

# Subset 2

Given an array of  $n$  integers, count the number of non-empty subsets whose sum is equal to the given integer  $k$

## Input

The first line is 2 integers  $n, k$

The second line is the  $n$  integers of the array

## Output

Number of subsets that satisfy the requirement

## Example

**Input:**

4 3

-1 1 1 2

**Output:**

3