



(/en/),  
v1.1.0

CSD Testing System

(/en/)

# Find the number of ways of getting a sum

Cost: 16 | Solved: 21

**Memory limit:** 256 MBs

**Time limit:** 1 s

**Input:** standard input

**Output:** standard output

## Task:

You are given  $n$  different coins; each has its own value.

You have to find the number of ways of getting a sum  $s$ . You are allowed to take INFINITE quantity of coins of EACH value.

## Input:

The first line contains a natural  $n$  ( $0 \leq n \leq 10^5$ ) – the quantity of different coins and the sum  $s$ .

The second line contains  $n$  numbers – the values of coins.

## Output:

The number of ways of getting the sum.

**As the number can get HUGE, output its remainder of division by  $(10^9+7)$ .**

## Example:

Input	Output
1 1 2	0

3 4 1 2 3	4
4 8 1 3 5 7	6