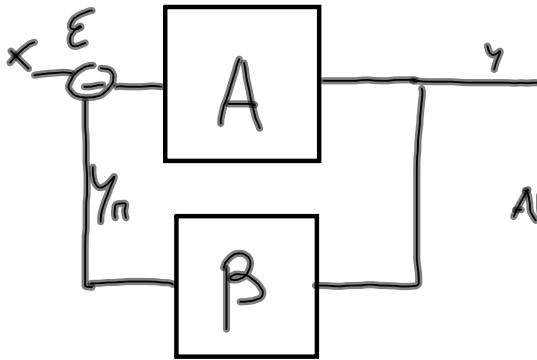




ALGEBRA DEGLI SCHEMI
A BLOCCHI

$$\textcircled{2} \quad \varepsilon(s) = x(s) - y_n(s)$$

$$\textcircled{3} \quad y(s) = \varepsilon(s) \cdot A(s)$$

$$\textcircled{1} \quad \frac{y(s)}{x(s)} = \frac{\varepsilon(s) \cdot A(s)}{\varepsilon(s) + y_n(s)}$$

$$\textcircled{5'} \quad y_n(s) = \beta \cdot y(s)$$

$$\textcircled{1'} = \frac{\varepsilon(s) \cdot A(s)}{\varepsilon(s) + \beta \cdot y(s)} =$$

$$\textcircled{4'} \quad y(s) = \varepsilon(s) \cdot A(s)$$

$$\textcircled{1''} = \frac{\varepsilon(s) \cdot A(s)}{\varepsilon(s) + \beta \cdot \varepsilon(s) \cdot A(s)} = \frac{\varepsilon(s) \cdot A(s)}{\varepsilon(s) (1 + \beta \cdot A(s))} =$$

$$\frac{y(s)}{x(s)} = \frac{A(s)}{1 + \beta(s) \cdot A(s)}$$

con retroazione