Count the number of complete components

class Solution {

List<List<Integer>> adj;

boolean visit[];

int vcnt,ecnt;

void dfs(int n){

visit[n] = true;

++vcnt;

for(var c:adj.get(n)){

ecnt++;

if(!visit[c]){

dfs(c);

}

}

50

}

public int countCompleteComponents(int n, int[][] edges) {

adj = new ArrayList<>();

visit = new boolean[n];

for(int i = 0;i < n;i++) adj.add(new ArrayList<>());

for(var e:edges){

adj.get(e[0]).add(e[1]);

adj.get(e[1]).add(e[0]);

}

int ans = 0;

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

if(!visit[i]){

vcnt = 0;

ecnt = 0;

dfs(i);

if((vcnt \* (vcnt - 1)) == ecnt) ++ans;

}

}

return ans;

}

}