The first state of the wave is the walking state and only the walk state should goes to 1 and the blinking and the hands sign should be off. After 8 seconds, the walking signal goes off and the Hands signal starts to blinking and the num\_on systems activate to count down. So the number system would goes down each time from 0111 to 0000. Then after the blinking number goes to 0, the hands sign would not shine again, which means the pedestrian can’t walk through. Then after 16 seconds, the counting system will start over again.