## The Chosen One

You are given a sequence of $n$ integers, $a_{0}, a_{1}, \ldots, a_{n-1}$. Find and print any integer $x$ such that $x$ is divisor of every $a_{i}$ except for exactly one element.

## Input Format

The first line contains an integer, $n$, denoting the length of the sequence.
The second line contains $n$ positive space-separated integers describing $a_{0}, a_{1}, \ldots, a_{n-1}$.

## Constraints

- $1 \leq n \leq 10^{5}$
- $1 \leq a_{i} \leq 10^{18}$
- It is guaranteed that a solution exists.


## Output Format

Print any positive integer denoting $x$ such that $x$ is a divisor of exactly $n-1$ of the sequence's elements. $x$ must be between 1 and $2 \cdot 10^{18}$

## Sample Input 0

```
4
3}6181
```


## Sample Output 0

## Explanation 0

We are given the array $[3,6,18,12]$. There are two possible answers:

1. $x=6$ is a divisor of 6,12 , and 18 but not a divisor of 3 .
2. $x=2$ is a divisor of 6,12 , and 18 but not a divisor of 3 .

Thus, we can print either 6 or 2 as our answer.

