$$L_i(t) = \underbrace{w_1 \int_{\Delta t} \frac{\text{Fuel}}{v_i(t)}}_{\text{fuel consumption}} + \underbrace{w_2 R_{\text{error}}^2 + w_6 R_{\text{error}'}^2}_{\text{distance}} + \underbrace{w_3 (v_{i-1}(t+1) - v_i(t+1))^2}_{\Delta\text{v between car}_{\text{i-1}} \text{ and car}_{\text{i}}} + \underbrace{w_4 a_i^2(t)}_{\text{acceleration}} + \underbrace{w_5 (v_{i+1}(t+1) - v_i(t+1))^2}_{\Delta\text{v between car}_{\text{i}} \text{ and car}_{\text{i+1}}}$$