A logo with red and black stripes

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**Technical University of Cluj-Napoca**

Automation and Computer Science

Year IV, Semester I

Distributed Control Systems Project

Traffic Intersection Controller

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**Group**: 30343

# Specifications

According to the map given to each team, develop a controller for each intersection (plant), that controller is a closed-loop one (with the in(1..n) input channels that is connected to its intersection’s output channels op(1..n) and an Intersections (with the OPs output channels). The controller must have dynamic delays feature to extend the time of the green light in case of a traffic jam.

## The intersections

A map of a city

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## Simplified Model

A diagram of a road with arrows and red dots

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# Design

## OETPN Model for Plant

## Guards & Mappings

## OETPN Model for Controllers