import java.util.Scanner;  
  
public class Test\_problema\_1 {  
//for  
  
 public static void main(String[] args) {  
 Scanner s=new Scanner(System.*in*);  
 int n=s.nextInt();  
 double sum=0;  
 for(int i=1;i<=n;i++){  
 sum+=1.0\*i/((i+1)\*(i+2));  
 }  
 int j=0;  
  
 System.*out*.println(sum);  
 }  
}

import java.util.Scanner;  
  
public class Test\_problema\_2 {  
  
  
 //while  
 public static void main(String[] args) {  
 Scanner s=new Scanner(System.*in*);  
  
 int i=1,j=1,j2=1;  
 while(i<=7){  
 j=i;  
 while(j<=7){  
 System.*out*.print(j+" ");  
 j++;  
 }  
 j2=1;  
 while(j2<i){  
 System.*out*.print(j2+" ");  
 j2++;  
 }  
 System.*out*.println();  
 i++;  
 }  
  
 }  
}

import java.util.Scanner;  
  
public class Test\_problema\_3 {  
  
  
 //do while  
 public static void main(String[] args) {  
 Scanner s=new Scanner(System.*in*);  
 double sum=100,i=98;  
 do{  
 sum=1/sum+i;  
 i=i-2;  
 }  
 while (i>=0);  
 System.*out*.println(sum);  
 }  
}

import java.util.Scanner;  
  
  
public class Test\_Problema\_4 {  
  
 public static void main(String[] args) {  
 String fibonaci="";  
 int []arr=new int[50];  
 for(int i=0;i<50;i++){  
 if(i<2){  
 arr[i]=1;  
 }  
 else if(i>=2){  
 arr[i]=arr[i-1]+arr[i-2];  
 }  
 fibonaci=fibonaci+(arr[i]+" ");  
 }  
 Scanner s=new Scanner(System.*in*);  
 int n=s.nextInt();  
 if(n>fibonaci.length()){  
 System.*out*.println("Numarul introdus este prea mare ");  
 }  
 char c=fibonaci.charAt(n-1);  
 System.*out*.println(fibonaci+"\n"+c);  
 }  
  
}