

Problem 3. Inventory

Problem for exam preparation for the [Programming Fundamentals Course @SoftUni](#).
Submit your solutions in the SoftUni judge system at <https://judge.softuni.org/Contests/Practice/Index/2028#2>.

As a young traveler, you gather items and craft new items.

Input / Constraints

You will receive a journal with some collecting items, separated with a comma and a space (" , "). After that, until receiving "**Craft!**" you will be receiving different commands split by " - ":

- "**Collect - {item}**" - you should add the given item to your inventory. If the item already **exists**, you should **skip** this line.
- "**Drop - {item}**" - you should remove the item from your inventory **if it exists**.
- "**Combine Items - {old_item}:{new_item}**" - you should check if the **old item exists**. If so, **add** the new item **after** the **old one**. Otherwise, **ignore** the command.
- "**Renew - {item}**" – if the given item exists, you should change its position and **put it last** in your inventory.

Output

After receiving "**Craft!**" print the items in your inventory, separated by " , ".

Examples

Input	Output
Iron, Wood, Sword Collect - Gold Drop - Wood Craft!	Iron, Sword, Gold
Input	Output
Iron, Sword Drop - Bronze Combine Items - Sword: Bow Renew - Iron Craft!	Sword, Bow, Iron

JS Input / Output

Input	Output
[Iron, Sword, Gold

<pre>'Iron, Wood, Sword', 'Collect - Gold', 'Drop - Wood', 'Craft!']</pre>	
Input	Output
<pre>['Iron, Sword', 'Drop - Bronze', 'Combine Items - Sword:Bow', 'Renew - Iron', 'Craft!']</pre>	<p>Sword, Bow, Iron</p>