package javaapplication4;

import java.math.BigInteger;

import java.util.Scanner;

public class JavaApplication4 {

static String cadena[] = new String[5001];

public static void metodo() {

cadena[0] = "0";

cadena[1] = "1";

cadena[2] = "1";

BigInteger b1 = new BigInteger("1");

BigInteger b2 = new BigInteger("1");

BigInteger res = new BigInteger("0");

for (int i = 3; i < 5001; i++) {

res = b1.add(b2);

cadena[i] = res.toString();

b1 = b2;

b2 = res;

}

}

public static void main(String[] args) {

try {

Scanner dato = new Scanner(System.in);

metodo();

int a = 0;

while (true) {

a = dato.nextInt();

System.out.println("The Fibonacci number for " + a + " is " + cadena[a]);

}

} catch (Exception e) {

}

}

}