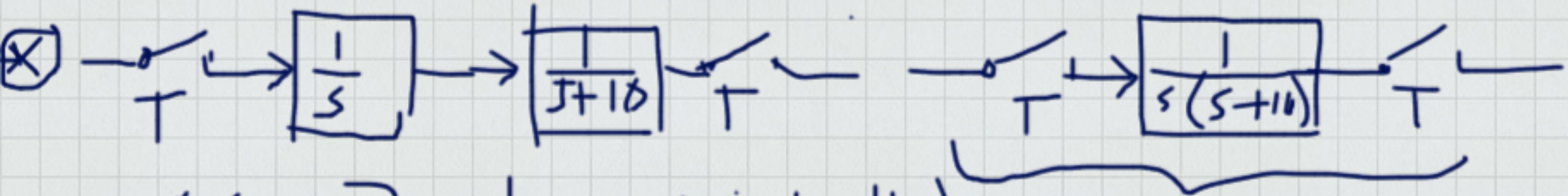
* Posisi pencuplik

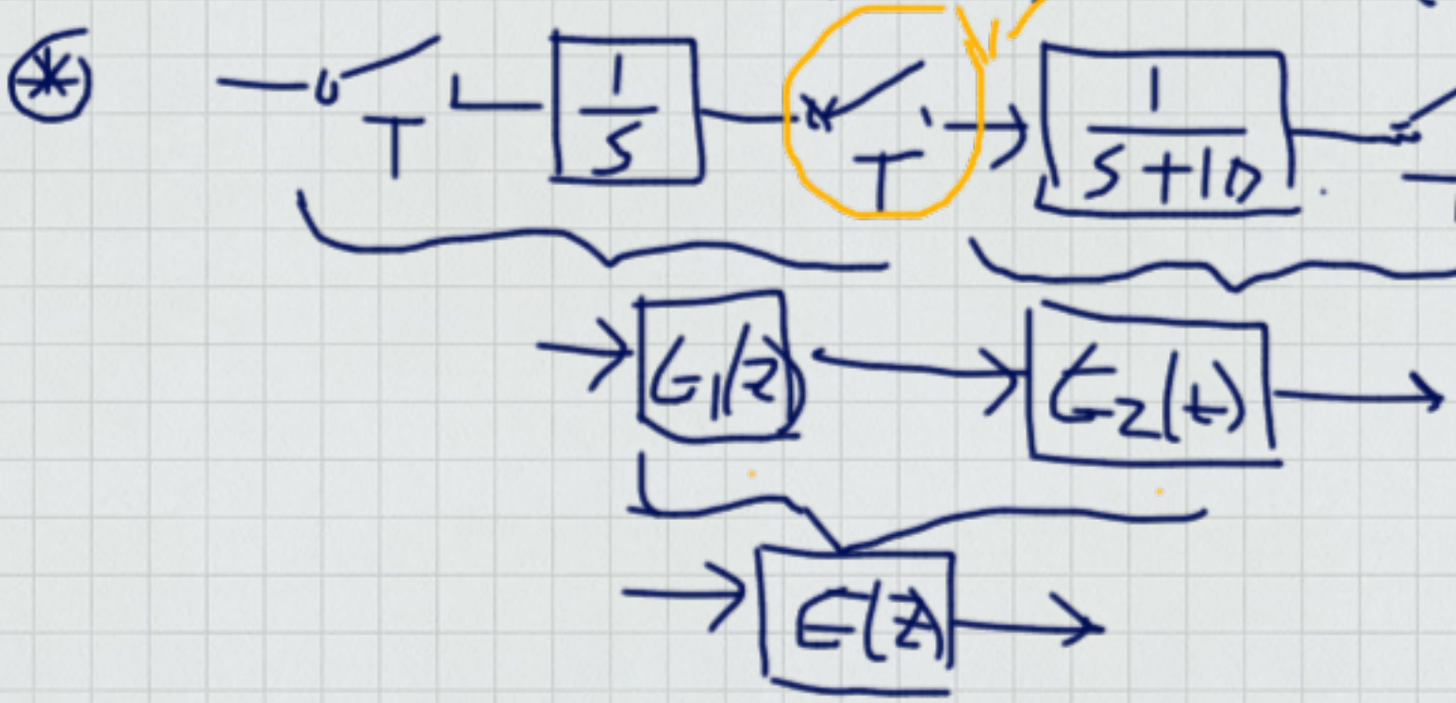
T = 1 sec



$$G(z) = \mathcal{Z}\frac{1}{s(s+10)} \quad \text{(lihat Tabel)}$$

$$= \mathcal{Z}\frac{1}{10}\left[\frac{10}{s(s+10)}\right]$$

$$= \frac{1}{10}\mathcal{Z}\left\{\frac{10}{s(s+10)}\right\} = \frac{1}{10}\frac{z(1-e^{-10})}{(z-1)(z-e^{-10})} = \frac{0,099995z}{(z-1)(z-0,0)}$$



$$G_1(z) = \frac{z}{z-1}$$

$$G_2(z) = \frac{z}{z-e^{-10}}$$

$$G(z) = G_1(z)\,G_2(z)$$

$$= \frac{z^2}{(z-1)(z-e^{-10})}$$