

Problem 1 - World Tour

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/2518#0>.

You are a world traveler, and your next goal is to make a world tour. To do that, you have to plan out everything first. To start with, you would like to plan out all of your stops where you will have a break.

On the **first line**, you will be given a string containing all of your **stops**. Until you receive the command **"Travel"**, you will be given some commands to **manipulate** that initial string. The **commands can be**:

- **"Add Stop:{index}:{string}"**:
 - **Insert** the given **string** at that **index** only if the index is **valid**
- **"Remove Stop:{start_index}:{end_index}"**:
 - **Remove** the elements of the string from the **starting index** to the **end index (inclusive)** if **both** indices are **valid**
- **"Switch:{old_string}:{new_string}"**:
 - If the **old string** is in the initial string, **replace** it with the **new one** (all **occurrences**)

Note: After each command, print the current state of the string!

After the **"Travel"** command, print the following: **"Ready for world tour! Planned stops: {string}"**

Input / Constraints

- **JavaScript**: you will receive a **list of strings**
- An **index is valid** if it is **between the first and the last element index (inclusive)** (**0 Nth**) in the sequence.

Output

- Print the proper output messages in the proper cases as described in the problem description

Examples

Input	Output
Hawai::Cyprys-Greece	Hawai::RomeCyprys-Greece
Add Stop:7:Rome	Hawai::Rome-Greece
Remove Stop:11:16	Bulgaria::Rome-Greece
Switch:Hawai:Bulgaria	Ready for world tour! Planned stops:
Travel	Bulgaria::Rome-Greece

Albania:Bulgaria:Cyprus:Deuchland	AlbNigeriaania:Bulgaria:Cyprus:Deuchland
Add Stop:3:Nigeria	AlbNaania:Bulgaria:Cyprus:Deuchland
Remove Stop:4:8	AlbNaania:Bulgaria:Cyprus:Deuchland
Switch:Albania: Azərbaycan	Ready for world tour! Planned stops:
Travel	AlbNaania:Bulgaria:Cyprus:Deuchland

JS Examples

Input	Output
(["Hawai::Cyprys-Greece", "Add Stop:7:Rome", "Remove Stop:11:16", "Switch:Hawai:Bulgaria", "Travel"])	Hawai::RomeCyprys-Greece Hawai::Rome-Greece Bulgaria::Rome-Greece Ready for world tour! Planned stops: Bulgaria::Rome-Greece
(["Albania:Bulgaria:Cyprus:Deuchland", "Add Stop:3:Nigeria", "Remove Stop:4:8", "Switch:Albania: Azərbaycan", "Travel"])	AlbNigeriaania:Bulgaria:Cyprus:Deuchland AlbNaania:Bulgaria:Cyprus:Deuchland AlbNaania:Bulgaria:Cyprus:Deuchland Ready for world tour! Planned stops: AlbNaania:Bulgaria:Cyprus:Deuchland