



Problem D. Unique Element

Time limit: 1 second

Memory limit: 256 megabytes

input: standard input

output: standard output

You are given an **odd** integer n along with a sequence a_1, a_2, \dots, a_n . There is one element occurs only once. Your task is to find it.

Input

The first line contains one odd integer n ($1 \leq n < 10^5$).

The second line contains n integers a_1, a_2, \dots, a_n ($-1000 \leq a_i \leq 1000$), indicating the given sequence.

Output

Print the unique one element.

Example

standard input	standard output
5 1 1 1 2 1	2