

The background features a solid purple vertical bar on the left. The rest of the slide is light gray with faint, large-scale geometric patterns. In the top right corner, there is a cluster of small gray dots arranged in a grid-like pattern, with a larger, faint gray triangle partially visible behind them.

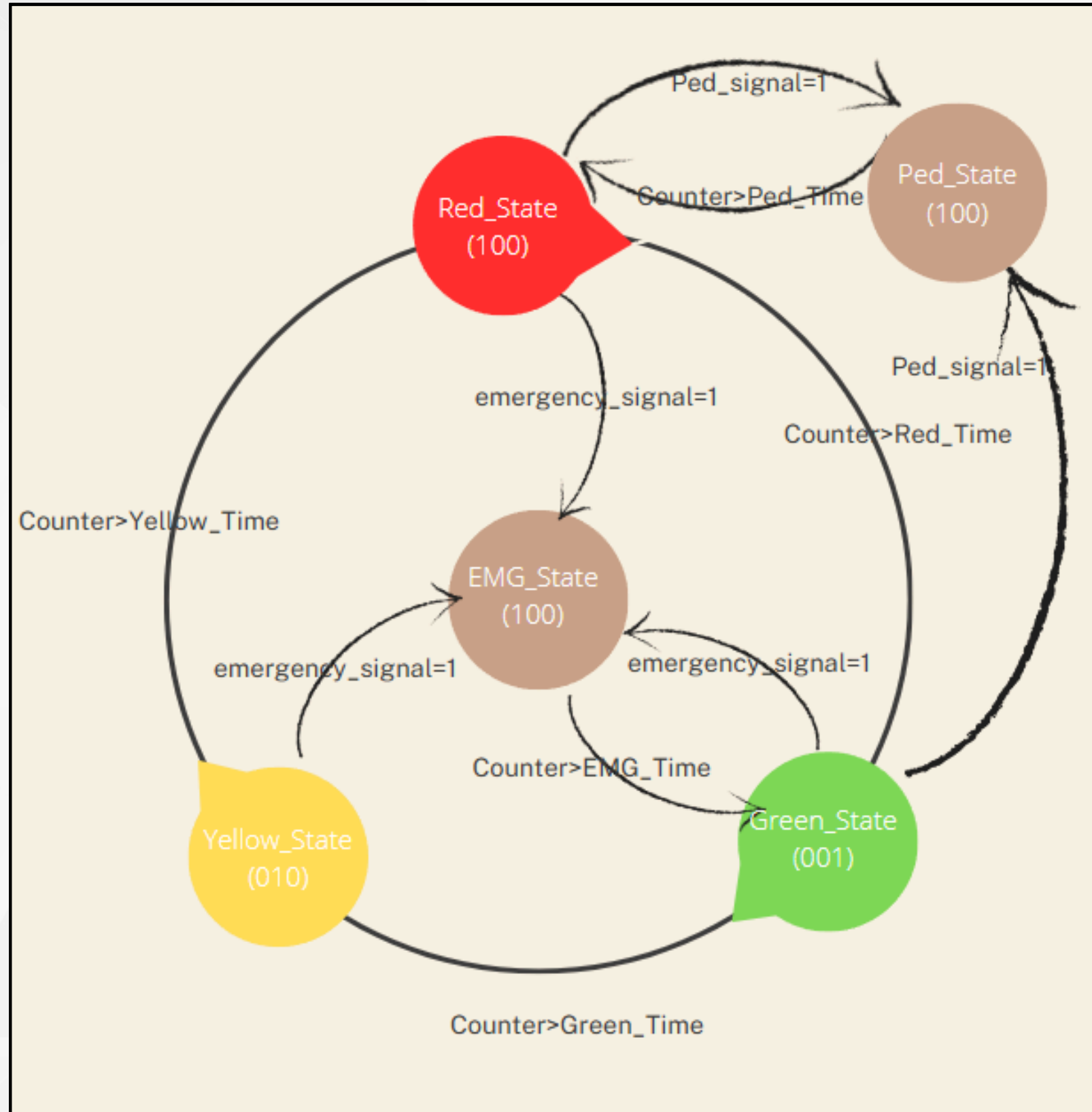
TRAFFIC CONTROLLER USING VERILOG

TRAFFIC CONTROLLER

- **Continuous Cycle (Normal Operation):** The traffic lights alternate between green, yellow, and red, allowing vehicles to move in one direction at a time. The cycle duration may adjust based on traffic conditions or time of day.
- **Stop for Pedestrian (Pedestrian Crossing):** When activated, the traffic lights change to stop vehicles and allow pedestrians to cross safely, especially in areas with high foot traffic.
- **Go in Emergency (Emergency Vehicle Preemption):** In emergencies, the system overrides the normal cycle to give emergency vehicles the right of way, clearing the intersection for them to pass quickly

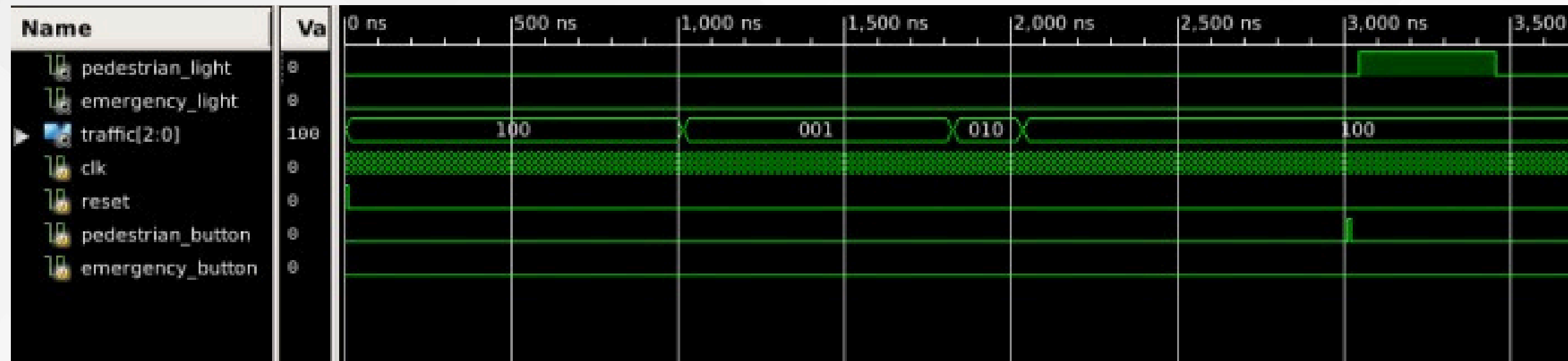


STATE DIAGRAM:

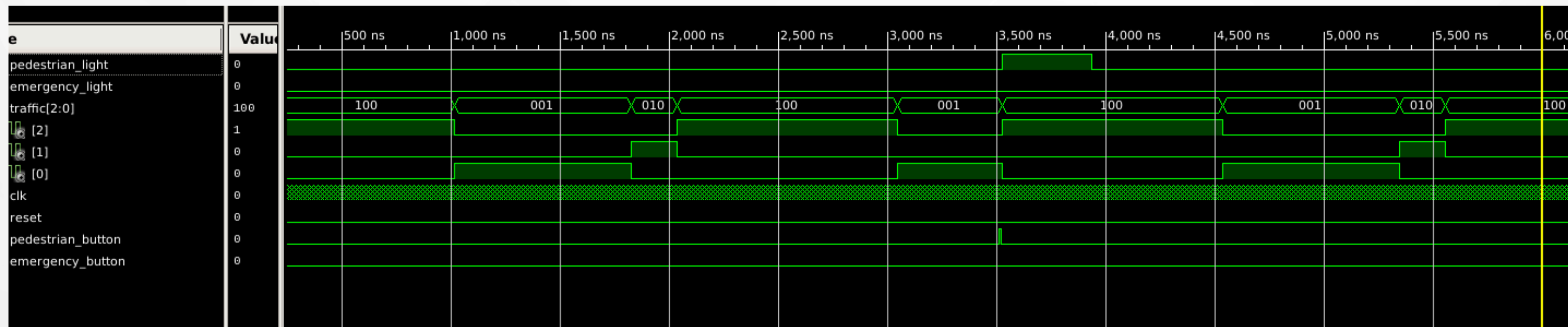


OUTPUT:

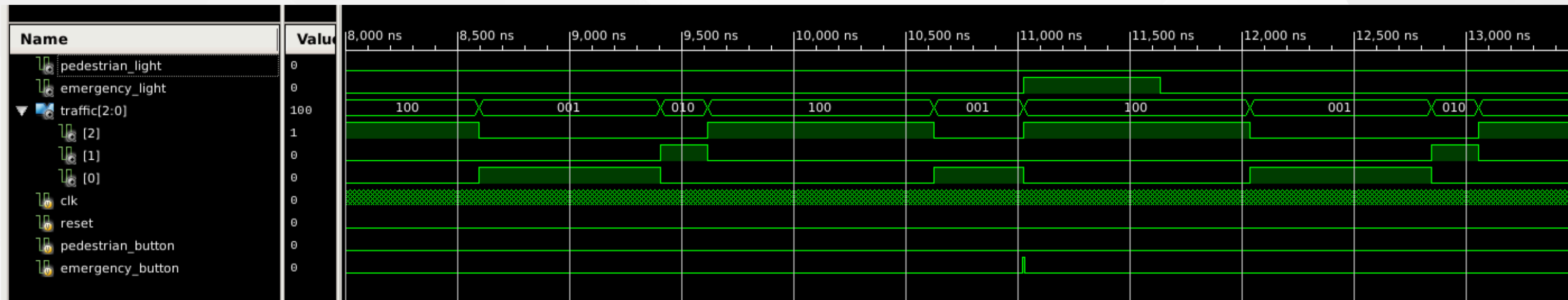
1). CONTINUOUS SIGNAL



2). Predestrian signal



3). Emergency signal



THANK
YOU

