

Problem Statement

Bidhan is trying to find twisty tuples in an array A .

Twisty tuple is a tuple of three numbers A_i , A_j and A_k such that, $A_k < A_i < A_j$ and $i < j < k$.

Given A , tell Bidhan how many twisty tuples exists on that array.

Input Format

First line of input contains N , number of integers in array A .

The next line will contain N space separated integers, i^{th} of these integers denotes A_i .

Output Format

Print the number of twisty tuples in a separate line.

Sample Input

```
6
1 6 3 4 7 4
```

Sample Output

```
1
```

Explanation

Only twisty tuple of the array is **6, 7, 4**.