**暴力枚举**

**1348 百鸡问题**

Time Limit: 1000 ms

Memory Limit: 256 mb

用小于等于n元去买100只鸡，大鸡5元/只，小鸡3元/只,还有1/3元每只的一种小鸡，分别记为x只,y只,z只。编程求解x,y,z所有可能解。

**输入输出格式**

**输入描述:**

测试数据有多组，输入n。

**输出描述:**

对于每组输入,请输出x,y,z所有可行解，按照x，y，z依次增大的顺序输出。

**输入输出样例**

**输入样例#:**

40

**输出样例#:**

x=0,y=0,z=100

x=0,y=1,z=99

x=0,y=2,z=98

x=1,y=0,z=99

**题目来源**

**哈尔滨工业大学机试**

**1165 abc**

Time Limit: 1000 ms

Memory Limit: 32768 mb

设a、b、c均是0到9之间的数字，abc、bcc是两个三位数，且有：abc+bcc=532。求满足条件的所有a、b、c的值。

**输入输出格式**

**输入描述:**

题目没有任何输入。

**输出描述:**

请输出所有满足题目条件的a、b、c的值。a、b、c之间用空格隔开。

每个输出占一行。

**题目来源**

**清华大学上机题**

**1274 Old Bill**

Time Limit: 1000 ms

Memory Limit: 256 mb

Among grandfather's papers a bill was found:

72 turkeys $\_679\_

The first and the last digits of the number that obviously represented the total price of those turkeys are replaced here by blanks (denoted \_), for they are faded and are illegible. What are the two faded digits and what was the price of one turkey? We want to write a program that solves a general version of the above problem:

N turkeys $\_XYZ\_

The total number of turkeys, N, is between 1 and 99, including both. The total price originally consisted of five digits, but we can see only the three digits in the middle. We assume that the first digit is nonzero, that the price of one turkeys is an integer number of dollars, and that all the turkeys cost the same price. Given N, X, Y, and Z, write a program that guesses the two faded digits and the original price. In case that there is more than one candidate for the original price, the output should be the most expensive one. That is, the program is to report the two faded digits and the maximum price per turkey for the turkeys.

祖父的纸上有一张账单:

72 turkeys $\_679\_

第一个和最后一个表示这些火鸡总价的数字被空格替代了(即\_)。那么被遮住的数字及火鸡的单价是多少呢？我们想编写一个程序以解决一系列上述问题，即：

N turkeys $\_XYZ\_

其中，火鸡的总数N在1到99之间(包括1和99).总价原来是一个五位数字，但现在我们只能看到中间的三位数字。我们假设总价的第一个数字不是0，一只火鸡的价格是整数，每只火鸡的价格相同。编写一个程序，给定N,X,Y和Z，找出两个被遮住的数字以及火鸡的单价。

由于可能的答案可能有多个，我们约定只需输出价格最高的那个。

**输入输出格式**

**输入描述:**

The first line of the input file contains an integer N (0<N<100), which represents the number of turkeys. In the following line, there are the three decimal digits X, Y, and Z., separated by a space, of the original price $\_XYZ\_.

输入的第一行包含一个整数N(0<N<100)，N表示火鸡的数量。接下来的一行有三个十进制数字X,Y和Z，它们由空格隔开，代表总价的中间三位$\_XYZ\_

**输出描述:**

For each case, output the two faded digits and the maximum price per turkey for the turkeys.

对于每个样例,输出被遮住的两个数字以及火鸡的最大单价。若不存在这样的数字，只需输出0.

**输入输出样例**

**输入样例#:**

72

6 7 9

5

2 3 7

78

0 0 5

**输出样例#:**

3 2 511

9 5 18475

0

**题目来源**

**上海交通大学机试题**