

ABC

Time Limit 1 second

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 a given order.

Input

The first line contains the three positive integers **A**, **B** and **C**, not necessarily in that order. The 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 **A**,**B** and **C** in the desired order on a single line, separated by single spaces.

Sample Input 1	Sample Output 1
1 5 3 ABC	1 3 5

Sample Input 2	Sample Output 2
6 4 2 CAB	6 2 4