

Multiple Integer Addition

Time Limit: 2.0s **Memory Limit:** 62M

Your task is to add together a series of integers and output the sum of them all.

Input Specification

The first line of input, n ($1 \leq n \leq 30$), will be the number of integers that need to be added together.

The next n lines will each contain an integer, n_i ($0 \leq n_i \leq 2^{31} - 1$), representing a number that must be added.

Output Specification

The output should be the sum of all integers. It is guaranteed that this sum will be less than $2^{31} - 1$.

Sample Input

```
3
5
9
2
```

Output for Sample Input

```
16
```

Explanation for Sample Output

The first line of input, 3, shows that there are 3 numbers that need to be added.

The next 3 lines contain the integers 5, 9, and 2. This means our output should be the result of $5 + 9 + 2$, which is 16.