Ans to the qs no 1  
  
  
#include<bits/stdc++.h>

using namespace std;

#define pb push\_back

#define nl '\n'

#define optimize() ios\_base::sync\_with\_stdio(0);cin.tie(0);cout.tie(0);

typedef struct all

{

int start;

int End;

int act;

int diff;

}all;

bool cmp(all a ,all b)

{

return a.diff < b.diff;

}

void solve()

{

//cout << "Enter the number of activites" << nl;

int n;

cin >> n;

all p;

int s , E;

vector<all>v;

for(int i = 0 ; i < n ; i++)

{

cin >> p.start >> p.End;

p.diff = p.End-p.start;

p.act = i+1;

v.pb(p);

}

sort(v.begin(),v.end(),cmp);

vector<int>v1;

v1.pb(v[0].act);

for(int i = 0 ; i < v.size() ; i++)

{

if(v[i].End <= v[i+1].start)

{

v1.pb(v[i+1].act);

}

}

for(int i = 0 ; i < v1.size() ; i++)

{

cout << v1[i] << " ";

}

cout << nl;

}

int main()

{

optimize();

solve();

return 0;

}