DMOPC '17 Contest 3 P1 - An Early Christmas Present

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

Your teacher has decided to give you an early Christmas present: they will drop one of your N test marks! Being a very academically focused student, you naturally want your resulting average of the remaining marks to be as high as possible. As a student at the prestigious DMCI: Modern Computing Institute, your marks do not simply range from 0 to 100, but have a much larger range. Which mark should you drop to maximize your average?

Constraints

Subtask 1 [10%]

$2 \leq N \leq 1\,000$
$-10^6 \leq A_i \leq 10^6$

Subtask 2 [90%]

$2 \leq N \leq 10^5$
$-10^9 \leq A_i \leq 10^9$

Input Specification

The first line of input will contain a single integer: N.
The next line will contain N space-separated integers: $A_1, A_2, \ldots, A_N$, the i^{th} of which corresponds to your i^{th} mark.

Output Specification

A single integer, the mark that when removed, maximizes the average of the remaining $N - 1$ marks.

Sample Input 1

```
5
98 -20 96 100 96
```

Sample Output 1

```
-20
```

Sample Input 2

```
4
3 3 1 1
```

Sample Output 2

```
1
```