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import java.util.Scanner;
public class Ex7_8p97_RusuNona_FOR {
public static void main (String [] args) {
Scanner sc=new Scanner (System.in);

int a=sc.nextInt ();
int S=0;
int P=1;
for (int i=1; i<=a; i++) {
S=S+(2*i-1);
P=P*(2*i-1);
}
System.out.println("S=" +S);
System.out.println("P="+P);

int s=0;
int p=1;
for(int i=1; i<=a; i++) {
s=s+(2*i);
p=p*(2*i);
}
System.out.println("s="+s);
System.out.println("p="+p);

int S1=0;
int P1=1;
for(int i=1; i<=a; i++) {
S1=S1+(3*i);
P1=P1*(3*i);
}
System.out.println("S1="+S1);
System.out.println("P1="+P1);

int s1=0;
int p1=1;
for(int i=1; i<=a; i++) {
s1=s1+(4*i);
p1=p1*(4*i);
}
System.out.println("s1="+s1);
System.out.println("p1="+p1);

double s2=0;
for(int i=1; i<=3; i++) {
if (i%2==0) {
s2=s2-1d/i;
}else {
s2=s2+1d/i;
}
}
System.out.println("s2="+s2);
}
}
```