Birthday Cake Candles

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Colleen is turning n years old! She has n candles of various heights on her cake, and candle i has height $height_i$. Because the taller candles tower over the shorter ones, Colleen can only blow out the tallest candles.

Given the $height_i$ for each individual candle, find and print the number of candles she can successfully blow out.

Input Format

The first line contains a single integer, n, denoting the number of candles on the cake.
The second line contains n space-separated integers, where each integer i describes the height of candle i.

Constraints

- $1 \leq n \leq 10^5$
- $1 \leq height_i \leq 10^7$

Output Format

Print the number of candles Colleen blows out on a new line.

Sample Input 0

```
4
3 2 1 3
```

Sample Output 0

```
2
```

Explanation 0

We have one candle of height 1, one candle of height 2, and two candles of height 3. Colleen only blows out the tallest candles, meaning the candles where $height = 3$. Because there are 2 such candles, we print 2 on a new line.

```cpp
#include <map>
#include <set>
#include <list>
#include <cmath>
#include <ctime>
#include <deque>
#include <queue>
#include <stack>
#include <string>
#include <bitset>
#include <cstdio>
#include <limits>
#include <vector>
#include <climits>
#include <cstring>
#include <cstdlib>
#include <fstream>
#include <numeric>
#include <sstream>
#include <iostream>
#include <algorithm>
#include <unordered_map>

using namespace std;


int main(){
    int n;
    cin >> n;
    vector<int> height(n);
    int max = 0; int cnt = 0;
    for(int height_i = 0;height_i < n;height_i++){
       cin >> height[height_i];
        if (height[height_i] > max) {
            max = height[height_i];
            cnt = 1;
        } else if (height[height_i] == max) cnt++;
    }
    cout << cnt;
    return 0;
}

```

Line: 1 Col: 1

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