

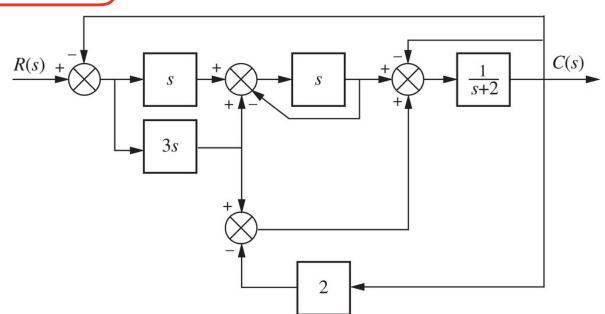
$$G_{1}(s) = \frac{so}{s+1} = \frac{sos}{s^{2}+s+100}$$

$$I+\left(\frac{2}{5}\right)\left(\frac{so}{s+1}\right) = \frac{sos}{s^{2}+s+100}$$

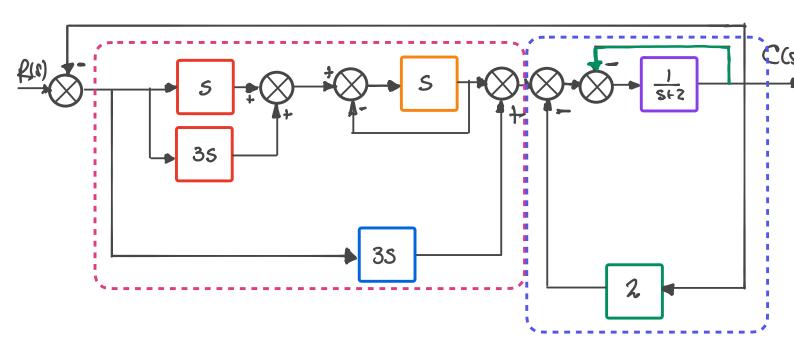
$$T(S) = \frac{505 - 100}{5^3 + 5^2 + 1005}$$

$$1 + \frac{505 - 100}{5^3 + 5^2 + 1005}$$

## tjenplo 2



## Ledibijando:



- 5+3S = 4S
- <u>5</u> 5H

$$(48)(\frac{S}{St1}) + 3S = \frac{7S^2 + 3S}{St1}$$

$$\frac{1}{1+3\left(\frac{1}{5+2}\right)} = \frac{1}{5+2+3} = \frac{1}{5+5}$$

$$\frac{1}{5+1}$$

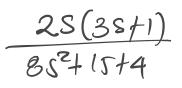
$$T(s) = \frac{75^2 + 35}{(Sr)(Str)}$$

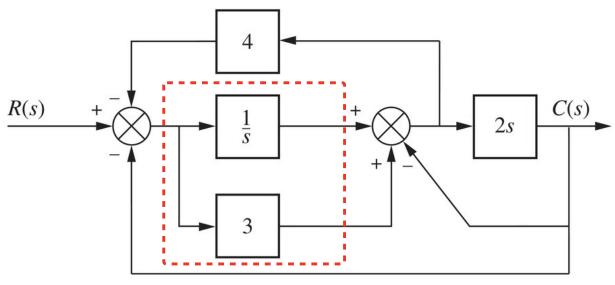
$$1 + \frac{75^2 + 35}{(Sr)(Str)}$$

$$T(S) = \frac{7S^2 + 3S}{S^2 + 6S + 5 + 7S^2 + 3S}$$

$$T(s) = \frac{7s^2 + 35}{8s^2 + 9s + 5}$$

Ejemplo 3





 $\frac{1}{s} + 3 = \frac{3s+1}{s}$   $\frac{4}{s} + 3 = \frac{3s+1}{s}$   $\frac{3s+1}{s} + 3 = \frac{3s+1}{s}$ 

$$\frac{4}{2S} + 1 = \frac{4+2S}{2S} = \frac{5+2}{S}$$

$$T(S) = \frac{\left(\frac{3S+1}{S}\right)\left(\frac{2S}{1+2S}\right)}{\left(\frac{2S+1}{S}\right)\left(\frac{2S}{1+2S}\right)}$$

$$= \frac{65+2}{28+1}$$

$$= \frac{(28+1)+(5+2)(38+1)(2)}{5(28+1)}$$

$$T(s) = \frac{s(6s+2)}{8s^2+1ss+4}$$