

Test Problem

You are given four positive integers a , b , c , d . Each of the numbers does not exceed 10. Please compute the minimum and the maximum of them.

Input

Four numbers in one line separated by spaces.

Output

The minimum and the maximum of the given numbers, separated by a space.

Example 1

Input:

4 3 2 1

Output:

1 4

Example 2

Input:

9 8 8 9

Output:

8 9

Scoring

This is a test problem and you will receive no points for solving it.