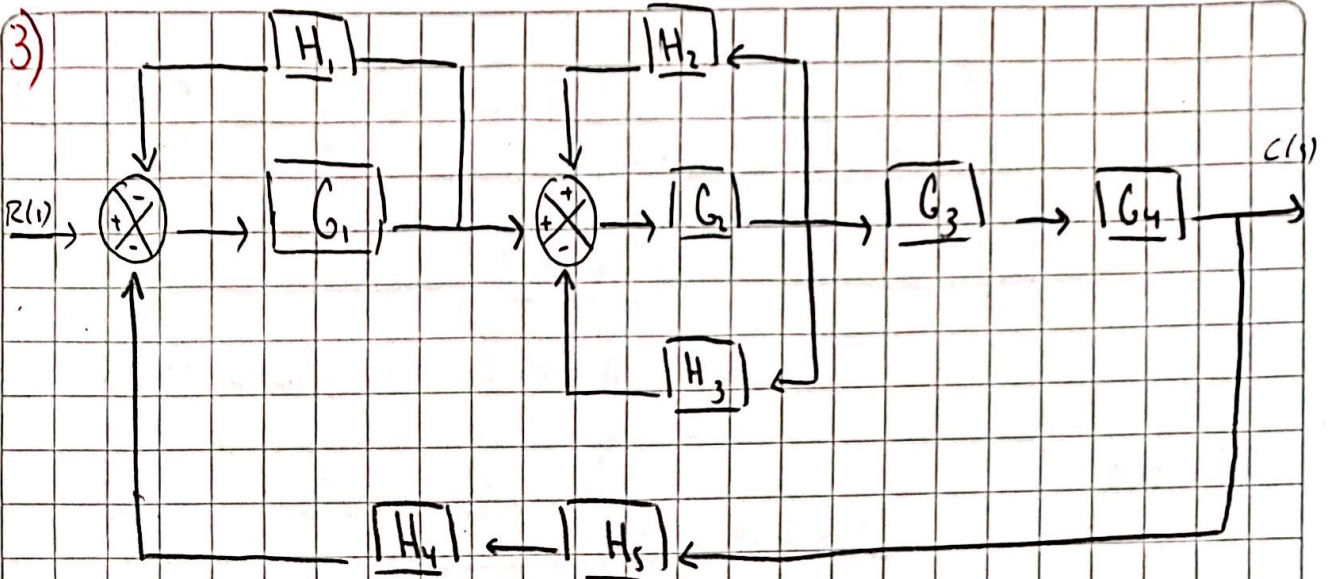
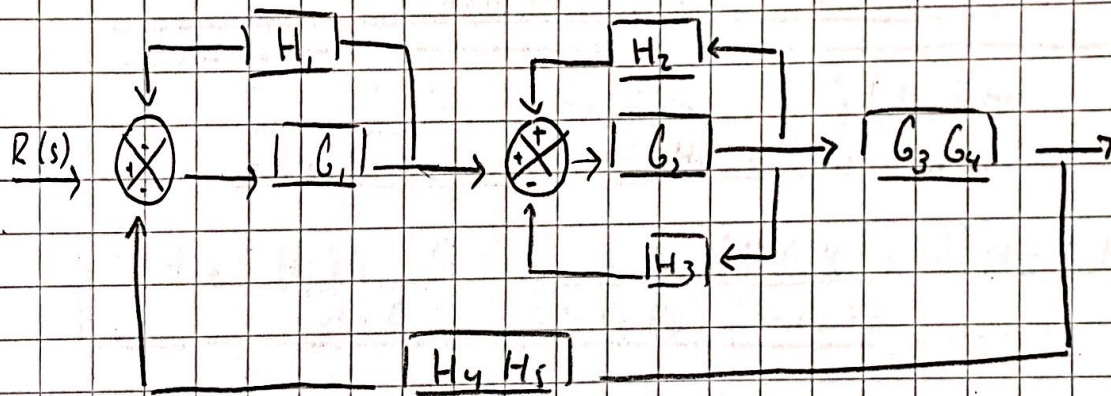
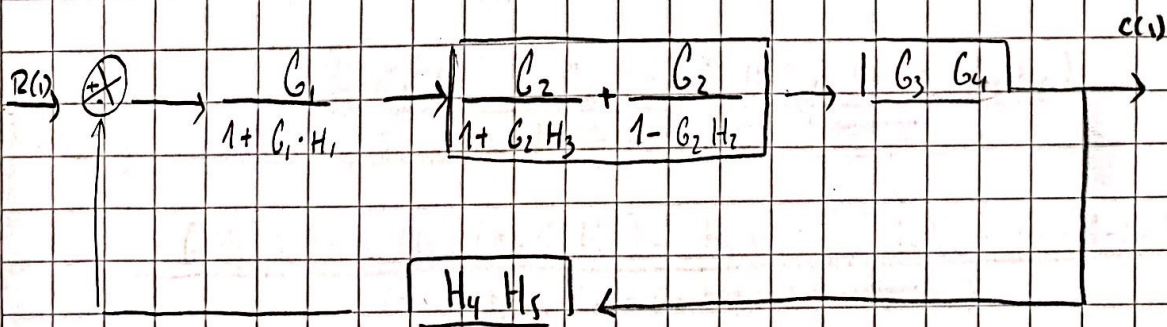


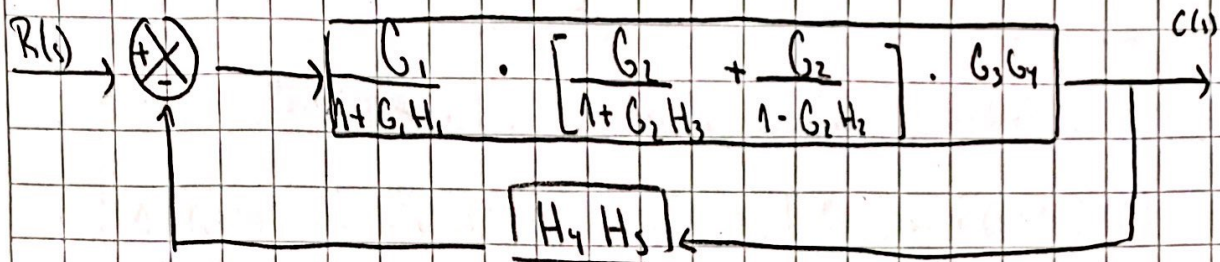


G_3 y G_4 en serie ; H_4 y H_5 en serie



Retroalimentación de H_1 , H_2 y H_3





Retroalimentación de $H_4 H_5$ - Se saca mínimo común en G_2

$$R(s) \rightarrow \left(\frac{G_1 G_3 G_4}{1 + G_1 H_1} \cdot \left[\frac{G_2}{1 + G_2 H_3} + \frac{G_2}{1 - G_2 H_2} \right] \right) C(s)$$

$$1 + H_4 H_5 \left[\frac{G_1 G_3 G_4}{1 + G_1 H_1} \cdot \left(\frac{G_2}{1 + G_2 H_3} + \frac{G_2}{1 - G_2 H_2} \right) \right]$$

Sacar mínimo común en G_2

$$R(s) \rightarrow \left(\frac{G_1 G_3 G_4}{1 + G_1 H_1} \cdot \frac{G_2 (1 - G_2 H_2) + G_2 (1 + G_2 H_3)}{(1 + G_2 H_3)(1 - G_2 H_2)} \right) C(s)$$

$$1 + \frac{H_4 H_5 [G_1 G_3 G_4 \cdot G_2 (1 - G_2 H_2) + G_2 (1 + G_2 H_3)]}{1 + G_1 H_1 (1 + G_2 H_3)(1 - G_2 H_2)}$$

Sacar mínimo común divisor y simplificar

$$R(s) \rightarrow \left(\frac{G_1 G_3 G_4 \cdot G_2 (1 - G_2 H_2) + G_2 (1 + G_2 H_3)}{(1 + G_1 H_1) (1 + G_2 H_3) (1 - G_2 H_2)} \right) C(s)$$

$$\frac{(1 + G_1 H_1) (1 + G_2 H_3) (1 - G_2 H_2) + H_4 H_5 [G_1 G_3 G_4 \cdot G_2 (1 - G_2 H_2) + G_2 (1 + G_2 H_3)]}{(1 + G_1 H_1) (1 + G_2 H_3) (1 - G_2 H_2)}$$

☐ LUN ☐ MAR ☐ MIE ☐ JUE ☐ VIE ☐ SAB ☐ DOM

FECHA:

$$R(i) \rightarrow \frac{G_1 G_3 G_4 \cdot (G_2 (1 - G_2 H_2) + G_2 (1 + G_2 H_3))}{(1 + G_1 H_1) (1 + G_2 H_3) (1 - G_2 H_2) + H_4 H_5 [G_1 G_3 G_4 \cdot G_2 (1 - G_2 H_2) + G_2 (1 + G_2 H_3)]} \quad C(i) \rightarrow$$