
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

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