import java.util.\*;

public class Main

{

public static void main(String[] args) {

//Q1. Swap two no. without third variable

Scanner sc =new Scanner(System.in);

int a=sc.nextInt();//b=sc.nextInt();//O(c)=O(1)

// a=a+b;

// b=a-b;

// a=a-b;

/\* Q2 swap with third variable \*/// O(c)=O(1)

// int c;

// c=a;

// a=b;

// b=c;

//System.out.println(a+" "+b);

/\* Q3. to find factorial of a no.\*/

// System.out.println(fact(a));//T=fact(a)+c=O(n),where n=a

/\* Q4.To reverse a no.\*/

int rev=0, r=0;

// System.out.println(reverse(a,rev,r));//t=reverse(a)+c = O(n)

/\* Q5. To check no. is palindrom or not\*/

// if(a==reverse(a,rev,r))

// System.out.println("Number is palindrom");

// else

// System.out.println("Not palindrom");

/\*Q6. to print fabonacci series\*/

System.out.println(rev+" "+r);

System.out.println(fab(a));

}

public static int reverse(int a,int rev,int r){ //reverse(n) where n denoted no. of digits

if(a>0){

r=a%10;

rev=rev\*10+r;

return reverse(a/10,rev,r);

}

else{

return rev;

}

}

public static int fact(int a){//fact(a)=O(n+1)

if(a>=1){

return fact(a-1)\*a;

}

else

return 1;

}

public static int fab(int a){//t=O(a)=O(n)

if(a>0){

return fab(a-1)+fab(a-2);

}

else

return a;

}

}