

Call by reference (GCD and LCM)

There is a specific template for you guys to start coding.

You can add other members in your class, but please follow the rules shown below.

1. Make sure that your class name is `my_class`.

For this problem, you need to calculate the GCD(Greatest Common Divisor) and LCM(Least Common Multiple) of two numbers.

Two specific functions you should implement are:

a. The constructor with two integers as arguments.

b. The function: `getGcdLcm`.

See the template for the detail.

Input Format

Please implement the file I/O part.

You MUST read the input data from the `input.txt` and write the result to the `output.txt`.

The first line shows the number of test cases.

Each of the following lines contains two integers: `a`, `b`.

Output Format

The output format should contain the GCD and LCM.

See the sample output for the detail.

Sample Input (in `input.txt`)

```
5
407 703
11 9
2 2
10 30
4564 222
```

Sample Output (in `output.txt`)

```
GCD:37 LCM:7733
GCD:1 LCM:99
GCD:2 LCM:2
GCD:10 LCM:30
GCD:2 LCM:506604
```