

## F - Double-Triple

*Think triple, do twice, speak half.*

### Background

The following matrix of size 3x3 has the peculiarity that it uses the nine digits from 1 to 9 without repeating. Besides, the second row (384) is twice the first (192), and the third (576) is triple the first.

```
1 9 2
3 8 4
5 7 6
```

### The problem

You must find all the matrices of size 3x3 that satisfy the previous properties, i.e.: it uses the nine digits from 1 to 9 without repeating; the second row is twice the first; and the third row is triple the first.

### The Input

There is no input in this problem.

### The Output

The output should show all the matrices that are solutions to the problem. Each matrix is represented by three lines, each line containing three digits separated by a blank space. The matrices will be shown separated by a blank line.

The matrices must appear in order from the lowest to the highest according to the three-digit number formed by the digits of their first rows.

### Sample Input

*There is no input in this problem.*

### Sample Output

*Not provided for obvious reasons...*