
Sort Numbers

Input file: **standard input**
Output file: **standard output**
Time limit: 0.25 seconds
Memory limit: 256 megabytes

Given three numbers A, B, C . Print these numbers in ascending order followed by a blank line and then the values in the sequence as they were read.

Input

Only one line containing three numbers A, B, C ($-10^6 \leq A, B, C \leq 10^6$)

Output

Print the values in ascending order followed by a blank line and then the values in the sequence as they were read.

Examples

standard input	standard output
3 -2 1	-2 1 3 3 -2 1
-2 10 0	-2 0 10 -2 10 0