**Coin Change - 2:-**

You are given coins of different denominations and a total amount of money. Write a function to compute the number of combinations that make up that amount. You may assume that you have infinite number of each kind of coin.

**Example 1:**

**Input:** amount = 5, coins = [1, 2, 5]

**Output:** 4

**Explanation:** there are four ways to make up the amount:

5=5

5=2+2+1

5=2+1+1+1

5=1+1+1+1+1

**Example 2:**

**Input:** amount = 3, coins = [2]

**Output:** 0

**Explanation:** the amount of 3 cannot be made up just with coins of 2.

**Example 3:**

**Input:** amount = 10, coins = [10]

**Output:** 1

**Note:**

You can assume that

* 0 <= amount <= 5000
* 1 <= coin <= 5000
* the number of coins is less than 500
* the answer is guaranteed to fit into signed 32-bit integer

**Example 2:**

**Input**:

n = 10 , m = 4

S[] ={2,5,3,6}

**Output:** 5

**Explanation**: Five Possible ways are:

{2,2,2,2,2}, {2,2,3,3}, {2,2,6}, {2,3,5}

and {5,5}.

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **count()**which accepts an array **S[]**its size **m**and **n** as input parameter and returns the number of ways to make change for N cents.

**Expected Time Complexity:**O(m\*n).  
**Expected Auxiliary Space:**O(n).

**Constraints:**  
1 <= n,m <= 103