Count Dracula 1

Problem Submissions Leaderboard

Count Dracula is interested in counting things in his retirement plan. He has learnt bubble sort in CS2022 class. He knows how it works. But he is keen to count how many swaps occur in an array when bubble sort is applied to sort in ascending order. Your task is to help Count Dracula to count the number of swaps for a given array.

Input Format

- ullet The first line contains the number of elements $oldsymbol{N}$ in the array
- ullet The next line contains $oldsymbol{N}$ integers of array $oldsymbol{A}$ seperated by spaces

Constraints

 $0 \le N \le 10^4$ $0 \le A_i \le 10^9$

Output Format

A single line containing the number of swaps

Sample Input 0

3 3 2 1

Sample Output 0

3

Explanation 0

In the first iteration, **3** and **2** are swapped and then **3** and **1** are swapped.

In the second iteration, $\mathbf{2}$ and $\mathbf{1}$ are swapped.

Therefore the total number of swaps is 3.

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Contest ends in 2 hours

Submissions: 197 Max Score: 100 Difficulty: Easy

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                                                                                      C++14
      #include <cmath>
   2 3 4
      #include <cstdio>
      #include <vector>
#include <iostream>
      #include <algorithm>
using namespace std;
   8
      ▼ int main() {
   9
          /* Enter your code here. Read input from STDIN. Print output to STDOUT */
   10 🔻
          return 0;
   11
  12
  13
                                                                                                                Line: 1 Col: 1
Run Code
                                                                                                               Submit Code
```

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