Queries for greater than and not less than

给定数组arr（长度N）和Q次查询，每次查询给定两个数q和x，其中0 ≤ q ≤ 1；如果q=0，则查询数组中 ≥x的数的个数，如果q=1,则查询大于x的数的个数

```cpp
#include <bits/stdc++.h>

using namespace std;

int lower_bound(vector<int> &arr, int low, int high, int target) {
    while (low < high) {
        int mid = low + (high - low) / 2;
        if (arr[mid] >= target) high = mid;
        else low = mid + 1;
    }
    return low;
}

int upper_bound(vector<int> &arr, int low, int high, int target) {
    while (low < high) {
        int mid = low + (high - low) / 2;
        if (arr[mid] <= target) low = mid + 1;
        else high = mid;
    }
    return low;
}

int main() {
    int T;
    scanf("%d", &T);
    while (T--) {
        int N, Q;
        scanf("%d %d", &N, &Q);
        vector<int> arr(N);
        for (int i = 0; i < N; ++i) scanf("%d", &arr[i]);
        while (Q--) {
            int type, target;
            scanf("%d %d", &type, &target);
            !type ? printf("%d\n", N - lower_bound(arr, 0, N - 1, target)) : printf("%d\n", N - upper_bound(arr, 0, N - 1, target));
        }
    }
}
```