

$$x_{t+1} = x_t + v_t \cdot \cos(\psi_t) \cdot dt$$

$$y_{t+1} = y_t + v_t \cdot \sin(\psi_t) \cdot dt$$

$$\psi_{t+1} = \psi_t + \frac{v_t}{L_f} \cdot \delta_t \cdot dt$$

$$v_{t+1} = v_t + a_t \cdot dt$$

$$\text{cte}_{t+1} = \text{cte}_t + v_t \cdot \sin(\text{epsi}_t) \cdot dt$$

$$\text{epsi}_{t+1} = \text{epsi}_t + \frac{v_t}{L_f} \cdot \delta_t \cdot dt$$