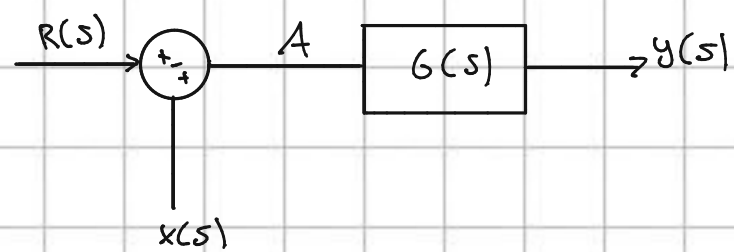


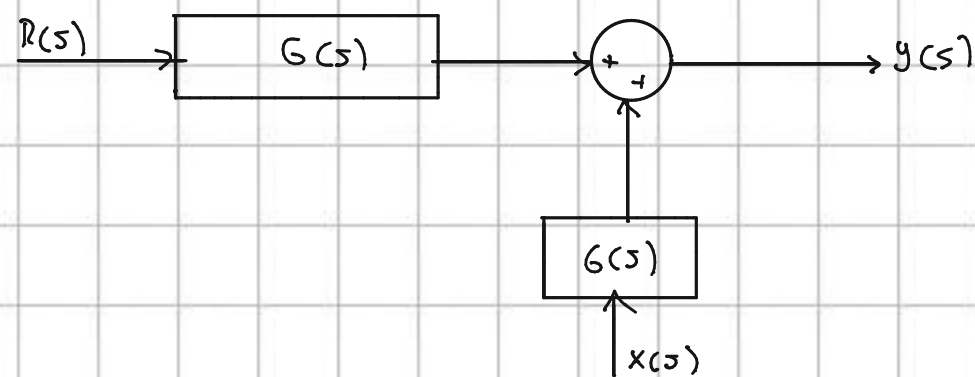
Bonificación 2

Considere los siguientes sistemas

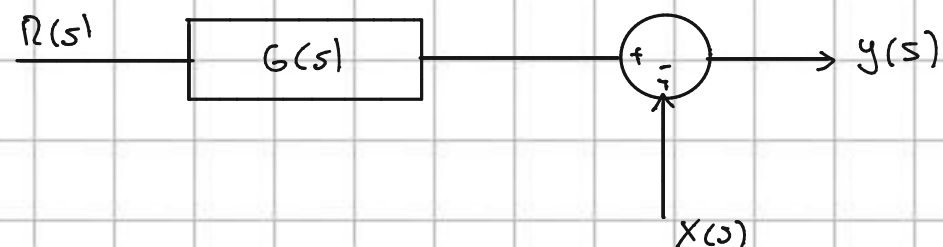
a)



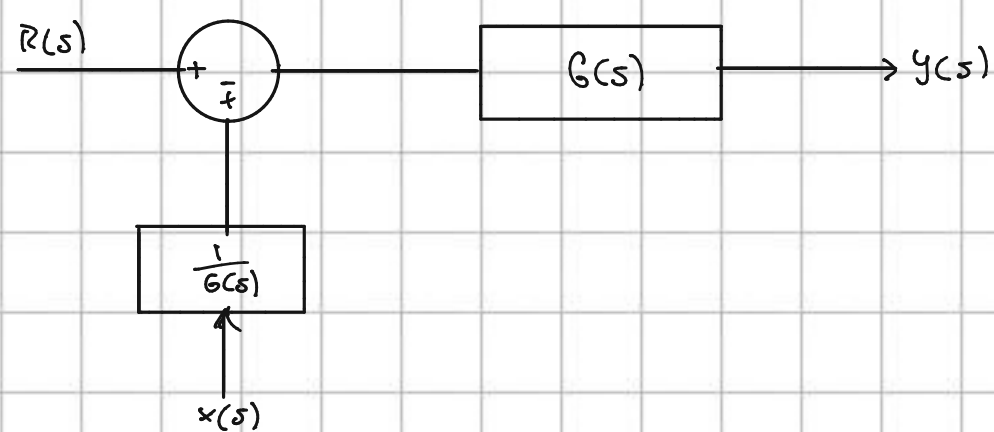
$$Y(s) = G(s)R(s) + G(s)X(s)$$



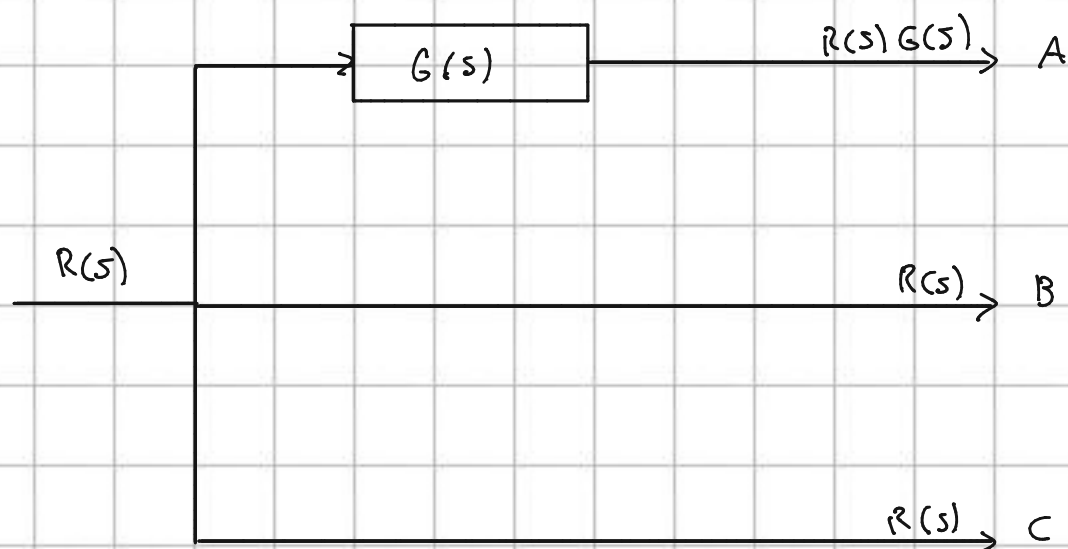
b)



$$Y = G(s)R(s) + X(s) \rightarrow Y(s) = \left(R(s) + \frac{X(s)}{G(s)} \right) G(s)$$



c)



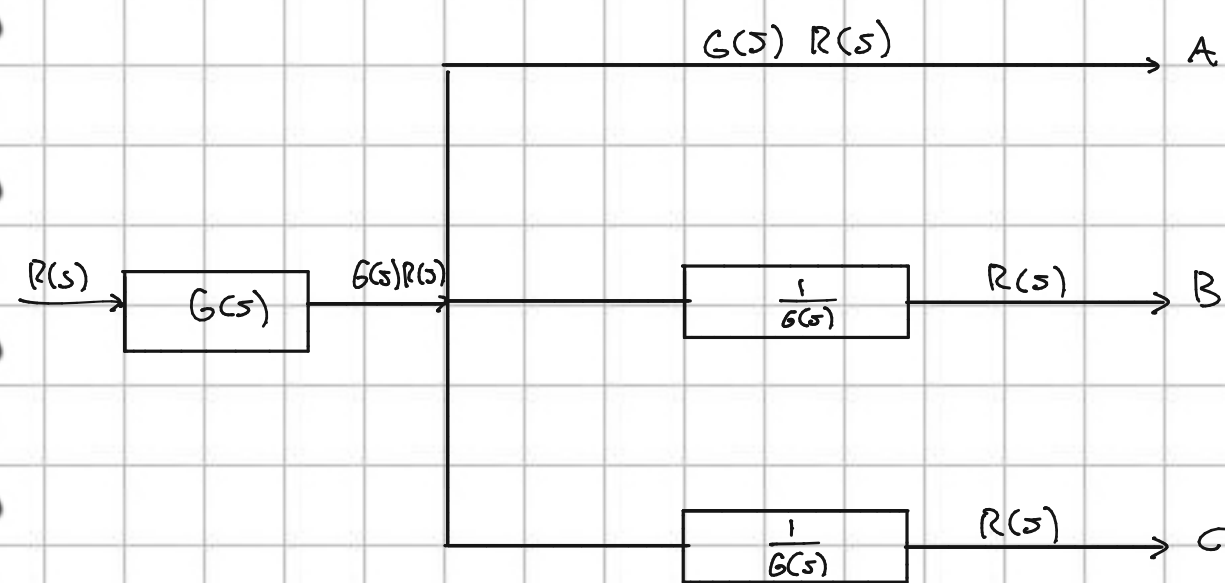
$$A = G(s)R(s) \quad B = R(s) \quad C = R(s)$$

• Si a la entrada se multiplica por $G(s)$

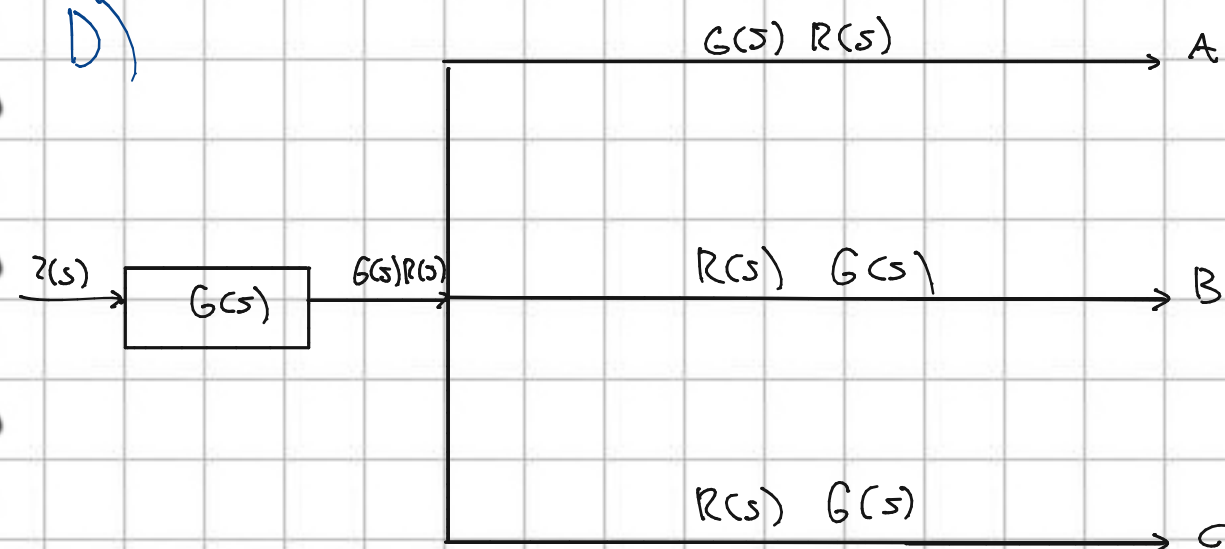
$$A = G(s)R(s)$$

$$B \cdot G(s) = G(s) \cdot R(s) \cdot \left(\frac{1}{G(s)} \right)$$

$$C \cdot G(s) = G(s) \cdot R(s) \cdot \left(\frac{1}{G(s)} \right)$$



d)



$$A = G(s)R(s) \quad B = G(s)R(s) \quad C = G(s)R(s)$$

• Considerar salida independiente

