import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

Problema1 q = new Problema1();

q.Ioana(n);

Problema2 z = new Problema2();

z.Pom(n);

}

}

public class Problema1{

void Ioana(int n){

if(n < 18){

int s = 1;

int i = 0;

while(i < n){

s += i;

i++;

}

System.out.println("Ioana la " + n + " ani avea " + s + " dolari.");

}

}

}

public class Problema2{

void Pom(int n){

int r1 = 8;

int r = 8;

int i = 1;

while(r1 < 200){

i++;

r1 = r1 + (r1/2) + 4;

}

System.out.println("In anul " + i + " pomul a dat roada nu mai putin de 200 de mere");

while(i < n){

i++;

r1 = r1 + (r1/2) + 4;

if(r1 == n){

r = r1;

}

}

System.out.println("In anul " + i + " pomul a dat roada " + r + " mere.");

}

}