Problem B. B

Time limit	1000 ms
Mem limit	1048576 kB
OS	Windows

When choosing lunch, sandwiches are a good option.

For a sequence of length 3 denoted as a_1, a_2, a_3, we call this sequence a "sandwich sequence" if $a_1 > a_2$ and $a_2 < a_3$.

Given a sequence of length 3 represented as a_1, a_2, a_3, you can perform the following operation:

- Choose two different integers i, j and swap a_i with a_j.

If it is possible to make a_1, a_2, a_3 into a "sandwich sequence" within a finite number of operations, please output the resulting sequence. If there are multiple valid sequences, **output any one of them**; if such a sequence does not exist, output `-1`.

Input

Input a line with three integers $a_1, a_2, a_3 (1 \leq a_1, a_2, a_3 \leq 10)$, representing the given sequence.

Output

If a valid sequence exists, output a line with 3 integers representing the resulting sequence; if such a sequence does not exist, output a line with a single integer `-1`.

Examples

Input	Output
3 1 6	3 1 6

Input	Output
1 2 3	2 1 3

Input	Output
1 1 1	-1