

Hit Rock Bottom

Develop a Python code to identify and display the smallest number in integer series

Input

In the first line, n indicates the total number of non-negative integers in the series. The subsequent n lines are non-negative integers with the highest number is 1000

Output

The smallest number from the integer series

Example

Input:

```
5
10
20
30
40
1
```

Output:

```
1
```