$$R(s) = R(s) - y(s)$$

$$E(s) =$$

 $T(3) = \frac{63^2 + 603 + 63^2 + 603 + 63^2 + 663 + 60}{0.63^3 + 63^2 + 563 + 60} = \frac{63^3 + 663 + 60}{0.63^3 + 63^2 + 563 + 60}$

Bibo ESTAUEL

Calculo do erro Rm regime Permonte AR(D) - PENTRAPA ERRO DE REGIME PERMANENTE = 0 ENTRADA RAMPA $Y(\infty) = \lim_{s \to 0} s \cdot \frac{1}{s^2} \left(1 - \frac{6s^2 + 66s + 60}{9(6s)^3 + 6s^2 + 5i} \right)$ (8,63³+63²+563+60) $4(00) = \lim_{N \to 0} x \cdot \frac{1}{x^2} \left(0_{16}x^3 + 6x^2 + 86x + 60 - 6x^2 - 66x - 60 \right)$ 0,633+632+563+60 $Y(00) = lim = 1 = (0.65^3 - 105) = (0.65^3 + 65^2 + 5)$ 10,633+632+563+60/ V(d) = lim 10,633+682+568+60)-ERRO DE REGIME PERMANENTE = 11