

The problem states that you are given a set of coins of worth `coin[i]` (Worth of coin `i` is `coin[i]`). Count of each coin is infinite. That is suppose `coin[i]=2` for some `i`. Then you have an infinite supply of coins of value 2. You are also given a required value `K`. Find how many ways you can get the value `K` using these coins.

Input Format :

An integer `n` denoting the number of coins.  
This will be followed by `n` integers denoting the worth of each coin.  
This will be followed by an integer `K`.

Output Format :

A single integer denoting the number of ways we can get the value `K` using these coins.