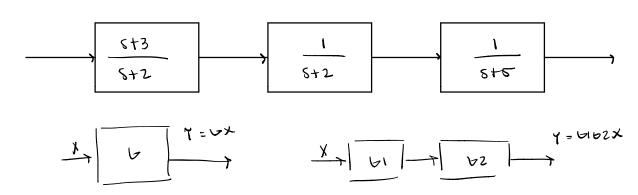
Forma Normal Diagonal (tema 3.5 del vibro)

$$b(s) = \frac{s+3}{s^3 + 9s + 24s + 20}$$

$$= \frac{s+3}{(s+2)^2 (s+5)}$$



los bloques tienen esta forma; a es un entero

$$\frac{1}{s+a} \left| \begin{array}{c} Y \\ \overline{x} \end{array} \right| = \frac{1}{s+a}$$

$$(s+a)Y = x$$

$$sY + aY = x$$

$$\dot{y} + aY = x$$

$$\dot{y} = x - aY$$

$$4 \text{ formulariol} \quad x + \dot{y} \quad \text{forder}$$

$$a \quad \text{formulariol} \quad x + \dot{y} \quad \text{forder}$$

$$\frac{5+3}{5+2} \times (aya) \qquad \frac{y}{x} = \frac{5+3}{5+2}$$

$$y(5+2y) = x(5+3) \times (aya) \qquad y' = x + 3 \times (aya) \times (aya) \qquad y' = x + 3 \times (aya) \times (aya) \qquad y' = x + (aya) \times (aya) \times (aya) \qquad y' = x + (aya) \times (aya) \qquad y' = x + (aya) \times (aya) \times (aya) \qquad y' = x + (aya) \times (aya) \times (aya) \qquad y' = x + (aya) \times (aya) \times (aya) \qquad y' = x + (aya) \times (aya) \times (aya) \times (aya) \qquad y' = x + (aya) \times (a$$

El grado del povinomio nos dice wantos integradores necesitamos.

P circuito equivalente al de aniba.

$$\dot{\chi}_1 = \chi_2 - \xi \chi_1$$

$$\dot{\chi}_2 = \chi_3 + \mu - 2\chi_2$$

$$\dot{\chi}_3 = 3\mu - 2(\chi_3 + \mu)$$

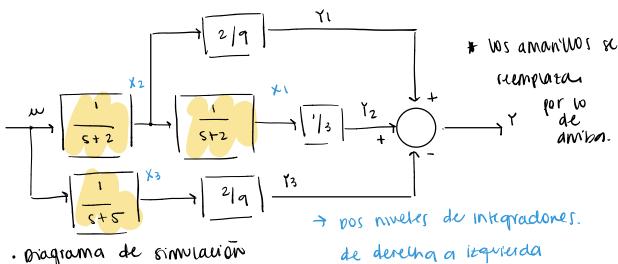
$$= -2\chi_3 + \mu$$
Nevario a evaluation matrical

Forma cunónica de Joidan

$$F.P = \frac{2|9|}{5+2} + \frac{1|3|}{(5+2)^2} - \frac{2|9|}{5+5} = \frac{Y}{M} = \frac{\text{sauido}}{\text{entrado}}$$

$$Y = \left(\frac{2|9|}{5+2}\right)M + \left(\frac{1|3|}{(5+2)^2}\right)M - \left(\frac{2|9|}{5+5}\right)M$$

$$= \frac{Y}{M} + \frac{Y}{M} = \frac{Y}{M} + \frac{Y}{M} = \frac{$$



. Diagrama de similarion

- primer much Tel mas alto

Forma canónica de jordan + Fracueves parcialles diagonal normal factomación Obsurva unmelable

$$\begin{array}{cccc}
\gamma_1 & \Rightarrow & \underline{\chi}_1 \\
\gamma_2 & \Rightarrow & \underline{\chi}_2
\end{array}$$

$$M = \begin{bmatrix}
\chi_1 & \chi_2 \\
\chi_2 & \chi_{21}
\end{bmatrix}$$

$$\chi_{21} & \chi_{22}$$

para que sour? si cor conoro - matrir modal. siempre tiene muisa.