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}":
 - o 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.

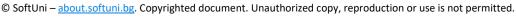
Output

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",	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



