#include <iostream>

using namespace std;

#include <iostream>

#include <vector>

using namespace std;

class maxvalue

{

public:

int Rank(int n,vector<vector<int>> cable )// max degree b/w n array n\*n

{

int links[100][100]={0};//link b/w same lab rank 0

int deg[100] = {0};

for (auto r : cable)

{

links[r[0]][r[1]]=1;// bidirectional link b/w two nodes

links[r[0]][r[0]]=1;

deg[r[0]]++;// when it conned to different lab rank will increase

deg[r[1]]++;

}

int res = 0; // intialy consider rank 0

for(int i=0;i<100;i++) //arry[i]th elemets

{

for(int j=0;j<100;j++)// array[j]th elemets

{

if(i != 0)// a != b

{

int value = deg[i]+deg[j];

if(links[i][j])//a = b

value--;

res = max(res, value);// max rank

}

}

}

cout<<"res"<<res<<ends;

return 0;

}

};