class Solution {

unordered\_map<int,vector<int> > gr,gc;

map<pair<int,int>,int > vis;

int co;

public:

void dfs(int i,int j){

co++;

vis[{i,j}]=1;

// cout<<i<<" "<<j<<"\n";

for(auto y:gc[i]){

if(y!=j && !vis[{i,y}]){

dfs(i,y);

}

}

for(auto x:gr[j]){

if(x!=i && !vis[{x,j}]){

dfs(x,j);

}

}

}

int removeStones(vector<vector<int>>& stones) {

for(auto s:stones){

gc[s[0]].push\_back(s[1]);

gr[s[1]].push\_back(s[0]);

}

int n=stones.size();

int ma=0;

for(auto s:stones){

co=0;

dfs(s[0],s[1]);

ma+=co-1;

}

return ma;

}

};