Problem A. Not Divisible

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

Given is a number sequence A of length N.

Find the number of integers i $(1 \leq i \leq N)$ with the following property:

- For every integer j $(1 \leq j \leq N)$ such that $i \neq j$, A_j does not divide A_i.

Constraints

- All values in input are integers.
- $1 \leq N \leq 2 \times 10^5$
- $1 \leq A_i \leq 10^6$

Input

Input is given from Standard Input in the following format:

N
A_1 A_2 $\cdots$ A_N

Output

Print the answer.

Sample 1

Input	Output
5 24 11 8 3 16	3

The integers with the property are 2, 3, and 4.

Sample 2

Input	Output
4 5 5 5 5	0

Note that there can be multiple equal numbers.

Sample 3

Input	Output
10 33 18 45 28 8 19 89 86 2 4	5