Assume, that a file `measurement.txt` contains the speed measurements of the passing cars.

```
rego#  date          speed
PKR856 12-DEC-2018 120
UPS234 17-JAN-2019 190
PKR856 12-FEB-2018 80
PKR856 01-JAN-2019 60
UPS234 21-OCT-2020 200
UPS234 22-OCT-2020 160
...    ...
```

Assume, that a file `car.txt` contains the technical descriptions of the cars.

```
rego#  max speed fuel
PKR856 180        10
UPS234 200        15
...    ...
```

Assume that both files have been loaded to HDFS.

An objective is to you implement in Java a MapReduce application that finds the cars, that reached its maximum speed at the speed checkpoint.

Implementation of Map phase

A file `measurement.txt` is converted into `<key,value>` pairs where `key = rego#` concatenated with `speed` and `value = date`.
A file `car.txt` is converted into into `<key,value>` pairs where `key = rego#` concatenated with `max speed` and `value = fuel`.

Implementation of Reduce phase

Reduce phase operates on two sets of `<key,value>` pairs where the keys of pairs coming from a file `measurement.txt` is are compared with the keys of pairs coming from a file `car.txt`. If the keys are the same then `rego#` part of a key is written to output.