# LOGISIM PROJECT

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## Objective:

Making a 4way Traffic control system.

## Working:

The logisim circuit controls the traffic control for four direction (North, South, West, East).

The circuit make use of D Flip-Flop for the working of the system.

The project shows how a 4-way junction traffic light works and the lights at every junction change colours with time (depending on clock cycles). The north and south lights are in sync with each other and opposite to the east and west lights.

Our logisim circuit is a simulation of a 4 way traffic control system, where the north and south traffic lights work together and the east and west lights work together.

The circuit doesn't require any manual input and works entirely on clock pulses.

To run the circuit, first go to simulation and reset the simulation and then enable the clock ticks. The frequency of the clock can be adjusted. The traffic lights change colour according to the clock pulses.