**package** com.compi.home;

**import** java.util.\*;

**import** java.io.\*;

**public** **class** Spoj {

**static** Scanner *sc* = **new** Scanner(System.***in***);

**public** **static** **int** code(**int** s,**int** x) **throws** Exception{

**for** (**int** i = 0; i < s; i++) {

//String s1= sc.next();

StringBuffer s1= **new** StringBuffer();

s1.append(*sc*.nextLine());

**int** a = (**int**) s1.charAt(0)-48;

**int** b = (**int**) s1.charAt(2)-48;

**if** (x == a ) {

x =b;

}

**else** **if** ( x == b) {

x = a;

}

}

**return** x;

}

**public** **static** **void** main(String[] args) **throws** Exception {

System.***out***.println("Code is running");

**int** test =*sc*.nextInt();

**while**(test>0) {

**int** n;

**int** x;

**int** s;

**try** {

StringBuffer str= **new** StringBuffer();

str.append(*sc*.nextLine());

//System.out.println(str);

n= (**int**) str.charAt(0)-48;

x= (**int**) str.charAt(2)-48;

s= (**int**) str.charAt(4)-48;

System.***out***.println(*code*(s,x));

}

**catch** (Exception e) {

System.***out***.println("Eection should be done someting");

e.printStackTrace();;

}

}

test--;

}

}

CPP Code

#include <iostream>

using namespace std;

int code(int s,int x) {

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

int a,b;

cin>>a;

cin>>b;

if (x == a ) {

x =b;

}

else if ( x == b) {

x = a;

}

}

return x;

}

int main() {

int test ;

cin>>test;

while(test>0) {

int n,x,s;

cin>>n>>x>>s;

cout<<code(s,x)<<”\n”;

test--;

}

}

Second Problem

#include <iostream>

using namespace std;

bool c=0;

bool d=0;

bool know(int n, int x){

int a=n-1;

bool b=false;

if(a%x==0){

b=true;

}

a=a-1;

if(a%x==0 &&a!=0){

c=true;

}

return b;

}

bool pow1(int m, int y){

int a=m-1;

bool b=false;

if(a%y==0){

b=true;

}

a=a-1;

if(a%y==0 && a!=0){

d=true;

}

return b;

}

int main()

{

int test;

cin>>test;

while(test--){

c=false;

d=false;

int n,m,x,y;

cin>>n>>m>>x>>y;

bool k=know(n,x);

bool p =pow1(m,y);

if(n==2 && m==2){

cout<<"Chefirnemo";

}

else if(k && p){

cout<<"Chefirnemo";

}

else if(c && d){

cout<<"Chefirnemo";

cout<<"(pow1(d)-"<<d<<"\n";

}

else{

cout<<"Pofik";

}

cout<<"(know(n,x)-"<<know(n,x)<<"\n";

cout<<"(pow1(n,x)-"<<pow1(m,y)<<"\n";

cout<<"(know(c)-"<<c<<"\n";

}

return 0;

}