import java.util.Scanner;

public class Tpa {

public static void main(String[]args) {

int s=0, p=1;

Scanner eu=new Scanner (System.in);

int n=eu.nextInt();

for (int i=1; i<=n;i++) {

s=s+(2\*i-1);

p=p\*(2\*i-1);

}

System.out.println(s);

System.out.println(p);

}

}  
import java.util.Scanner;

public class Tpa {

public static void main(String[]args) {

int s=0, p=1, i=2;

Scanner eu=new Scanner (System.in);

int n=eu.nextInt();

while ( i<=n) {

s=s+(2\*i);

p=p\*(2\*i);

i++;

}

System.out.println(s);

System.out.println(p);

}

}

import java.util.Scanner;

public class Tpa {

public static void main(String[]args) {

int s=0, p=1, i=4;

Scanner eu=new Scanner (System.in);

int n=eu.nextInt () ;

while (iI<=n ) {

s=s+( 4\*i );

p=p\*(4\*i);

i++;

}

System.out.println ( s );

System.out.println ( p );

}

}