

# JudgeIt!

The Virtual Learning Environment for Computer Programming

---

## 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 `gcd()` of the exercise `LINK::MCD3`.

### Sample input

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

### Sample output

```
140
7
```

### Problem information

Author : Salvador Roura

Translator : Carlos Molina

Generation : 2010-07-30 10:19:01

© JudgeIt!, 2006–2010.

<http://www.jutge.org>