

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

struct coder
{
    int x,y,index;
};
int bit[100001];

void update(int y){

    for(;y<=100000;y+= y&(-y)){
        bit[y]++;
    }
}

int query(int y){
    int value = 0;
    for(;y>0;y-= y&(-y)){
        value += bit[y];
    }
    return value;
}

bool operator < (coder A, coder B){
    if(A.x == B.x){
        return A.y < B.y;
    }
    return A.x < B.x;
}

int main(){

    int n;
    cin >> n;
    coder arr[n];

    for(int i=0;i<n;i++){
        cin>>arr[i].x >> arr[i].y;
        arr[i].index = i;
    }

    sort(arr,arr+n);
    int ans[n];
    for(int i=0;i<n;){
        int endIndex = i;

        while(endIndex <n && arr[endIndex].x == arr[i].x && arr[endIndex].y == arr[i].y){
            endIndex++;
        }
    }
}
```

```

// query

for(int j=i;j<endIndex;j++){
    ans[arr[j].index] = query(arr[j].y);
}

for(int j=i;j<endIndex;j++){
    update(arr[j].y);
}

i = endIndex;

// update
}

for(int i=0;i<n;i++){
    cout << ans[i] <<endl;
}

return 0;
}

```