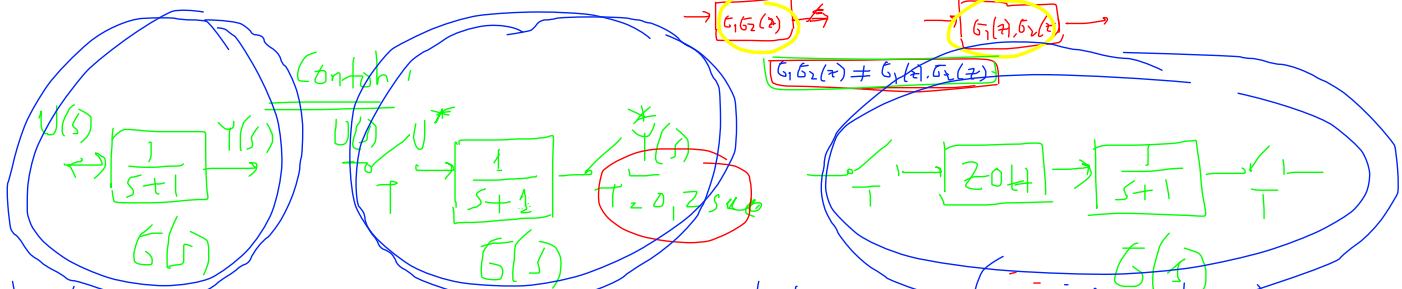


$$y(z) = \frac{z^2}{z^2 - 0,181269z + 0,81073}$$

$$\begin{array}{r} 1 + 0,1812697^{-1} \neq 0,70897^{-1} \\ \hline \sqrt{2^2} \\ 2^2 - 0,1812697 + 0,81873 \\ \hline 0,1812697 - 0,81873 \\ \hline 0,1812697 - 0,81873 + \\ \hline 0,81873 \end{array}$$

$$0,7858$$

posisi penempatan menentukan!


$$\begin{aligned} U(s) &= \frac{1}{s+1} \quad \longrightarrow \quad U(z) = \frac{z}{z-1} \\ G(s) &= \frac{1}{s+1} \quad \longrightarrow \quad G(z) = \frac{1}{z-1} \end{aligned}$$

$$\gamma(z) = \frac{z^2}{z^2 - (1 + e^{-\theta_1 z})e^{-\theta_1 z}}$$

$$\psi(k) = z^{-1} \psi(z)$$

$$Y(r) = G(r)U(r) \\ = \frac{1}{s(r+1)}$$

$$= \frac{z}{z - 2^{-0,2}}$$

$$Y(z) = G(z) \cdot U(z) = \left(\frac{z}{z-1} \right) \left(\frac{z}{z - e^{-0.2}} \right)$$

$$y(t) = \mathcal{L}^{-1} \frac{1}{s(s+1)} = 1 - e^{-t}$$