## Least common multiple                                    P96564_en

Segon Concurs de Programació de la FME (2005-05-05)

Write a program such that, given $n$ strictly positive natural numbers $x_1 \ldots x_n$, prints their least common multiple greater than zero.

### Input

Input consists of several cases. Each case begins with a number $n \geq 1$, followed by $x_1 \ldots x_n$. A special case with $n = 0$ marks the end of input.

### Output

For every case, print in a line the least common multiple greater than zero of $x_1 \ldots x_n$. For the given cases, this number will always be between 1 and $10^9$.

### Sample input

```
3  14 4 5
1  7
2  18 18
2  2000000 3000000
0
```

### Sample output

```
140
7
18
6000000
```

### Problem information

Author : Salvador Roura
Translator : Carlos Molina
Generation : 2024-05-03 09:42:13