

Lonely Integer



Problem Statement

There are N integers in an array A . All but one integer occur in pairs. Your task is to find out the number that occurs only once.

Input Format

The first line of the input contains an integer N indicating the number of integers.
The next line contains N space separated integers that form the array A .

Constraints

$1 \leq N < 100$
 $N \% 2 = 1$ (N is an odd number)
 $0 \leq A[i] \leq 100, \forall i \in [1, N]$

Output Format

Output S , the number that occurs only once.

Sample Input:1

```
1
1
```

Sample Output:1

```
1
```

Sample Input:2

```
3
1 1 2
```

Sample Output:2

```
2
```

Sample Input:3

```
5
0 0 1 2 1
```

Sample Output:3

```
2
```

Explanation

In the first input, we see only one element and that element is the answer (1).

In the second input, we see three elements, one is repeated twice (1); the element that occurs only once is 2.

In the third input, we see five elements. 1 and 0 are repeated twice; the element that occurs only once is 2.