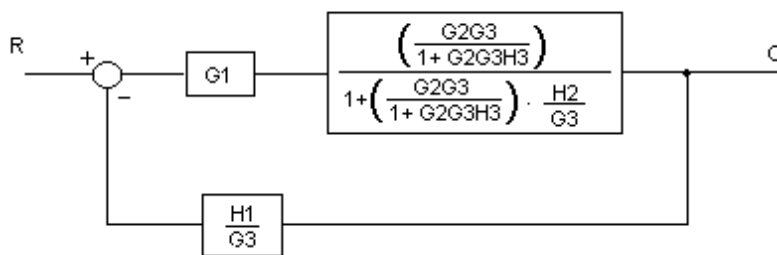
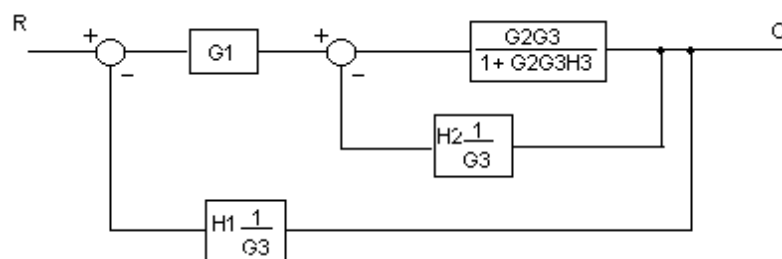
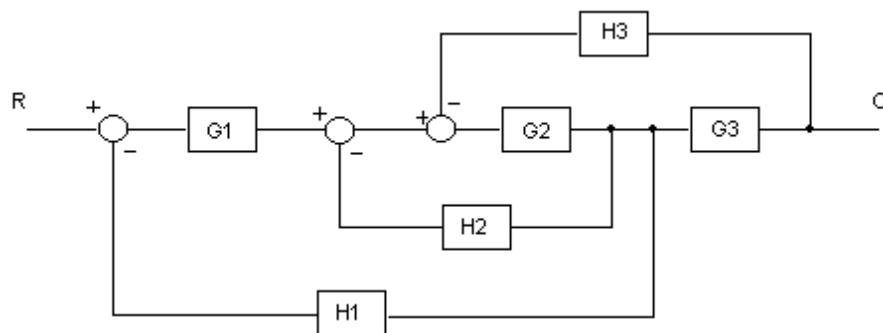
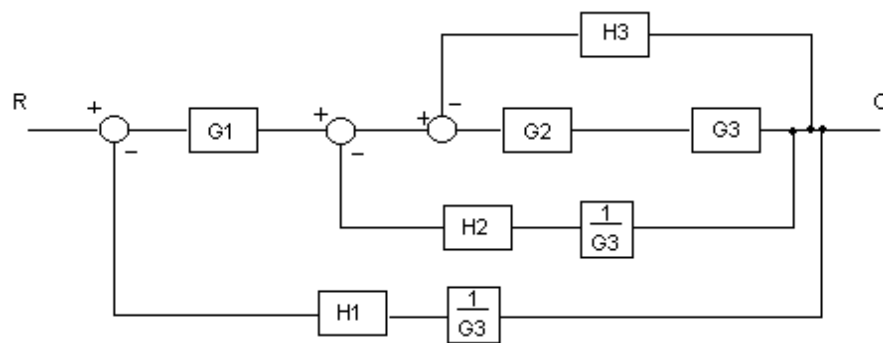


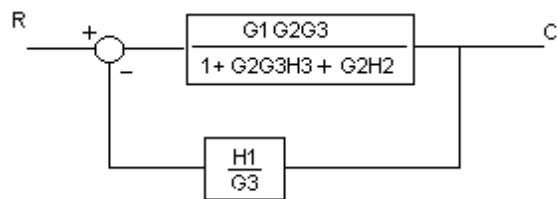
Problema 2.2.4.



$$\frac{G_2 G_3}{(1 + G_2 G_3 H_3) \left(1 + \frac{G_2 G_3}{1 + G_2 G_3 H_3} \cdot \frac{H_2}{G_3} \right)}$$

$$\frac{G_2 G_3}{1 + G_2 G_3 H_3 + \frac{(1 + G_2 G_3 H_3) G_2 G_3}{(1 + G_2 G_3 H_3)} \cdot \frac{H_2}{G_3}}$$

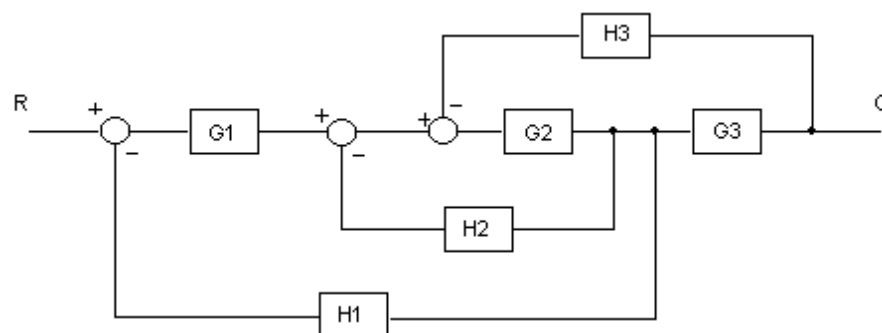
$$\frac{G_2 G_3}{1 + G_2 G_3 H_3 + G_2 H_2}$$

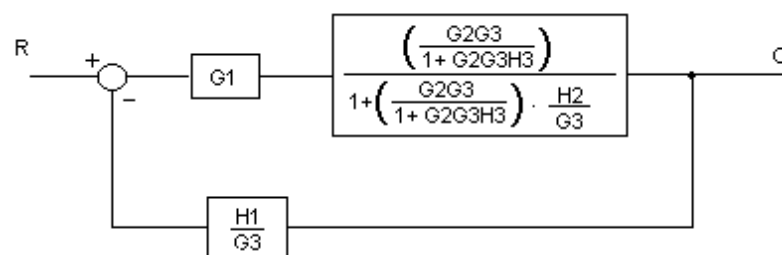
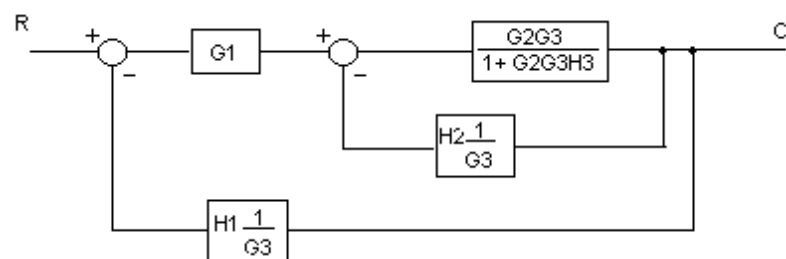
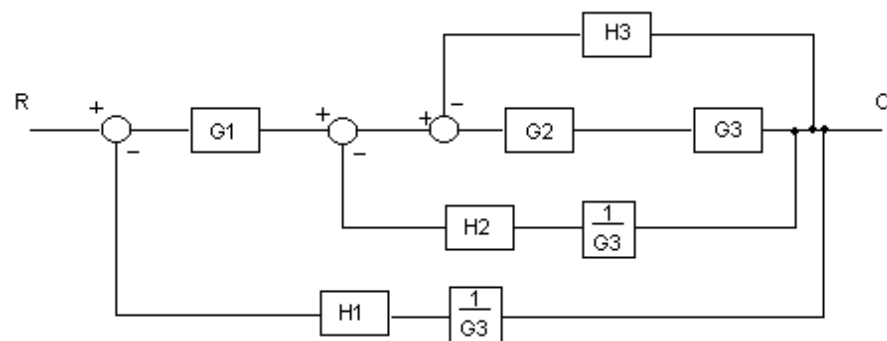


$$C = \frac{\frac{G_1 G_2 G_3}{1 + G_2 G_3 H_3 + G_2 H_2}}{1 + \frac{G_1 G_2 G_3}{1 + G_2 G_3 H_3 + G_2 H_2} \cdot \frac{H_1}{G_3}}$$

$$C = \frac{G_1 G_2 G_3}{(1 + G_2 G_3 H_3 + G_2 H_2) + \frac{(1 + G_2 G_3 H_3 + G_2 H_2) G_1 G_2 H_1}{(1 + G_2 G_3 H_3 + G_2 H_2)}}$$

$$C = \frac{G_1 G_2 G_3}{1 + G_2 G_3 H_3 + G_2 H_2 + G_1 G_2 H_1}$$

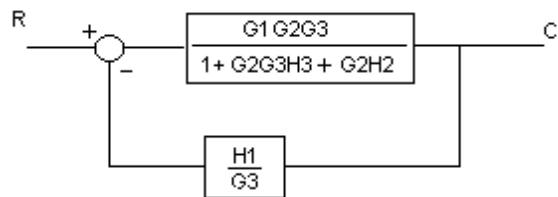




$$\frac{G_2G_3}{(1 + G_2G_3H_3) \left(1 + \frac{G_2G_3}{1 + G_2G_3H_3} \cdot \frac{H_2}{G_3} \right)}$$

$$\frac{G_2G_3}{1 + G_2G_3H_3 + \frac{(1 + G_2G_3H_3) G_2G_3}{(1 + G_2G_3H_3)} \cdot \frac{H_2}{G_3}}$$

$$\frac{G_2G_3}{1 + G_2G_3H_3 + G_2H_2}$$



$$C = \frac{\frac{G1 G2 G3}{1 + G2 G3 H3 + G2 H2}}{1 + \frac{G1 G2 G3}{1 + G2 G3 H3 + G2 H2} \cdot \frac{H1}{G3}}$$

$$C = \frac{G1 G2 G3}{(1 + G2 G3 H3 + G2 H2) + \frac{(1 + G2 G3 H3 + G2 H2) G1 G2 H1}{(1 + G2 G3 H3 + G2 H2)}}$$

$$C = \frac{G1 G2 G3}{1 + G2 G3 H3 + G2 H2 + G1 G2 H1}$$