# **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<=N<=1\*10^4 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 2 4 4 2 8 16 8

Output: 41