## 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**

The input will be the number of commands, which you will receive, and cars in the format: **direction, car\_number**. Print the car numbers, which are still in the parking lot.

**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 |