

```

import java.util.Scanner;
public class carantina {
    public static void main(String[] args) {
        Scanner s=new Scanner (System.in);
        int n=s.nextInt();
        int sum=0;
        double prod=1;
        for(int i=1;i<=n;i++){
            sum=sum+2*i;
            prod=prod*2*i;
        }
        System.out.println(" produsul =" +prod);
        System.out.println(" suma =" +sum);
    }
}

```

B)

```

import java.util.Scanner;
public class carantina {
    public static void main(String[] args) {
        Scanner s=new Scanner (System.in);
        int n=s.nextInt();
        int sum=0;
        double prod=1;
        for(int i=1;i<=n;i++){
            sum=sum+1*i;
            prod=prod*1*i;
        }
        System.out.println(" produsul =" +prod);
        System.out.println(" suma =" +sum);
    }
}

```

C)

```

import java.util.Scanner;
public class carantina {
    public static void main(String[] args) {
        Scanner s=new Scanner (System.in);
        int n=s.nextInt();
        int sum=0;
        double prod=1;
        for(int i=1;i<=n;i++){
            sum=sum+3*i;
            prod=prod*4*i;
        }
        System.out.println(" produsul =" +prod);
        System.out.println(" suma =" +sum);
    }
}

```

D)

```

import java.util.Scanner;
public class carantina {
    public static void main(String[] args) {
        Scanner s=new Scanner (System.in);
        int n=s.nextInt();
        int sum=0;
        double prod=1;
        for(int i=1;i<=n;i++){
            sum=sum+4*i;

```

```
prod=prod*4*i;
}
System.out.println(" produsul = " +prod);
System.out.println(" suma = " +sum);
}
}
8
import java.util.Scanner;
public class carantina {
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=sum-1.0/i;
else
sum=sum+1.0/i;
}
System.out.println(sum);
}
}
```