## Parking Lot

Write a program that:

* Records a **car number** for every car that enters the **parking lot**
* Removes a **car number** when the car leaves the **parking lot**

On the first line you will receive the number of commands - **N**. On the next **N** lines you will receive the direction and car's number in the format: **"{direction}, {car\_number}"**. The direction could only be **"IN"** or **"OUT"**. Print the car numbers which are still in the parking lot. If the parking lot is empty print **"Parking Lot is Empty"**.

**NOTE:** The **order** in which we **print** the result does not matter.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 10  IN, CA2844AA  IN, CA1234TA  OUT, CA2844AA  IN, CA9999TT  IN, CA2866HI  OUT, CA1234TA  IN, CA2844AA  OUT, CA2866HI  IN, CA9876HH  IN, CA2822UU | CA2844AA  CA9999TT  CA2822UU  CA9876HH |
| 4  IN, CA2844AA  IN, CA1234TA  OUT, CA2844AA  OUT, CA1234TA | Parking Lot is Empty |

### Hints

* Car numbers are **unique**