**Sum of Sums**

Given a sum and a list of numbers, could you determine the number of possible sums that can be made using the list that equal the given number? You can also use the same number more than once.

**Input:** The first line of input contains **N**, the number of digits on the second line, and **S**, the sum you will be searching for. The next line contains **N** space-separated integers. They will be distinct.

**Output:** The total number of possible ways to achieve the given sum.

**Example Input #2:**

4 10

2 5 3 6

**Example Output #2:**

5

**Example Input #1:**

3 4

1 2 3

**Example Output #1:**

4

**Explanation:** In the first test, the four possible sums you can make using the following numbers are {1, 1, 1, 1}, {2 ,2}, {1, 1, 2}, {1, 3}

In the second test, the five possible sums are {2, 2, 2, 2, 2}, {2, 2, 3, 3}, {2, 2, 6}, {2, 3, 5}, {5, 5}.