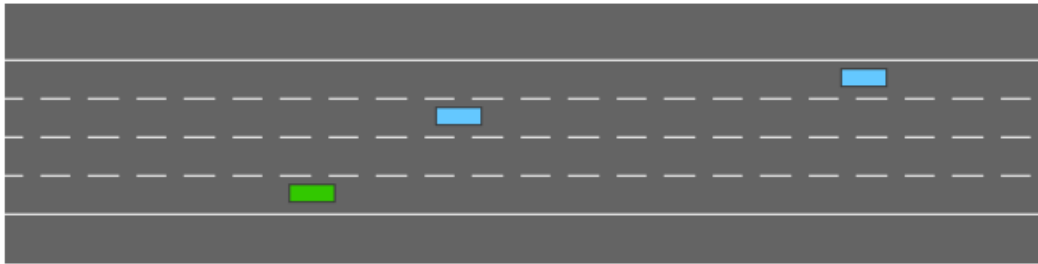


Homework 5 – RL

In this exercise you will work with the famous highway environment. This environment has been implemented in the gym library and various tasks such as parking tasks, crossing four roads, etc. have been defined on this environment. The issues in this environment are related to the task of autonomous driving in a two-dimensional environment.



This environment is for use. Due to the large number of calculations, our recommendation is to use the following code snippet to install and import the required libraries using the Google Colab environment.

```
! pip install gym
! pip install highway-env
import gym
import highway_env
env = gym.make("highway-v0")
```

To learn more about how this environment works, you can use the library's [GitHub repository](#).

In this section, the goal is to implement one of the two algorithms, policy gradient and Deep Q-learning.