

H1 Project 1

H2 Ex. 1 Simulation

1. Use arrays to store the positions of cars in four directions.
2. For each time unit, update the positions of cars and the light status.
 - Check whether there are cars arriving at the cross road.
 - Check the light status if necessary.
 - Check whether there is a crash.
 - Decide rules to update positions of cars in the next time unit.

H2 Ex. 1 Animation

1. Use iteration to draw a series of figures.
2. Useful commands:
 - `plot`
 - `rectangle`
 - `pause`
 - `axis`

H2 Grading

H3 Ex.1

1. Specific up to each updating rule and drawing.
2. README.