

1+radical din 2+radical din 3+....

```
import java.util.Scanner;
public class primaprobl {
    public static void main(String[] args)
```

```
{
    Scanner sc=new Scanner(System.in);
    int x=sc.nextInt();
    double s=1;
    for(double i=2;i<=x;i++){
        s=s+Math.sqrt(i);
    }
    System.out.println(s);
}
}
```

Input:3

Output:4.146264369941973

1+2/(1+2)+3/(1+2+3)+...

```
import java.util.Scanner;
public class douaprobl {
    public static void main(String[] args)
```

```
{
    Scanner sc=new Scanner(System.in);
    double n=sc.nextDouble();
    double s=0;
    double s1=0;
    for(double i=1;i<=n;i++){
        s+=i;
        s1+=i/s;
    }
    System.out.println(s1);
}
}
```

Input:3

Output:2.1666666666666665

2/1+2/3+4/3+4/5+6/5+6/7+....

```
import java.util.Scanner;
public class ultimaprob {
    public static void main(String[] args)
```

```
{  
Scanner sc=new Scanner(System.in);  
double n=sc.nextDouble();  
double p=1;  
for(double i=1;i<=n;i++){  
    if((i%2)==1){  
        p*=((i+1)/i);  
    }  
    if((i%2)==0){  
        p*=(i/(i+1));  
    }  
}  
System.out.println(p*2);  
}  
}
```

Input:1000

Output:3.140023818600586