

E. Onotole needs your help

Time limit: 0.134s

Memory limit: 1536 MB



Onotole has a lot of pyani. Each pyani has a number, writing on it. Pyanis with equal numbers are indistinguishable. Onotole knows everything, so, he knows that each pyani appeared twice, and only one pyani is unique. He wants to get въздръжни ефект, and he needs the unique pyani. Given the list of pyanis denote which one of them appeared once (it is guaranteed that other pyanis appeared twice).

Input

First line of input contains number of pyanis $N \leq 500\,000$. Next N lines contain a single positive integer $1 \leq P_i \leq 10^9$.

Output

Output one positive integer on pyani, which appeared once.

Example**Input :**

31
8
1

Output :

8

Onotole has found not optimal AC algorithms, so all solutions will be rejudged. He is watching you.