**斐波那契数列的递归实现：**

public class Test{

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

int num;

System.out.println("你想要知道第几个斐波那契数？");

num = input.nextInt();

System.out.println("第" + num + "个斐波那契数是：" + fibonacci(num));

}

public static int fibonacci(int num)

{

if(num == 1 || num == 2)

{

return 1;

}

else

{

return fibonacci(num-1)+fibonacci(num-2);

}

}

}