

# Sorting points

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[English version](#)

Write a program which will sort points and write it in descending order.

## Input

The first line of the standard input contains one integer  $t$  ( $t < 1000$ ) which is the number of points to sort.

In each of the next  $t$  lines there are numbers  $x$ ,  $y$  and  $z$  ( $x, y, z < 1001$ ) which are  $x$ ,  $y$  and  $z$  coordinates of  $i$ -th point in spherical coordinate system.

## Output

For each test, print list of sorted in descending order points.

## Example

### Input

```
6
3 2 2
2 1 3
2 3 1
1 3 2
3 1 2
1 3 1
```

### Output:

```
1 3 1
1 3 2
2 1 3
2 3 1
3 1 2
3 2 2
```