import java.util.Scanner;

public class geoloj {

public static void main(String[]args) {

Scanner damn=new Scanner(System.***in***);

int n=damn.nextInt() ;

int s=0; int p=1;

for(int i=1; i<n\*2; i+=2) {

s=s+i;

p=p\*i;

}

int s2=0; int p2=1;

for(int j=2; j<n\*2; j+=2) {

s2=s2+j;

p2=p2\*j;

}

int s3=0; int p3=1;

for(int e=2; e<n\*2; e+=2) {

s3=s3+e;

p3=p3\*e;

}

int s4=0; int p4=1;

for(int g=3; g<n\*3; g+=3) {

s4=s4+g;

p4=p4\*g;

}

System.***out***.println(s);

System.***out***.println(p);

System.***out***.println(s2);

System.***out***.println(p2);

System.***out***.println(s3);

System.***out***.println(p3);

System.***out***.println(s4);

System.***out***.println(p4);

// ex 6

System.***out***.println("Introduceti litera");

for (int i='A'; i<='Z';i++) {

System.***out***.println(i);

}

// ex 8]

System.***out***.println("Introduceti n1");

int n1=damn.nextInt();

damn.close();

double sum=0;

for(double l=1; l<50; l++) {

if ((l % 2)==0) {

sum-=(1/l);

}

else sum+=(1/l);

}

System.***out***.println(sum);

damn.close();

}}