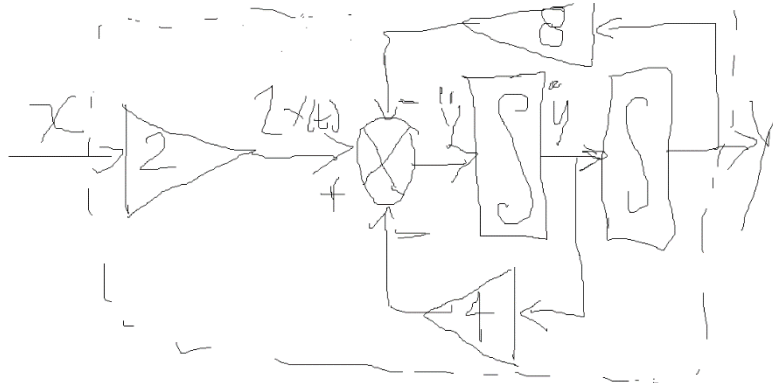


Prueba de invarianza temporal y linealidad

- **Linealidad:**

$$\ddot{y}(t) + 4\dot{y}(t) + 8y(t) = 2x(t), CI = 0$$

$$\ddot{y}(t) = 2x(t) - 4\dot{y}(t) - 8y(t)$$



$$\ddot{y}(t) + 4\dot{y}(t) + 8y(t) = 2x(t) + 1, CI = 0$$

- **Invarianza temporal:**