

## A. Ichihime and Triangle

time limit per test: 1 second  
 memory limit per test: 256 megabytes  
 input: standard input  
 output: standard output

Ichihime is the current priestess of the Mahjong Soul Temple. She claims to be human, despite her cat ears.

These days the temple is holding a math contest. Usually, Ichihime lacks interest in these things, but this time the prize for the winner is her favorite — cookies. Ichihime decides to attend the contest. Now she is solving the following problem.



You are given four positive integers  $a, b, c, d$ , such that  $a \leq b \leq c \leq d$ .

Your task is to find three integers  $x, y, z$ , satisfying the following conditions:

- $a \leq x \leq b$ .
- $b \leq y \leq c$ .
- $c \leq z \leq d$ .
- There exists a triangle with a positive non-zero area and the lengths of its three sides are  $x, y$ , and  $z$ .

Ichihime desires to get the cookie, but the problem seems too hard for her. Can you help her?

### Input

The first line contains a single integer  $t$  ( $1 \leq t \leq 1000$ ) — the number of test cases.

The next  $t$  lines describe test cases. Each test case is given as four space-separated integers  $a, b, c, d$  ( $1 \leq a \leq b \leq c \leq d \leq 10^9$ ).

### Output

For each test case, print three integers  $x, y, z$  — the integers you found satisfying the conditions given in the statement.

It is guaranteed that the answer always exists. If there are multiple answers, print any.

### Example

input	Copy
4 1 3 5 7 1 5 5 7 100000 200000 300000 400000 1 1 977539810 977539810	
output	Copy

### Codeforces Round #635 (Div. 2)

Finished

#### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

#### → Problem tags

[constructive algorithms](#) [math](#) \*800  
 No tag edit access

#### → Contest materials

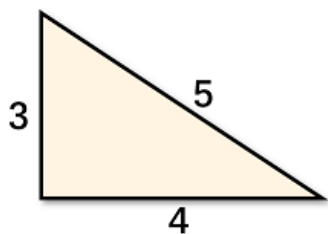
- [Announcement \(en\)](#) ×
- [Tutorial \(en\)](#) ×



```
3 4 5
5 5 5
182690 214748 300999
1 977539810 977539810
```

### Note

One of the possible solutions to the first test case:



One of the possible solutions to the second test case:

