## Finding GP

There is an array $A$ of $n$ elements. You need to tell the number of subsets of size greater than 1 which can form geometric progressions having integral common ratios.

## Constraints:

$1<=\mathrm{N}<=1 * 10^{\wedge} 4$
$1<=A[i]<=1000000$

## Input

The first line contains a single integer denoting the number of integers in the array ( N ). The second line contains $N$ space separated integers representing the elements of the array.

## Output

The output should contain a single line with the answer to this problem MODULUS 1000000007

## Example

## Input:

7
24428168

## Output:

41

