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GCD and LCM   Problem Code: **FLOW016**   Submit (/submit/FLOW016) ✔

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Two integers **A** and **B** are the inputs. Write a program to find GCD and LCM of A and B.

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Input

The first line contains an integer **T**, total number of testcases. Then follow **T** lines, each line contains an integer **A** and **B**.

Output

Display the GCD and LCM of **A** and **B** separated by space respectively.

Constraints

- 1 ≤ **T** ≤ 1000
- 1 ≤ **A,B** ≤ 1000000

Example

```
Input
3
120 140
10213 312
10 30

Output

20 840
1 3186456
10 30
```

Author: 1★ vicky002 (/users/vicky002)

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Date Added: 27-04-2015

Time Limit: 1 secs

Source Limit: 50000 Bytes

Languages: C, CPP14, JAVA, PYTH, PYTH 3.6, PYPY, CS2, PAS fpc, PAS
             gpc, RUBY, PHP, GO, NODEJS, HASK, SCALA, D, PERL,
             FORT, WSPC, ADA, CAML, ICK, BF, ASM, CLPS, PRLG,
             ICON, SCM qobi, PIKE, ST, NICE, LUA, BASH, NEM, LISP
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