# Realizat de: Briceag Maria, cl.a X-a”B”

For & If Ex.8

import java.util.Scanner;  
  
public class Problema8 {  
 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++) {  
 if(i%2==0){  
 sum-=1.0/i;  
 }  
 else if(i%2==1){  
 sum+=1.0/i;  
 }  
 }  
 System.out.println(sum);  
 }  
}