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1  /***** BIT *****/
2  #include <bits/stdc++.h>
3  using namespace std;
4  vector<int> r;
5  int t[200002];
6  struct li
7  {
8      int x;
9      int y;
10     int z;
11 } firo[200002];
12
13 bool comp(li a, li b)
14 {
15     if(a.y != b.y)
16         return a.x > b.x;
17     return a.y > b.y;
18 }
19 void inc(int i, int val) { i |= i + 1;
20     for(; i < r.size(); i |= i + 1)
21         t[i] += val;
22 }
23
24 int sum(int i) {
25     int ans = 0;
26     for(; i >= 0; i = (i & (i + 1)) - 1)
27         ans += t[i];
28     return ans;
29 }
30 int ans1[200002];
31
32 int main()
33 {
34     int a, b, c, d, e, i, j, k, p, q;
35     scanf("%d", &a);
36     for(i = 1; i <= a; i++)
37     {
38         scanf("%d %d", &firo[i].x, &firo[i].y);
39         firo[i].z = i;
40         r.push_back(firo[i].y);
41     }
42     sort(firo + 1, firo + a + 1, comp);
43     sort(r.begin(), r.end());
44     for(i = 1; i <= a; i++)
45     {
46         b = (int)(lower_bound(r.begin(), r.end(), firo[i].y) - r.begin());
47         ans1[firo[i].z] = sum(b);
48         inc(b, 1);
49     }
50     for(i = 1; i <= a; i++)
51     {
52         printf("%d", ans1[i]);
53         cout << endl;
54     }
55     return 0;
56 }
57
58

```