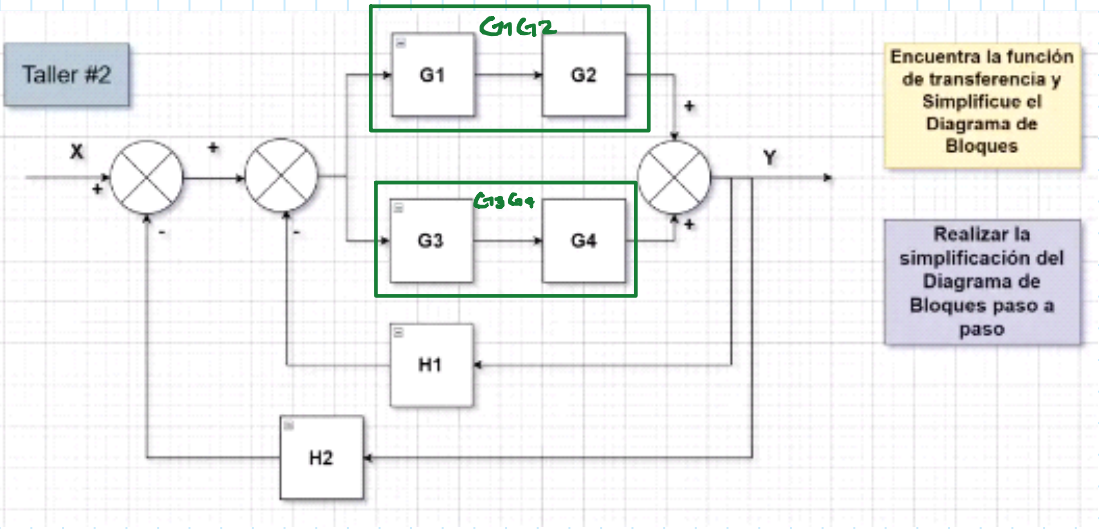
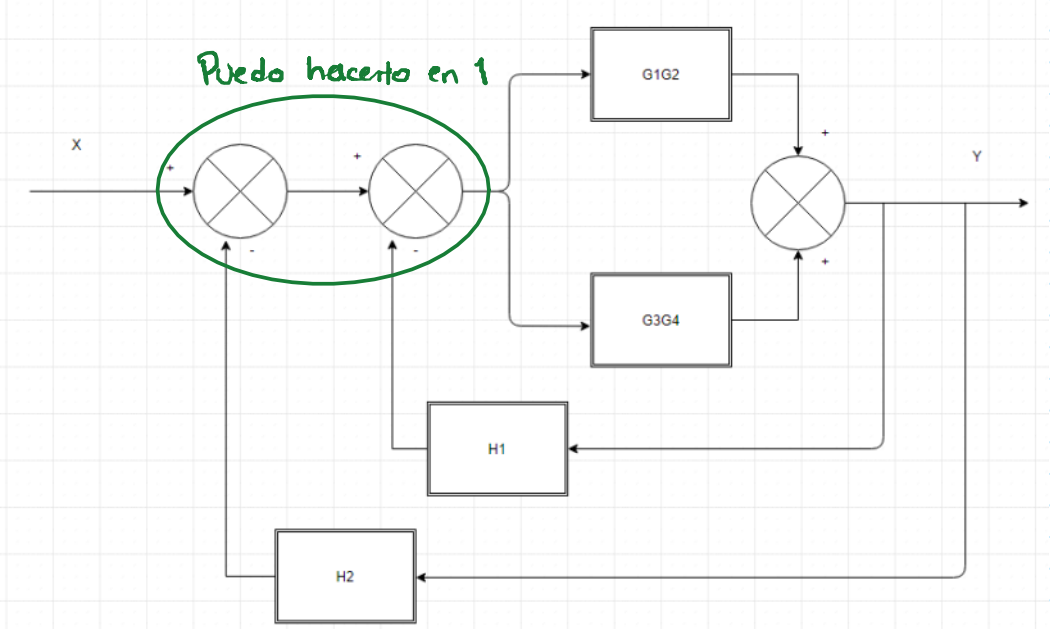
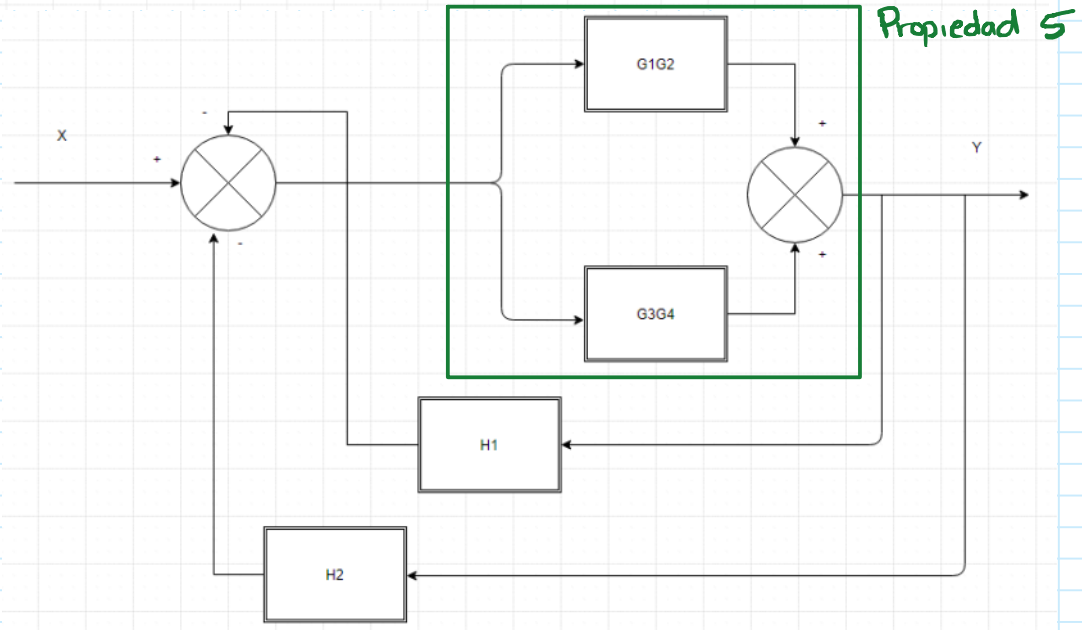
Taller 2

Zavala Roman Irvin Eduardo gpo: 551

viernes, 27 de agosto de 2021

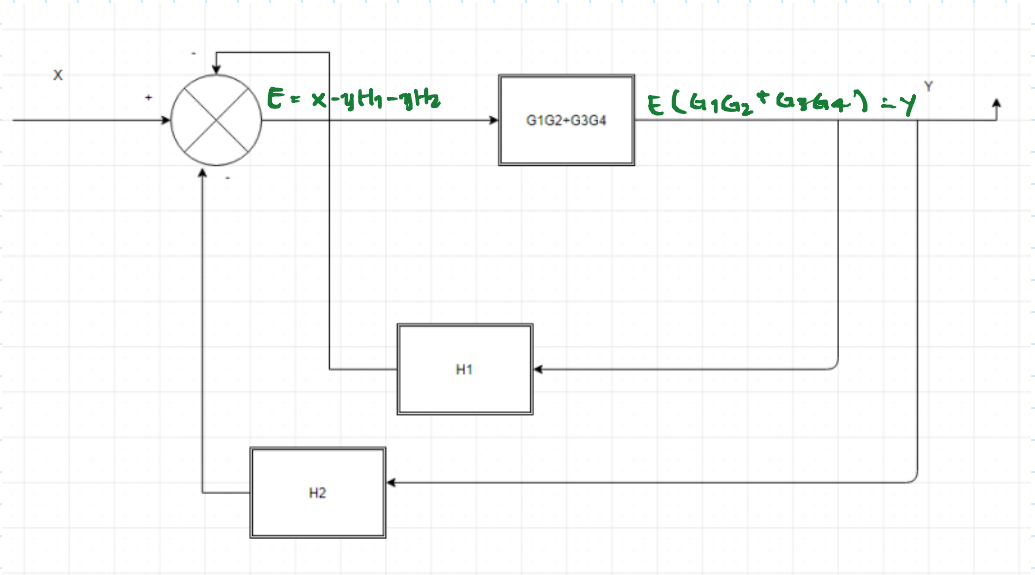






Taller 2

viernes, 27 de agosto de 2021



$$y = (x - yH_1 - yH_2)(G_1G_2 + G_3G_4)$$

$$y = xG_1G_2 + xG_3G_4 - yH_1G_1G_2 - yH_1G_3G_4 - yH_2G_1G_2 - yH_2G_3G_4$$

$$y + yH_1G_1G_2 + yH_1G_3G_4 + yH_2G_1G_2 + yH_2G_3G_4 = xG_1G_2 + xG_3G_4$$

$$y(1 + H_1G_1G_2 + H_1G_3G_4 + H_2G_1G_2 + H_2G_3G_4) = xG_1G_2 + xG_3G_4$$

$$y = \frac{x(G_1G_2 + G_3G_4)}{1 + H_1G_1G_2 + H_1G_3G_4 + H_2G_1G_2 + H_2G_3G_4}$$

$$y = \frac{x(G_1G_2 + G_3G_4)}{1 + (G_1G_2 + G_3G_4)(H_1 + H_2)}$$ Salida

$$\frac{y}{x} = \frac{G_1G_2 + G_3G_4}{1 + (G_1G_2 + G_3G_4)(H_1 + H_2)}$$ Función de transferencia