

```

import java.util.Scanner;
public class HelloWorld {

    public static void main(String []args){
        Scanner tastatura = new Scanner (System.in);

        int n=tastatura.nextInt();
        int s=0;
        int p=1;
        int q=0;
        int w=1;
        int z=0;
        int x=1;
        int y=0;
        int u=1;
        double k5 = 0;
        for(int i=1 ;i<=n; i++) {

            s = s+(2*i-1);
            p = p*(2*i-1);
            q = q+(2*i);
            w = w*(2*i);
            z = z+(3*1);
            x = x*(3*1);
            y4 = y+(4*i);
            u = u*(4*i);
            if(i%2==0) {
                k = k-(1d/i);
            }
            else {
                k = k+(1d/i);
            }

            System.out.println("s="+s);
            System.out.println("p="+p);
            System.out.println("q="+q);
            System.out.println("w="+w);
            System.out.println("z="+z3);
            System.out.println("x="+x);
            System.out.println("y="+y);
            System.out.println("u="+u);
            System.out.println("k="+k);
        while (i<=n) {
            s = s+(2*i-1);
            p = p*(2*i-1);
            q = q+(2*i);
            w = w*(2*i);
            z = z+(3*1);
            x = z*(3*1);
            y = y+(4*i);
            u = u*(4*i);
            if(i%2==0) {

                k = k-(1d/i);
            }
            else {
                k = k+(1d/i);
            }
        }
    }
}

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        i++;
    }

    tastatura.close();}
}

```

Output;

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4
s=1
p=1
q=2
w=2
z=3
x=9
y=4
u=4
k=1.0
s=4
p=3
q=6
w=8
z=6
x=18
y=12
u=32
k=0.5
s=9
p=15
q=12
w=48
z=9
x=27
y=24
u=384
k=0.8333333333333333
s=16
p=105
q=20
w=384
z=12
x=36
y=40
u=6144
k=0.5833333333333333

```