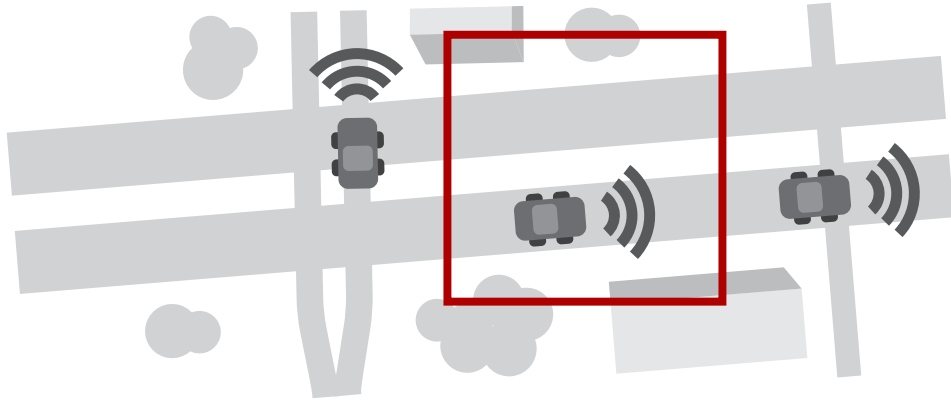
Level 3



Finde alle Autos, die zumindest einmal in einem gegebenen Rechteck beobachtet wurden.

Find out all cars that were at least for one observation in a given rectangle.

Input

```
Nord,Ost,Sued,West    // Koordinaten des Rechtecks

Anzahl der Beobachtungen (n)
Kennz,Zeit,Laengengr,Breitengr    // Beobachtung 1
...
Kennz,Zeit,Laengengr,Breitengr    // Beobachtung n
```

Input

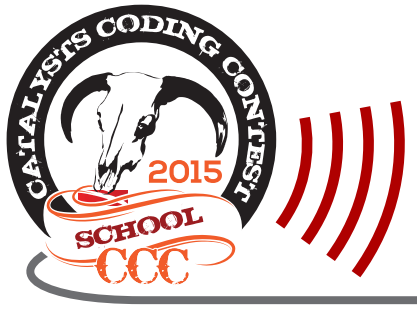
```
North,East,South,West    // Coordinates of the
                         // rectangle
Number of observations (n)
Identity,Time,Latitiude,Longitude // observation 1
...
Identity,Time,Latitiude,Longitude // observation n
```

Ergebnis

List of the identities, sorted alphabetically, separated by comma

Result

List of the identities, sorted alphabetically, separated by comma



Level 3: Beispiel

Level 3: Example

Input

```
48.2334,15.4532,48.1023,14.9856
6
G-4398,09:00:30,48.2289,14.5287
Z-3595,09:00:30,47.0236,13.6089
O-3872,09:00:30,47.0139,13.1829
Y-2671,09:00:30,47.6607,13.609
V-5959,09:00:30,48.1501,15.4203
S-2417,09:00:30,48.7384,15.1149
```

Result

V-5959