToMakeChange;
18
```

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

```
1 function numberOfWaysToMakeChange(n, denoms) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.numberOfWaysToMakeChange = numberOfWaysToMakeChange;
7
```

Our Tests

Custom Output

Submit Code

```
1 # Add the new test case to the list of test cases
2
3 def test_case_10():
4     # Test case 10: A list of 10 elements, with the 5th element being 100.
5     # Expected output: 100
6     return [1, 2, 3, 4, 100, 6, 7, 8, 9, 10]
7
8 def test_case_11():
9     # Test case 11: A list of 10 elements, with the 5th element being 100.
10    # Expected output: 100
11    return [1, 2, 3, 4, 100, 6, 7, 8, 9, 10]
12
13 def test_case_12():
14    # Test case 12: A list of 10 elements, with the 5th element being 100.
15    # Expected output: 100
16    return [1, 2, 3, 4, 100, 6, 7, 8, 9, 10]
17
18 def test_case_13():
19    # Test case 13: A list of 10 elements, with the 5th element being 100.
20    # Expected output: 100
21    return [1, 2, 3, 4, 100, 6, 7, 8, 9, 10]
22
23 def test_case_14():
24    # Test case 14: A list of 10 elements, with the 5th element being 100.
25    # Expected output: 100
26    return [1, 2, 3, 4, 100, 6, 7, 8, 9, 10]
```

Run or submit code when you're ready.