

最长上升子序列

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#include <bits/stdc++.h>
using namespace std;

const int N = 2e5 + 5;

int q[N], a[N];
int main(){
    int n;
    cin >> n;
    for(int i = 0; i < n; i++){
        cin >> a[i];
    }
    int len = 0;
    q[0] = -2e9;
    for(int i = 0; i < n; i++){
        int l = 0, r = len;
        while(l < r){
            int mid = l + r + 1 >> 1;
            if(q[mid] < a[i]) l = mid;
            else r = mid - 1;
        }
        q[r + 1] = a[i];
        len = max(len, r + 1);
    }
    cout << len;
    return 0;
}
```