```cpp
#include <bits/stdc++.h>
using namespace std;
int b[1000000];

int main() {

    int n;
    cin >> n;
    int a[n] = {0};

    for (int i = 0; i < n; ++i) {
        cin >> a[i];
    }

    sort(a, a+n);

    int box = 0;

    //int b[n] = {0};
    int c = 0;

    for (int i = 0; i < n-1; ++i) {
        if (a[i] < a[i+1]) {
            b[c] = b[c]+1;
            ++c;
        } else if (a[i] == a[i+1]) {
            b[c] = b[c] + 1;
            //cout << "OK" << c << endl;
        }
    }
    if (a[n-1] == a[n-2]) {
        //--c;
        b[c] = b[c]+1;
```

```cpp
    } else {
        //++c;
        b[c] = b[c]+1;
    }

    //for (int i = 0; i < 1000000; ++i) {
        //if (b[i] == 0) break;
        //cout << b[i] << endl;
        //b[i] = b[i] - b[i+1];
    //}

    for (int i = 0; i < 1000000; ++i) {
        if (b[i] > box) box = b[i];
    }

    cout << box << endl;

}
```