CODEFUN ANSWERSHEET

Generated by bentokun's codefun generator

P00001

var a: integer;

begin

readln(a);

writeln(a \* 2);

end.

P00002

var a, b, c: integer;

begin

readln(a,b,c);

writeln((a-b)\*c);

end.

P00003

uses sysutils;

var c: char;

begin

readln(c);

writeln(LowerCase(c));

end.

P00004

var n: Int64;

begin

readln(n);

writeln(n - (n-1) div 2 - 1);

end.

P00005

#include <iostream>

int main(){

int n = 0;

std::cin >> n;

if (2\*n < n + 1) {

std::cout << "0" << std::endl;

}

else

{

std::cout << (n\*n - n);

}

}

P00006

var s, sn: string;

i: integer;

begin

readln(s);

for i:=1 to length(s) do

begin

insert(s[i], sn, 1);

end;

writeln(sn);

end.

P00007

var a,b:integer;

begin

readln(a,b);

writeln(a+b+a\*b);

end.

P00008

uses sysutils;

var c: char;

begin

readln(c);

writeln(UpperCase(c));

end.

P00009

var a: char;

n: integer;

begin

readln(a, n);

if (ord(a) + n) > 122 then

begin

writeln(chr((ord(a) + n) mod 122 + 96));

end

else

writeln(chr(ord(a) + n));

end.

P00010

uses sysutils;

var a: char;

begin

readln(a);

if (a <> 'Z') then

writeln(chr(ord(LowerCase(a)) + 1));

end.

P00011

#include <iostream>

#include <cmath>

int main () {

float a, b, c;

std::cin >> a >> b >> c;

float p = (a + b + c) / 2;

if ((a + b > c) && (b + c > a) && (a + c > b))

std::cout << sqrt(p \* (p-a) \* (p-b) \* (p - c)) << std::endl;

}

P00012

var n, m, i, j: integer;

begin

readln(n, m);

for i:=1 to n do

begin

for j:=1 to m do

write('#');

writeln;

end;

end.

P00013

var n, i: integer;

t: Int64;

begin

readln(n);

t:=1;

for i:=1 to n do

t:=t\*i;

writeln(t);

end.

P00014

var a, t, b: char;

begin

readln(a, t, b);

if (ord(b) > ord(a)) then

writeln(ord(b)- ord(a) - 1)

else

writeln(0);

end.

P00015

var s: string;

i: longint;

begin

readln(s);

write(s);

for i:=length(s) downto 1 do

begin

write(s[i]);

end;

end.

P00016

var c: char;

begin

readln(c);

write(c);

write(c);

write(c);

write(c);

write(c);

write(c);

write(c);

write(c);

write(c);

write(c);

end.

P00017

var a, b, c: Int64;

begin

readln(a, b, c);

if ((a+ b > c) and (b+c>a) and (a+c > b)) then

writeln('YES')

else

writeln('NO');

end.

P00018

var n, i: integer;

a: array[1..2000] of longint;

begin

readln(n);

for i:=1 to n do

readln(a[i]);

writeln(a[1]);

writeln(a[n]);

end.

P00019

var a: Int64;

begin

while (a<>19) do readln(a);

writeln(19);

end.

P00020

uses sysutils;

var s: string;

begin

readln(s);

writeln(UpperCase(s[5]),' ',UpperCase(s[9]));

end.

P00021

var n, i, j: longint;

begin

readln(n);

for i:=1 to n do

begin

for j:=1 to n - i + 1 do

write('\*');

writeln;

end;

end.

P00022

var n: longint;

begin

readln(n);

writeln(n\*n);

end.

P00025

var s: string;

begin

readln(s);

writeln(s,' ',s);

end.

P00026

var a, b, c, max: longint;

begin

readln(a, b, c);

if (a > b) then max:= a else max:=b;

if (c > max) then max:=c;

if (max = c) then

begin

if (a > b) then

writeln(b, a, c)

else

writeln(a, b, c);

end

else if (max = b) then

begin

if (a > c) then

writeln(c, a, b)

else

writeln(a, c, b);

end

else

begin

if (b > c) then

writeln(c, b, a)

else

writeln(b, c, a);

end

end.

P00027

var n, i: integer;

label l;

begin

readln(n);

for i:=2 to trunc(sqrt(n)) do

begin

if n mod i = 0 then

begin

writeln(i);

goto l;

end;

end;

writeln('YES');

l:

end.

P00028

var i, t, n, k: integer;

begin

readln(n, k);

{

for i:=1 to n do

begin

t:= t + i \* i;

end;

t:= t + ((1 + n) \* n) div 2 \* k;

writeln(t);}

for i:=1 to n do

begin

t:= t + i\*(i+k);

end;

writeln(t);

end.

P00029

#include <stdio.h>

#include <iostream>

void input(double &a,double &b,double &c)

{

std::cin >> a >> b >> c;

if (c < a) a -= c = -(c -= a += c);

if (c < b) b -= c = -(c -= b += c);

if( b < a) a -= b = -(b -= a += b);

}

int trigon(double a,double b,double c)

{

a = a\*a + b\*b; c = c\*c;

if (a > c) return 1;

if (a == c) return 0;

return 2;

}

int main()

{

double a, b, c;

input(a,b,c);

std::cout << trigon(a, b, c) << std::endl;

return 0;

}

P00031

var n: longint;

begin

readln(n);

writeln(n \* (n-1) \* (n-2) div 6);

end.

P00032

var s, st: string;

i: longint;

begin

readln(s);

for i:=1 to length(s) do

begin

st := Copy(s, 1, i);

writeln(st);

end;

for i:=length(s) downto 1 do

begin

st := Copy(s, 1, i);

writeln(st);

end;

end.

P00033

var n, k, q, r: integer;

label l;

begin

readln(n, k);

for q:= 0 to round(n / k) do

begin

r:= n - q \* k;

if (k>r) and (r >= 0) then

begin

writeln(q+r);

goto l;

end;

end;

writeln(0);

l:

end.

P00105

var n: longint;

begin

readln(n);

if (n mod 400 = 0) then

writeln(1)

else

writeln(0);

end.

P00107

var x1, y1, x2, y2, x3, y3: Int64;

d1, d2, d3: real;

begin

readln(x1, y1, x2, y2, x3, y3);

d1 := sqrt((x1 -x2) \* (x1 - x2) + (y1-y2)\*(y1-y2));

d2 := sqrt((x1 -x3) \* (x1 - x3) + (y1-y3)\*(y1-y3));

d3 := sqrt((x3 -x2) \* (x3 - x2) + (y3-y2)\*(y3-y2));

if ((d1 + d2 = d3) or (d1 + d3 = d2) or (d2 + d3 = d1)) then

writeln(1)

else

writeln(0);

end.

P00108

var a, b: Int64;

begin

readln(a, b);

if (a>b) then

writeln('YES')

else

writeln('NO');

end.

P00203

var n, f,i: longint;

a: array[1..10000] of longint;

found: boolean;

begin

readln(n);

for i:=1 to n do

read(a[i]);

readln;

readln(f);

found:=false;

for i:=1 to n do

if (a[i] = f) then

found:=true;

if (found) then writeln(1) else writeln(0);

//readln;

end.

P00204

var n, i: longint;

function prime(n: longint): boolean;

var i: longint;

begin

for i:=2 to trunc(sqrt(n)) do

begin

if n mod i = 0 then

exit(false);

end;

exit(true);

end;

//readln;

begin

readln(n);

for i:=2 to n-1 do

begin

if prime(i) then

begin

write(i,' ');

end;

end;

//readln;

end.

P00205

var n, i: longint;

begin

readln(n);

for i:=1 to n do

begin

if n mod i = 0 then

write(i,' ');

end;

//readln;

end.

P00206

var n, i: longint;

prime: boolean;

begin

readln(n); prime:= true;

if (n<2) then prime:=false else

for i:=2 to trunc(sqrt(n)) do

if (n mod i = 0) then

prime:= false;

if prime then writeln(1) else writeln(0);

readln;

end.

P00221

var n: longint;

begin

readln(n);

writeln((1+n)\*n div 2);

end.

P00222

var n: longint;

begin

readln(n);

writeln(((n div 2 \* 2) + 2) \* (((n div 2 \* 2) - 2) div 2 + 1) div 2);

end.

P00223

var n: longint;

begin

readln(n);

writeln((n + (n mod 2)) \* ((n + n mod 2 - 2) div 2 + 1) div 2);

end.

P00224

var n, i, j: longint;

begin

readln(n);

for i:=1 to n do

begin

for j:=1 to n do

write(n,' ');

writeln;

end;

end.

P00225

var m, n, i, j: longint;

begin

readln(n,m);

for i:=1 to n do

begin

for j:=1 to m do

begin

write('# ');

end;

writeln;

end;

end.

P00229

var n, m, i, j: integer;

begin

readln(n, m);

for i:=1 to n do

begin

for j:= 1 to n do

write(m,' ');

writeln;

end;

end.

P00232

var s: string;

begin

readln(s);

writeln(length(s) - 1);

end.

P00234

var i, n, m: longint;

begin

readln(n, m);

for i:=1 to n do

begin

if (i mod m = 0) then

writeln(i);

end;

end.

P00240

var a: longint;

begin

readln(a);

writeln(a\*a);

end.

P00401

var s: string;

begin

readln(s);

writeln(length(s));

end.

P00402

var s: string;

i,c: longint;

begin

readln(s);

if (s[1]<>' ') and (ord(s[1]) <> 0) then inc(c);

for i:=1 to length(s) do

begin

if ((s[i] = ' ') and ((s[i+1] <> ' ') and (ord(s[i+1]) <> 0))) then

begin

c:=c+1;

end;

end;

writeln(c);

//readln;

end.

P00403

uses sysutils;

var s:string;

m, i,j:integer;

cc:array[1..200] of longint;

c:array[1..200] of char;

begin

readln(s);

readln(m);

for i:=1 to m do

readln(c[i]);

for i:=1 to length(s) do

begin

for j:=1 to m do

begin

if (s[i]= c[j]) then

inc(cc[j]);

end;

end;

for i:=1 to m do

writeln(cc[i]);

end.

P00404

uses sysutils;

var a: array[1..30] of char;

c, i, j: integer;

s: string;

loop: boolean;

begin

readln(s);

c:=1;

for i:=1 to length(s) do

begin

loop:=false;

if ((s[i] in ['a'..'z']) or (s[i] in ['A' .. 'Z'])) then

begin

for j:=1 to c do

if (a[j] = LowerCase(s[i])) then loop:=true;

if (loop <> true) then

begin

a[c] := LowerCase(s[i]);

c:=c+1;

end;

end;

end;

if (c>=26) then writeln('YES') else writeln('NO');

end.

P00405

var s: string;

i: integer;

not\_pand: boolean;

begin

readln(s);

not\_pand:= false;

for i:=1 to length(s) do

begin

if (s[i] <> s[length(s) - i + 1]) then

not\_pand:= true;

end;

if (not\_pand) then write('NO') else writeln('YES');

readln;

end.

P00406

var pass: string;

upper\_cased, lower\_cased, numbered, least\_count,invaild: boolean;

i: longint;

begin

readln(pass);

upper\_cased := false;

lower\_cased := false;

numbered := false;

invaild := false;

if (length(pass) < 8) then

least\_count:= false

else

least\_count:= true;

for i:=1 to length(pass) do

begin

if (pass[i] in ['A'..'Z']) then

upper\_cased := true

else if (pass[i] in ['a'..'z']) then

lower\_cased:=true

else if (pass[i] in ['0'..'9']) then

numbered := true

else

invaild := true;

end;

if (invaild) then

writeln('Invalid')

else if ((numbered) and (upper\_cased) and (lower\_cased) and (least\_count)) then

writeln('Strong')

else

writeln('Weak');

end.

P00407

var c, i, j, k: longint;

s1, s2: string;

a: array [1..1000] of char;

found: boolean;

begin

readln(s1);

readln(s2);

for i:=1 to length(s1) do

for j:=1 to length(s2) do

begin

found:=false;

if (s1[i] = s2[j]) then

begin

for k:=1 to c do

if (a[k] = s1[i]) then

found:=true;

if (found = false) then

begin

c:=c+1;

a[c] := s1[i];

end;

end;

end;

writeln(c);

end.

P00804

var x, n, i: longint;

t: Int64;

begin

readln(x, n);

t:=1;

for i:=1 to n do

begin

t:=t\*x;

end;

writeln(t);

end.

java

var a, b: longint;

begin

readln(a,b);

writeln(a+b);

end.