

## A. Ophelia's Happiness

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Ophelia got asked out by Hamlet today! She is beyond jubilant and wants to celebrate. She goes to her personal garden and starts picking out roses for the occasion. Ophelia is curious about the total number of petals she has counted at certain points, and as such, starts counting the number of petals for each rose she picks. Unfortunately, Ophelia is quite poor at arithmetic, and wants you to help keep track of the total number of roses at any time.

Ophelia will give you a stream of queries of two types. The first type of query will be of the form  $R\ c_i$ , telling you that the  $i^{th}$  rose has  $c_i$  petals. The second type of query will be of the form  $T$ , where you must output the total number of petals.

### Input

The first line will contain  $n$  ( $1 \leq n \leq 10^5$ ), the total number of queries that Ophelia has.

The next  $n$  lines will each contain a query  $R\ c_i$  (where  $0 \leq c_i \leq 10^3$ ), or  $T$ .

### Output

For every query  $T$ , output the total number of rose petals counted up to that point on a separate line.

### Example

input

Copy

```
5
R 3
```

### UTPC Contest 10-15-21 Div. 2 (Beginner)

Finished

Practice



### → Virtual participation

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[Start virtual contest](#)

### → Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest](#)

### → Submit?

R 1  
T  
R 2  
T

output

Copy

4  
6

Language: GNU G++17 7.3.0 ▼

Choose file:  No file chosen

→ Last submissions

Submission	Time	Verdict
<a href="#">133411988</a>	Oct/29/2021 08:21	Accepted
<a href="#">132738113</a>	Oct/23/2021 03:49	Runtime error on test 1

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