Problem D. Divisors

Input file:	*standard input*
Output file:	*standard output*
Time limit:	3.5 seconds
Memory limit:	256 mebibytes

You are given a sequence of n integers $a_1, a_2, \ldots, a_n$. You should determine the number of such ordered pairs (i, j), that $i, j \in \{1, \ldots, n\}$, $i \neq j$ and a_i is a divisor of a_j.

Input

The first line of input contains one integer n ($1 \leq n \leq 2\,000\,000$). The second line contains a sequence of n integers $a_1, a_2, \ldots, a_n$ ($1 \leq a_i \leq 2\,000\,000$).

Output

In the first and only line of output should contain one integer, denoting the number of pairs sought.

Examples

standard input	standard output
5 2 4 5 2 6	6

Note

There are 6 pars with the specified properties: $(1, 2)$, $(1, 4)$, $(1, 5)$, $(4, 1)$, $(4, 2)$, $(4, 5)$.