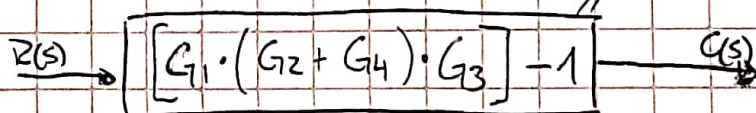
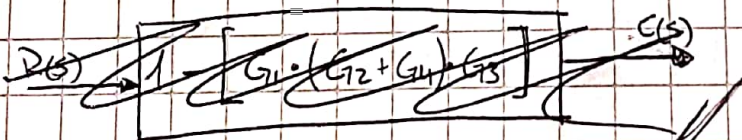
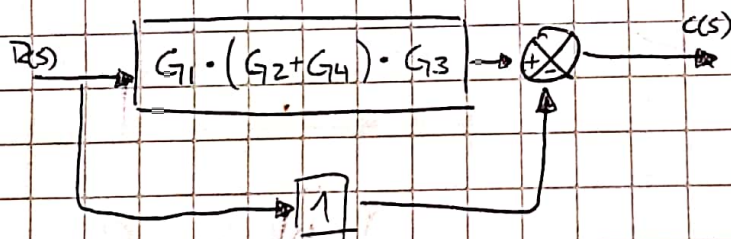
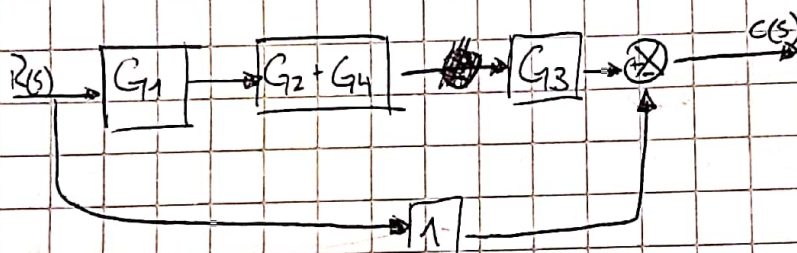
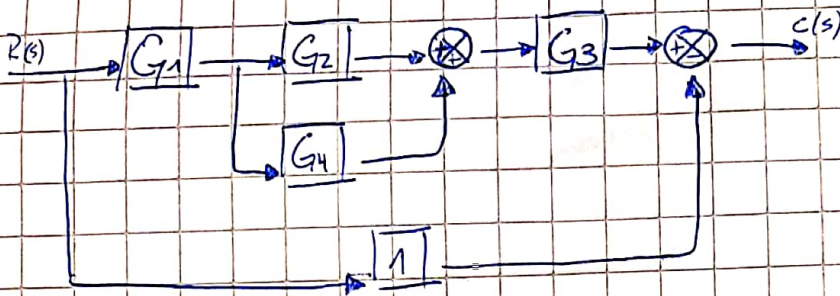
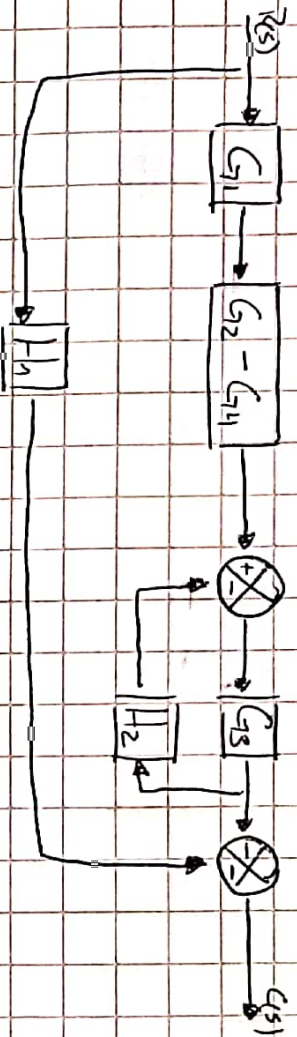
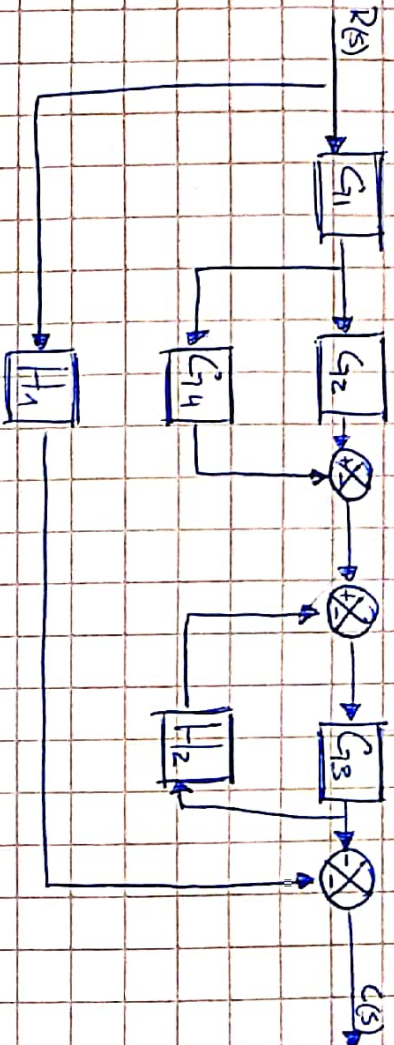


F/Mendoza B
4B

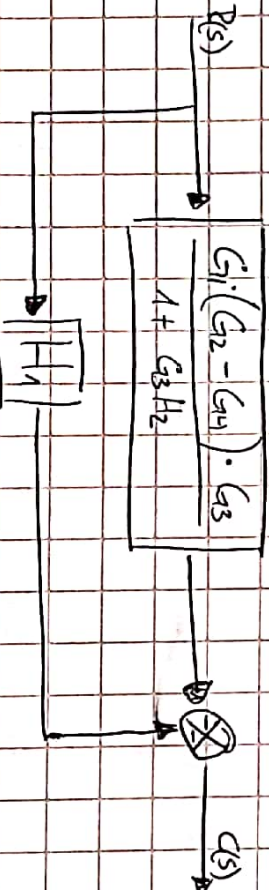
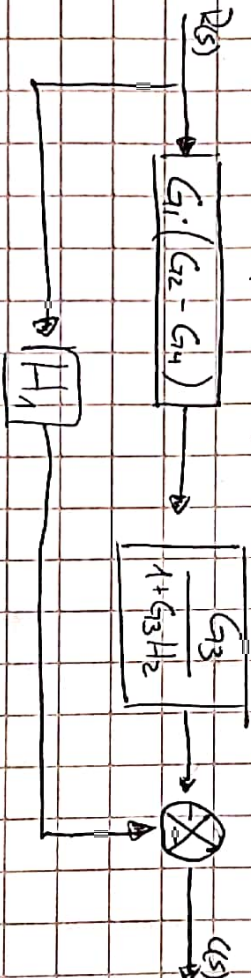
1.-



2-

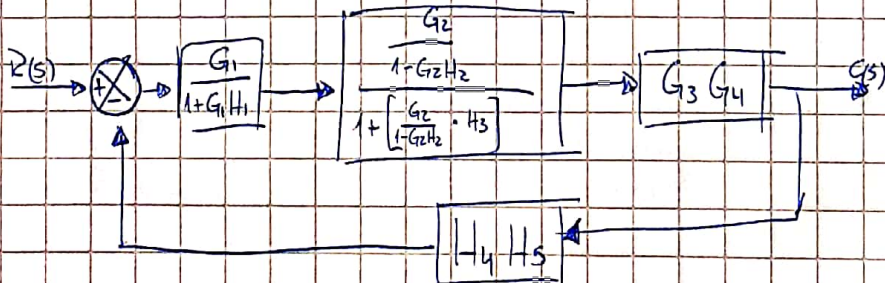
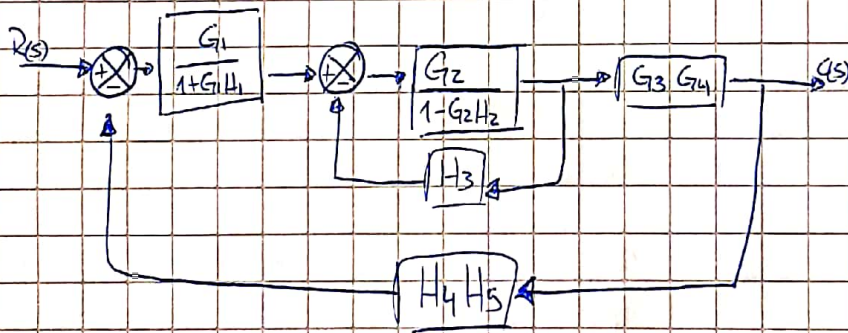
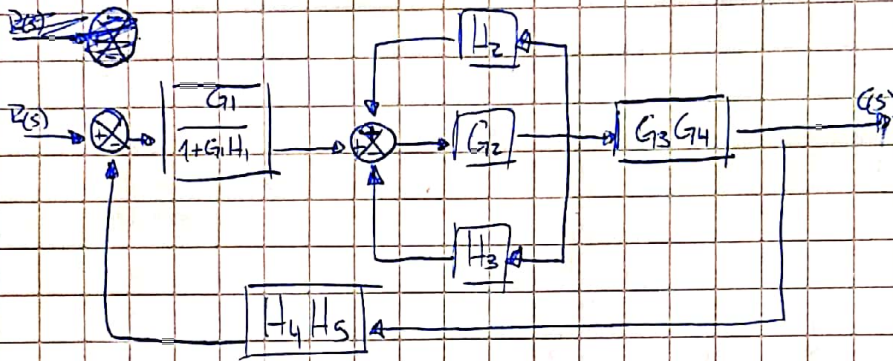
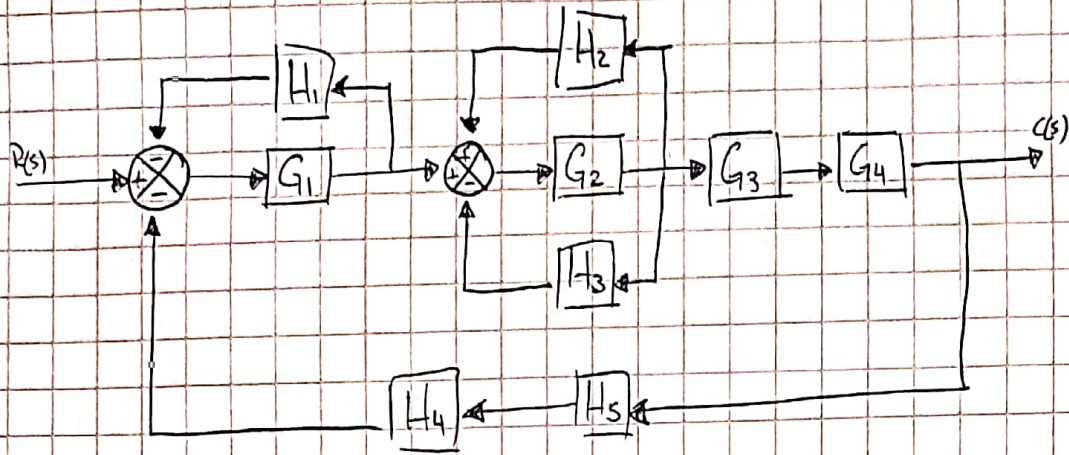


Contoh 1: Sistem Kontrol



$$C(s) = \frac{G_1(G_2 - G_4)G_3}{1 + G_3H_2} R(s)$$

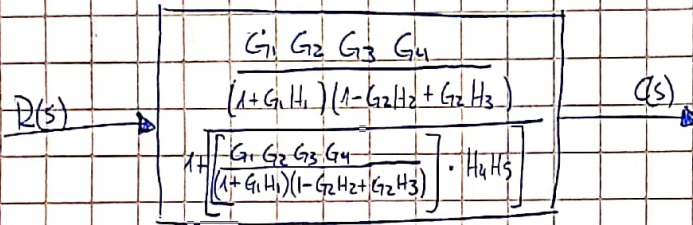
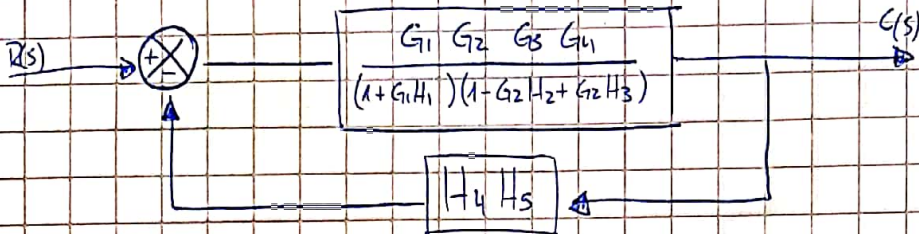
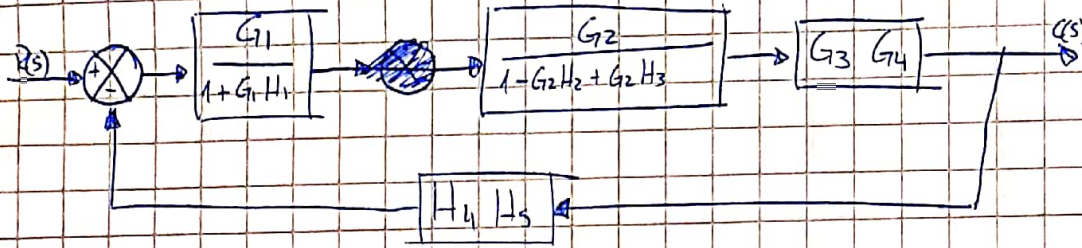
3.-



$$\frac{G_2}{1-G_2H_2} \cdot \frac{1}{1 + \left[\frac{G_2}{1-G_2H_2} \cdot H_3 \right]} = \frac{G_2}{1-G_2H_2} \cdot \frac{1}{1 - \frac{G_2H_3}{1-G_2H_2}}$$

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$$= \frac{G_2}{1-G_2H_2} \cdot \frac{(1-G_2H_2)}{(1-G_2H_2) - G_2H_3} = \frac{G_2}{1-G_2H_2+G_2H_3}$$



*

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

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

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

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

