
Least common multiple**P62143_en**

Your task is to write a program such that, given n strictly positive natural numbers x_1, \dots, x_n , prints their least common multiple greater than zero.

Input

The input consists of zero or more cases. Each case consists of two lines: the first one with a natural $n \geq 1$; the second one with x_1, \dots, x_n . A special line with $n = 0$ indicates the end of the input.

Output

For each case of the input, your program must print in a line the least strictly positive common multiple of x_1, \dots, x_n .

Observation

Use the function `lgcd()` of the exercise **MCD3**.

Sample input 1

```
3
14 4 5
1
7
0
```

Sample output 1

```
140
7
```

Problem information

Author: Salvador Roura

Translator: Carlos Molina

Generation: 2026-01-25T11:12:18.740Z

© Jutge.org, 2006–2026.

<https://jutge.org>