



The process starts as first insertion function calls where it should be checked whether $queue_size > 0$, if $queue == \text{empty}$ or $waiting_line == 0$, then direct `Add_car` event will be called, and car through easily pass added with no waiting line, but if $queue_size > 0$ and $waiting_line > 0$, then wait event occurred and it waits 30 seconds for turning lights on from red to green, after $time_latency == 30$