

1456 - Help Required!!!

Description

Your little friend Lily is playing with some numbers (here "some" means up to 1000001 integers) and even when she knows there is exactly one number in the list which appears only once, and the others appears twice at most, she still takes too long on finding the answer for this question: what's value of the single element in the list? By "single" we mean the element appearing only once in the list. Please help Lily with your awesome coding skills.

Input specification

First line says the N which is the length of the given list ($1 \leq N \leq 1000001$). N lines follow each one with a single integer from the list. Integers from the list are in the range $[1, 10^9]$.

Output specification

A single integer with the required remainder.

Sample input

```
3
1
10
1
```

Sample output

```
10
```

Hint(s)

N is in the form $2 \cdot K + 1$, $0 \leq K \leq 500000$.

Source

Ray W. Robinson Valiente

Added by

ejaltuna

Caribbean Online Judge

Addition date	2011-05-07 23:11:30.0
Time limit (ms)	40000
Test limit (ms)	4000
Memory limit (kb)	65536
Output limit (mb)	64
Size limit (bytes)	100000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text