Problem B. Simple Array Sum

OS   Linux

Given an array of integers, find the sum of its elements.

For example, if the array is $[1, 2, 3]$, then the sum is $1 + 2 + 3 = 6$, so output `6`.

Input

The first line contains the integer n denoting the length of the array.

The second line contains n space-separated integers representing the array's elements.

Output

Print a single integer: the sum of the elements of the array.

Constraints

$0 \leq n, \text{each element} \leq 1000$

Sample Input

```
1  6
2  1 2 3 4 10 11
```

Sample Output

```
31
```