You are given two numbers a and b. Find the HCF and LCM of these two numbers and print them in a new line.

Note: Please see the below links for help,

- HCF
- LCM

Input:

- First-line will contain two space separated integers, a and b respectively

Output:

Print the HCF and LCM in a new line separated by space.

Constraints

- $1 \leq a, b \leq 106$

-

Sample Input 1:

`2 3`

Sample Output 1:

`1 6`

Sample Input 2:

`4 8`

Sample Output 2:

`4 8`

EXPLANATION:

- In the first example, HCF(2, 3) = 1, LCM(2, 3) = 6.
- In the second example, HCF(4, 8) = 4, LCM(4, 8) = 8.