ABC

You will be given three integers A, B and C. The numbers will not be given in that exact order, but we do know that A is less than B and B less than C.

In order to make for a more pleasant viewing, we want to rearrange them in the given order.

Input.

The first line contains three positive integers A, B and C, not necessarily in that order. All three numbers will be less than or equal to 100.

The second line contains three uppercase letters 'A', 'B' and 'C' (with no spaces between them) representing the desired order.

Output.

Output the A, B and C in the desired order on a single line, separated by single spaces.

Sample tests.

N	stdin	stdout
1	1 5 3 ABC	1 3 5
2	6 4 2 CAB	6 2 4