---------------- 2---------------------

package ygs2011soru2;

ppublic class Ygs2011Soru2 {

public static double eval(String str) {

return new Object() {

int pos = -1, ch;

void nextChar() {

ch = (++pos < str.length()) ? str.charAt(pos) : -1;

}

boolean eat(int charToEat) {

while (ch == ' ') nextChar();

if (ch == charToEat) {

nextChar();

return true;

}

return false;

}

double parse() {

nextChar();

double x = parseExpression();

if (pos < str.length()) throw new RuntimeException("Unexpected: " + (char)ch);

return x;

}

// kural:

// ifade = term | ifade `+` term | ifade `-` term

// term = factor | term `\*` factor | term `/` factor

// factor = `+` factor | `-` factor | `(` ifade `)`

// | rakam | fonksiyon factor | factor `^` factor

double parseExpression() {

double x = parseTerm();

for (;;) {

if (eat('+')) x += parseTerm(); // ekleme

else if (eat('-')) x -= parseTerm(); // cikarma

else return x;

}

}

double parseTerm() {

double x = parseFactor();

for (;;) {

if (eat('\*')) x \*= parseFactor(); // carpma

else if (eat('/')) x /= parseFactor(); // bolme

else return x;

}

}

double parseFactor() {

if (eat('+')) return parseFactor(); // tekli artı

if (eat('-')) return -parseFactor(); // tekli eksi

double x;

int startPos = this.pos;

if (eat('(')) { // parantezler

x = parseExpression();

eat(')');

} else if ((ch >= '0' && ch <= '9') || ch == '.') { // rakamlar

while ((ch >= '0' && ch <= '9') || ch == '.') nextChar();

x = Double.parseDouble(str.substring(startPos, this.pos));

} else if (ch >= 'a' && ch <= 'z') { // fonkisyonlar

while (ch >= 'a' && ch <= 'z') nextChar();

String func = str.substring(startPos, this.pos);

x = parseFactor();

if (func.equals("sqrt")) x = Math.sqrt(x);

else if (func.equals("sin")) x = Math.sin(Math.toRadians(x));

else if (func.equals("cos")) x = Math.cos(Math.toRadians(x));

else if (func.equals("tan")) x = Math.tan(Math.toRadians(x));

else throw new RuntimeException("Unknown function: " + func);

} else {

throw new RuntimeException("Unexpected: " + (char)ch);

}

if (eat('^')) x = Math.pow(x, parseFactor()); // üs alma

return x;

}

}.parse();

}

public static void main(String[] args) {

System.out.println(eval("((5 - 2 + 1) \* 2 ^ 1)"));

}

}

--------------------------------- 7-----------------------------------------

package ygs2011soru7;

import java.util.Scanner;

public class Ygs2011Soru7 {

public static int fak(int n) {

int carp = 1;

for (int i = 1; i <= n; i++) {

carp \*= i;

}

return carp;

}

public static void main(String[] args) {

Scanner k = new Scanner(System.in);

int cevablar[] = new int[5];

System.out.println("Faktoriyel degeri gir");

int x = k.nextInt();

long z = fak(x);

for (int i = 0; i < 5; i++) {

char c = (char) (i + 65);

System.out.println(c + " şıkkı gir");

int q = k.nextInt();

cevablar[i] = q;

}

//cevablari kucukten buyuge siralamasi icin

for (int i = 0; i < cevablar.length; i++) {

for (int j = 0; j < cevablar.length - 1; j++) {

if (cevablar[j + 1] < cevablar[j]) {

int temp = cevablar[j];

cevablar[j] = cevablar[j + 1];

cevablar[j + 1] = temp;

}

}

}

//cevablari teker teker kontrol etmek icin

for (int i = 0; i < cevablar.length; i++) {

double f = Math.floor(Math.sqrt(z \* cevablar[i]));

if (f == Math.sqrt(z \* cevablar[i])) {

System.out.println("\nx'nin en kucuk alabilecegi deger:" + cevablar[i]);

break;

}

}

}

}

---------------------------------- 12 ---------------------------------------

package ygs2011soru12;

import java.util.Scanner;

public class Ygs2011Soru12 {

public static boolean tekMi(){

return false;

}

public static void main(String[] args) {

Scanner k = new Scanner(System.in);

System.out.println("x katlarini girin");

int x=k.nextInt();

System.out.println("y katlarini girin");

int y=k.nextInt();

System.out.println("aradaki islem gir");

char c = k.next().charAt(0);

System.out.println("sonuc girin");

int sonuc = k.nextInt();

System.out.println(x+"x"+c+y+"y="+sonuc);

if (sonuc%2!=0) { // sonuc tek oldugunda

if (x%2==y%2) { // iki sayinin katlari ayni

if (x%2==0) { // iki sayinin katlari cift ise

System.out.println("Yanlis ifade iki sayi katlari cift oldugund sonuc tek cikmaz");

}

else{ // iki sayinin katlari tek ise

System.out.println("bir sayi tek digeri cift ama hangisi tek hangisi cift bilemeyiz");

}

}

else{

if (x%2!=0) { //x kati tek y kat cift ise

System.out.println("x tektir");

}

else{

//System.out.println("x tek yada cift");

}

if(y%2 != 0){ //y kati tek x kat cift ise

System.out.println("Y tektir");

}

else{

//System.out.println("y tek yada cift");

}

}

}

else{ // sonuc cift oldugunda

if (x%2 == y%2) {//iki sayinin katlari ayni ise

System.out.println("ikisi ayni ya ikisi tek yada ikisi cift");

}

else{

if (x%2==0) {

//System.out.println("tek yada cift bilemeyiz");

}

else{

System.out.println("x cift");

}

if (y%2==0) {

//System.out.println("tek yada cift bilemeyiz");

}

else{

System.out.println("y cift");

}

}

}

}

}

------------------------------- 17 --------------------------------

package ygs2011soru17;

import java.util.Scanner;

public class Ygs2011Soru17 {

public static void main(String[] args) {

Scanner klavye = new Scanner(System.in);

System.out.println("k kat sayisi gir");

int k=klavye.nextInt();

System.out.println("ikinci sayiyi gir");

int sayi=klavye.nextInt();

System.out.println("hangi sayinin kati oldugunu gir");

int z=klavye.nextInt();

System.out.println("ust sinir belirle");

int ustSinir=klavye.nextInt();

int kSayisi=0;

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

if ((k\*i+sayi)%z==0) {

kSayisi++;

}

}

System.out.println(kSayisi);

}

}

---------------------- 22 -------------------------

package ygs2011soru22;

import java.util.Scanner;

public class Ygs2011Soru22 {

public static void main(String[] args) {

Scanner k = new Scanner(System.in);

System.out.println("sirayla kac kadin kac gunde bitirir");

int kSayisi=k.nextInt();

int kSure=k.nextInt();

System.out.println("sirayla kac erkek kac gunde bitirir");

int eSayisi =k.nextInt();

int eSure = k.nextInt();

System.out.println("sirayla kac kadin kac erkek birlikte calisacak");

int kadin=k.nextInt();

int erkek=k.nextInt();

double X=(kSayisi\*kSure)/kadin;

double Y=(eSayisi\*eSure)/erkek;

System.out.println(kadin+" kadin bu isi "+X+" gunde bitirir");

System.out.println(erkek+" erkek bu isi "+ Y +" gunde bitirir");

double z = 1/X + 1/Y;

System.out.println("Ayni isi birlikte yaparsa 1 gunde isin "+z+"% yapmis olurlar");

z=1/z;

System.out.println(kadin+" kadin ve "+erkek+"erkek bu isi "+z+" gunde bitirirler");

}

}

------------------------ 27 ------------------------

package ygs2011soru27;

import java.util.Scanner;

public class Ygs2011Soru27 {

public static void main(String[] args) {

Scanner k = new Scanner(System.in);

System.out.println("toplam top sayisi gir");

int topSayisi=k.nextInt();

System.out.println("1. torbadaki kirmizi top sayisi gir");

int k1=k.nextInt();//3

System.out.println("1. torbadaki beyaz top sayisi gir");

int k2=k.nextInt();//1

System.out.println("2. torbadaki kirmizi top sayisi gir");

int k3=k.nextInt();//1

System.out.println("2. torbadaki beyaz top sayisi gir");

int k4=k.nextInt();//1

System.out.println("iki torbadan kirmizi top cekme olasiligi gir pay sonra payda");

double pay=k.nextInt();

double payda=k.nextInt();

double oran =pay/payda;

double X=0.0,Y=0.0;

double x2,y2;

for (double x = (k1+k2); x <= (topSayisi -(k3+k4)); x=x+1.0) {

for (double y = (k3+k4); y <= (topSayisi -(k1+k2)); y=y+1.0) {

if ((k1/x)\*(y/(topSayisi-x))==oran && X==0.0) {

X=x;

Y=y;

break;

}

}

}

x2= topSayisi-X;

y2=x2-Y;

System.out.println("---------");

System.out.println("1. torpa top sayisi: "+X);

System.out.println("2. torpa top sayisi: "+x2);

System.out.println("-------------------");

System.out.println("1. torpa kirmizi top sayisi: "+k1);

System.out.println("1.torpa beyaz top sayisi: "+(X-k1));

System.out.println("----------------------------");

System.out.println("2. torpa kirmizi top sayisi: "+Y);

System.out.println("2.torpa beyaz top sayisi: "+y2);

System.out.println("----------------------");

}

}

------------------------ 32 --------------------------------

package ygs2011soru32;

import java.util.Scanner;

public class Ygs2011Soru32 {

public static void main(String[] args) {

Scanner k = new Scanner(System.in);

System.out.println("kadin degisiklik sayisi gir");

double Ks= k.nextDouble();

System.out.println(Ks+" tane kadin degisikliktan sonra kadin otobusu yuzde kaci olur gir pay sonra payda gir");

double k1=k.nextDouble();

double k2=k.nextDouble();

double kOran = k1/k2;

System.out.println("inan erkek degisiklik sayisi gir");

double Es= k.nextDouble();

System.out.println(Es+" tane erkek degisikliktan sonra erkek otobusu yuzde kaci olur pay sonra payda gir");

double e1 = k.nextDouble();

double e2 = k.nextDouble();

double eOran = e1/e2;

double d1 = 1.0-kOran;// kadin degisiklikten sonra erkek orani

double d2= (double)eOran;// erkek degisiklikten sonra erkek orani

double s =(double) Es; // erkek degisiklik orani

double y =(double) Ks; // kadin degisiklik orani

double x= (Math.abs(s)-(d1\*y)-(d2\*Math.abs(s)))/(d1-d2);// x= yolcu sayisi

x= Math.ceil(x);

double kadin= (kOran\*(x+Ks))-Ks;

System.out.println("kadin yolccu sayisi: "+kadin);

double erkek=(eOran\*(x+Es))-Es;

System.out.println("erkek yolccu sayisi: "+erkek);

System.out.println("toplam yolcu sayisi: "+x);

}

}

------------------------ 37 ---------------------------------

package ygs2011soru37;

import java.util.Scanner;

public class Ygs2011Soru37 {

public static void main(String[] args) {

Scanner k = new Scanner(System.in);

System.out.println("r gir (kucuk yay)");//kucuk yay

String R = k.next();

System.out.println("c gir (r'ya artima miktari)");

String C = k.next();

System.out.println("yayin Acini gir");

String A = k.next();

if (R.charAt(0)>='0'&&R.charAt(0)<='9') {

double r = Double.parseDouble(R);

double c = Double.parseDouble(C);

double a = Double.parseDouble(A);

double kAlan =Math.PI\*Math.pow(r, 2)\*(a/360.0);

double bAlan =Math.PI\*Math.pow((r+c), 2)\*(a/360.0);

double TaraliAlan = bAlan-kAlan;

System.out.println("kucuk alan: "+kAlan);

System.out.println("Buyuk alan: "+bAlan);

System.out.println("Tarali Alan: "+TaraliAlan);

}

else{

System.out.println("Buyuk Alan = Pi \* ( "+R+"+"+C+")^2 \*"+A+"/360");

System.out.println("Kucuk Alan = Pi \* "+R+"^2 \*"+A+"/360");

System.out.println("Tarali alan = pi\*2\*"+C+"\*"+A+"\*"+R+"\*"+"+pi\*"+A+"\*"+C+"^2 /360");

}

}

}

---------------------- son---------------------