* **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  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 |

**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 |