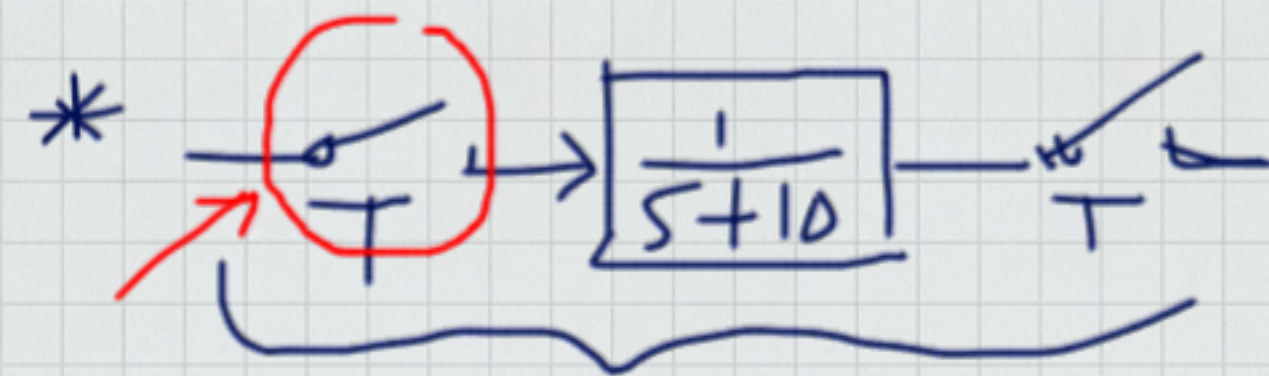
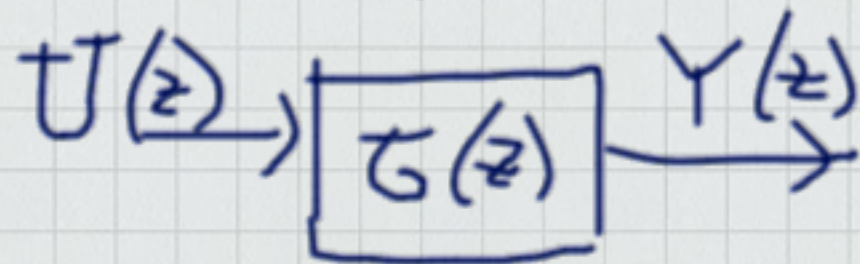




$$G(z) = Z \frac{1}{5+z}$$

$$= \frac{z}{z - e^{-1}} = \frac{z}{z - 0,3679}$$

$$T = 0,161$$



$$U(z) = Z U(k) = Z \frac{1}{5} = \frac{z}{z-1}$$

$$Y(z) = G(z)U(z) = \left(\frac{z}{z-0,3679} \right) \left(\frac{z}{z-1} \right)$$

Dengan pembagian:

$$= \frac{z^2}{z^2 - 1,3679z + 0,3679}$$

$$\begin{array}{r} 1 + 1,3679z^{-1} + \dots \\ z^2 - 1,3679z + 0,3679 \overline{) z^2} \\ \underline{z^2 - 1,3679z + 0,3679} \\ 1,3679z - 0,3679 \\ \underline{1,3679z -} \dots \end{array}$$

k	y(k)
0	1
1	1,3679
⋮	⋮