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古典問題：有一對兔子，從出生後第3個月起每個月都生一對兔子，小兔子長到第三個月後每個月又生一對兔子，假如兔子都不死，問每個月的兔子對數為多少？

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package com.company;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

System.out.print("請輸入想知道兔子數量的月份：");

Scanner input = new Scanner(System.in);

int months = input.nextInt();

System.out.printf("該月份共有%s對兔子",fun(months));

}

private static int fun(int months){

//遞迴數列(a1 = 2, a2 = 2, an = an-1 + an-2 )

if(months == 1 || months==2)

{return 1;}

else

{return fun(months-1) + fun(months-2);}

}

}