continuous variable: x(t): \mathbb{R} inputs: pedestrian: pure **outputs:** sigR, sigG, sigY: pure green $x(t) \ge 60 / sigG$ x(t) := 0 $pedestrian \land x(t) < 60 /$ $pedestrian \land x(t) \ge 60 / sigY$ pending $\dot{x}(t) = 1$ x(t) := 0x(t) := 0 $x(t) \ge 60 / sigY$ yellow $x(t) \ge 5 / sigR$ x(t) := 0x(t) := 0