LCC '18 Contest 5 J1 - Mints

Time Limit: 2.0s   **Memory Limit:** 64M

Derek loves mint candy. He has tried a variety of brands and has concluded that the strength of a mint, S, can be measured on a scale from 1 to 1000. Derek is looking for the perfect mint for his gf in an ideal world, Emily. From a pile of N mints, Emily only wants the second strongest candy. Can you help Derek out?

Input Specification

The first line of input will contain one integer, N $(2 \leq N \leq 10^5)$.

The next N lines will contain a single integer S $(1 \leq S \leq 1000)$.

Output Specification

Print the strength of the second strongest mint.

Sample Input 1

```
4
10
230
56
134
```

Sample Output 1

```
134
```

Sample Input 2

```
3
20
20
4
```

Sample Output 2

20