Special Pairs.

You are given an array ***A*** of ***N*** elements. You have to find number of Special Pairs such that ***i < j (0≤ i , j ≤N-1)*** and **A[i] > 2*A[j].**

Input Format

- First line contains a single integer ***N*** - number of elements in the array
- Second line contains ***N*** integers $A_0, A_1, \ldots, A_{N-1}$ - elements of an array **A**.

Constraints

- $1 \leq N \leq 10^6$
- $1 \leq A_i \leq 10^9$

Output Format

A single integer denoting the number of Special Pairs.

Sample Input 0

```
5
1 3 2 3 1
```

Sample Output 0

```
2
```

Sample Input 1

```
5
2 4 3 5 1
```

Sample Output 1

```
3
```