$$\alpha(k) = \frac{G}{\gamma_2}\alpha(k-1) + \frac{L}{\gamma_2}(\xi_o(k-1) + \xi_c(k-1))$$

$$\xi_c(k) = \frac{H}{\gamma_2}\xi_c(k-1) - \frac{L}{\gamma_2}\alpha(k-1) + \frac{P}{\gamma_2}\xi_o(k-1)$$

$$\xi_o(k) = \frac{A_N - F_N C_N}{\gamma_2}\xi_o(k-1)$$