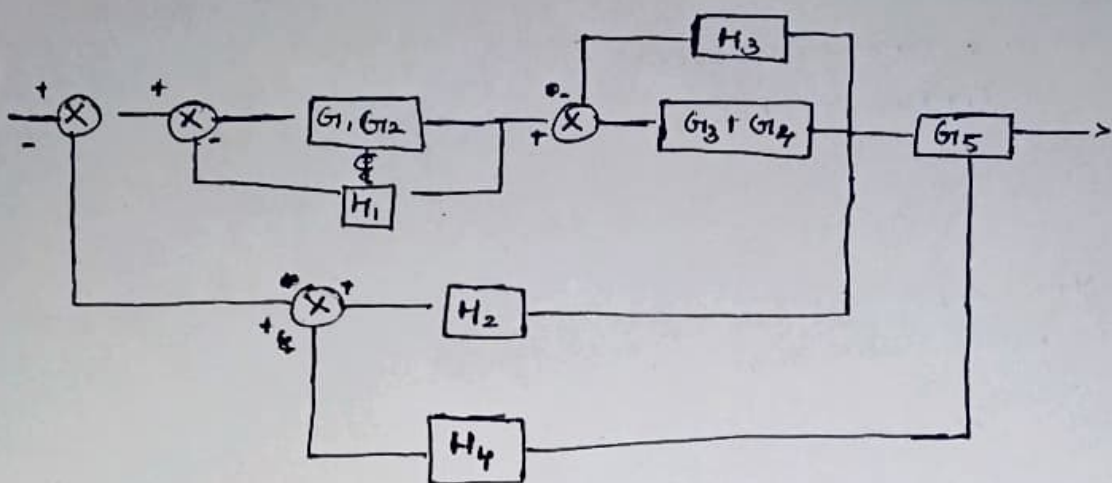
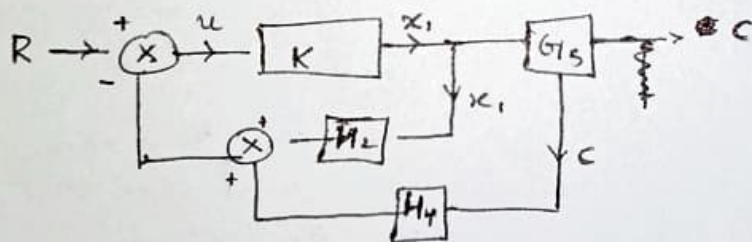
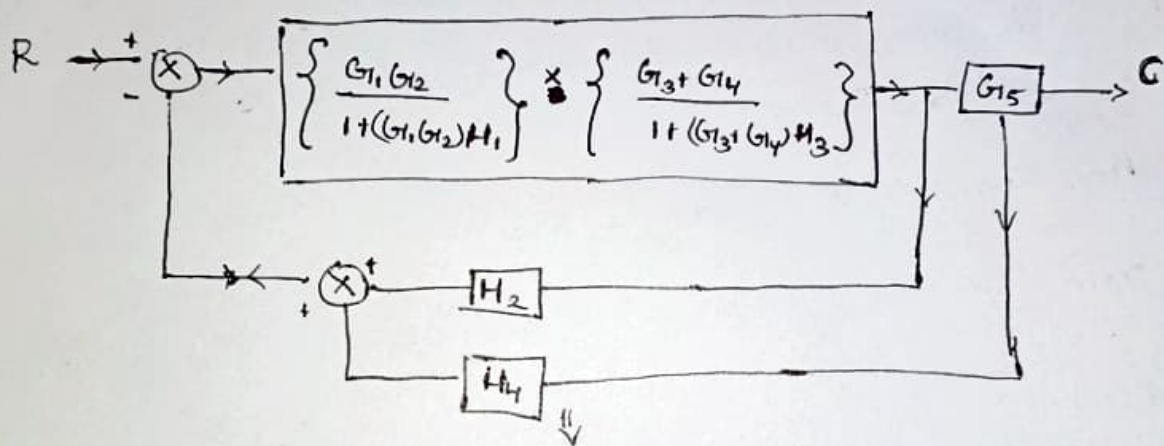


2)



⇓



$$x_1 = KU$$

$$U = R - (x_1 H_2 + C H_4)$$

$$U = R - (K H_2 U + C H_4)$$

$$U = \frac{R - C H_4}{1 + K H_2}$$

$$C = G_5 x_1$$

$$C = G_5 K U$$

$$C(1 + K H_2) = G_5 K (R - C H_4)$$

$$C(1 + K H_2 + K H_4 G_5) = R K G_5$$

$$C = R \left[\frac{K G_5}{1 + K H_2 + K H_4 G_5} \right]$$

TF

where

$$K_o = \left\{ \frac{G_1 G_2}{1 + (G_1 G_2) H_1} \right\} \times \left\{ \frac{G_3 + G_4}{1 + (G_3 + G_4) H_3} \right\}$$