

Bilez Alrick  
Borreill Remy  
Zani da Silva Amâncio Felipe

# Rapport CyTruck

## **Summary**

Reassignment of Work and Task Scheduling	1
Results of processes	2-5

# Reassignment of Work and Task Scheduling

## Reassignment of Work

Remy took charge of the -d2 option, the creation of Gnuplot diagrams, and some functionalities of the program to validate the presence of files inside temp and image directories, followed by their cleanup.

Alrick handled the -t option and optimized functionalities such as -d1, -d2, and -l.

Amancio was responsible for creating error handling code for user input, managing minor tasks, and composing the -h and readme sections. In terms of processes, he took charge of the -d1, -l, and -s options.

## Task Scheduling

While each group member had full autonomy in managing their work schedule, regular meetings were held to facilitate communication and share progress on individual tasks.

## Fifth option -f

The first data file provided by the awk count is not correct, however the C AVL sort is implemented and properly working.

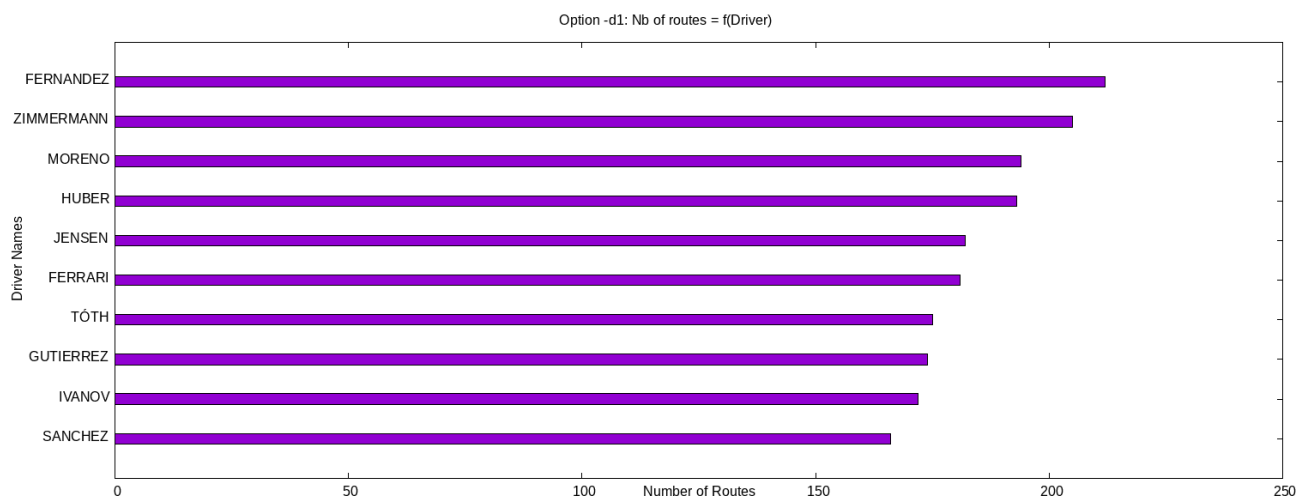
```
-t flag in progress...  
-t flag completed  
Duration of the task's execution: 7 seconds
```

## Result of the processes

### First option -d1

```
felipe@C3P0:~/Desktop/CyTruck$ sh main.sh data/data.csv -d1
-d1 flag in progress...
-d1 completed
Duration of the task's execution: 3 seconds
```

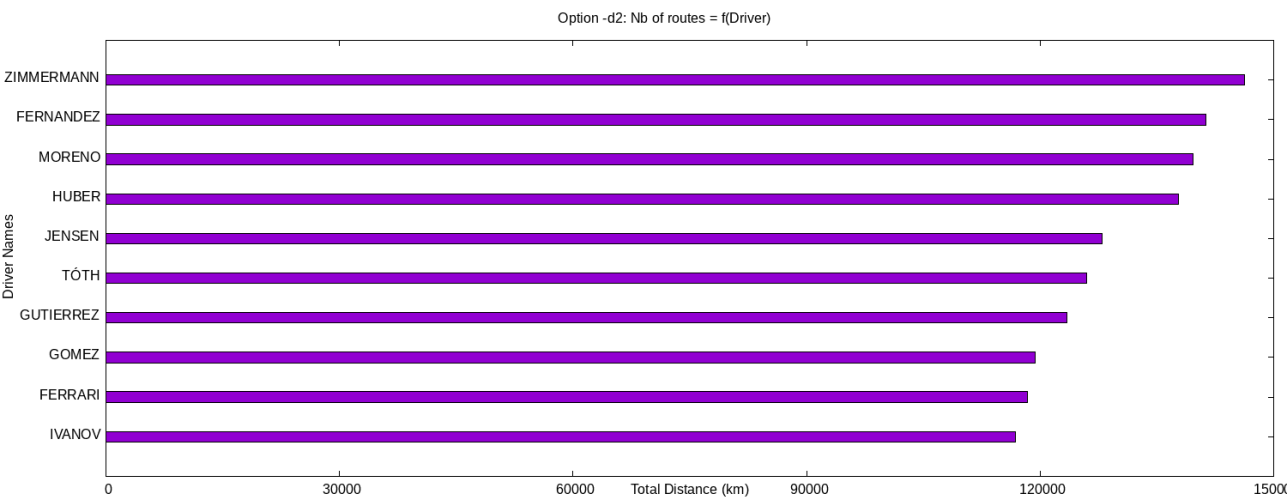
### Diagram obtained:



Second option -d2:

```
felipe@C3P0:~/Desktop/CyTruck$ sh main.sh data/data.csv -d2
-d2 flag in progress...
Duration of the task's execution: 4 seconds
-d2 flag completed
```

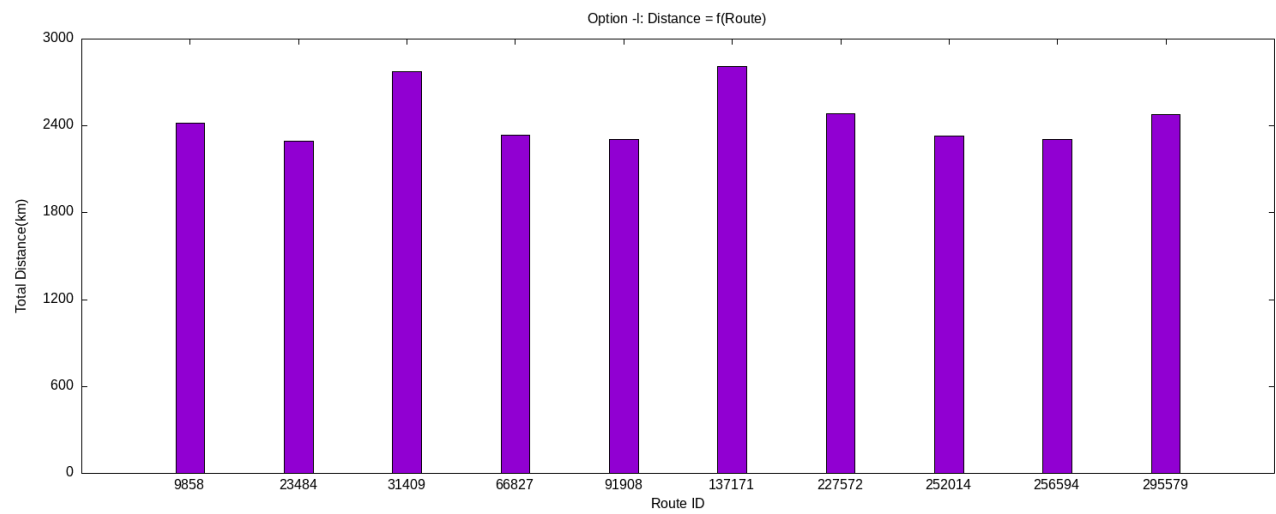
Diagram obtained:



Third option: -l

```
felipe@C3P0:~/Desktop/CyTruck$ sh main.sh data/data.csv -l
-l flag in progress...
-l flag completed
Duration of the task's execution: 11 seconds
```

Diagram obtained:



Fourth option: -s

```
felipe@C3P0:~/Desktop/CyTruck$ sh main.sh data/data.csv -s
-s flag in progress...
-s flag completed
Duration of the task's execution: 19 seconds
```

Diagram obtained:

