C. Decimal sum

time limit per test: 2 seconds
memory limit per test: 64 megabytes
input: standard input
output: standard output

You are given an array of integer numbers. Calculate the sum of its elements.

Input

The first line of the input contains an integer n $(1 \le n \le 100)$ — the size of the array. Next n lines contain the elements of the array, one per line. Each element is an integer between 1 and 100, inclusive.

Output

Output the sum of the elements of the array.

Examples

input
```
5
1
2
3
4
5
```

output
```
15
```

input
```
7
100
5
45
86
14
20
30
```

output
```
300
```