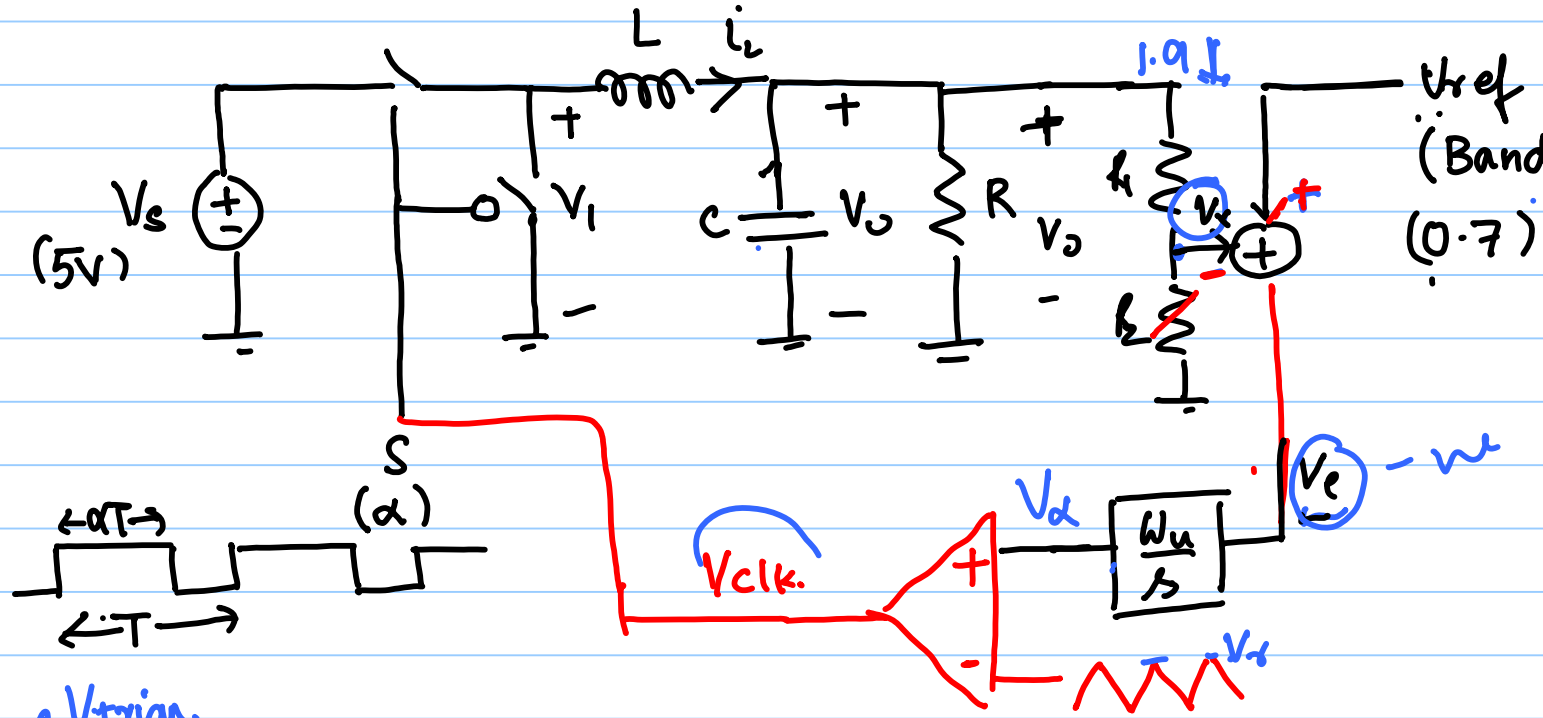
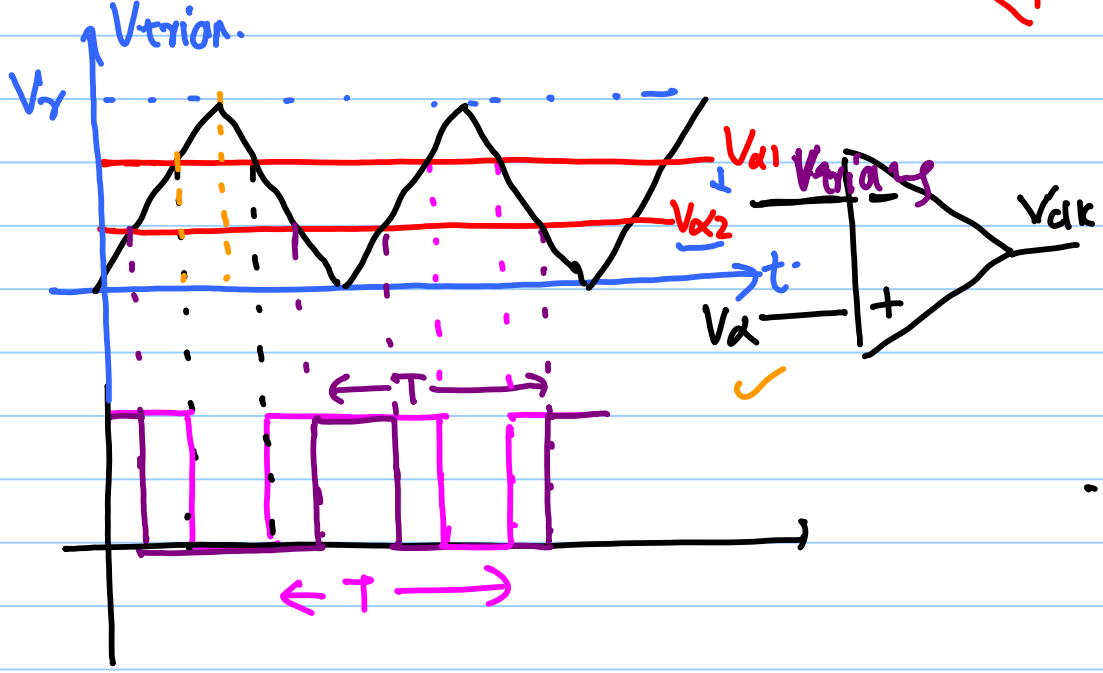
# Lecture # 24

Note Title 08-03-2022



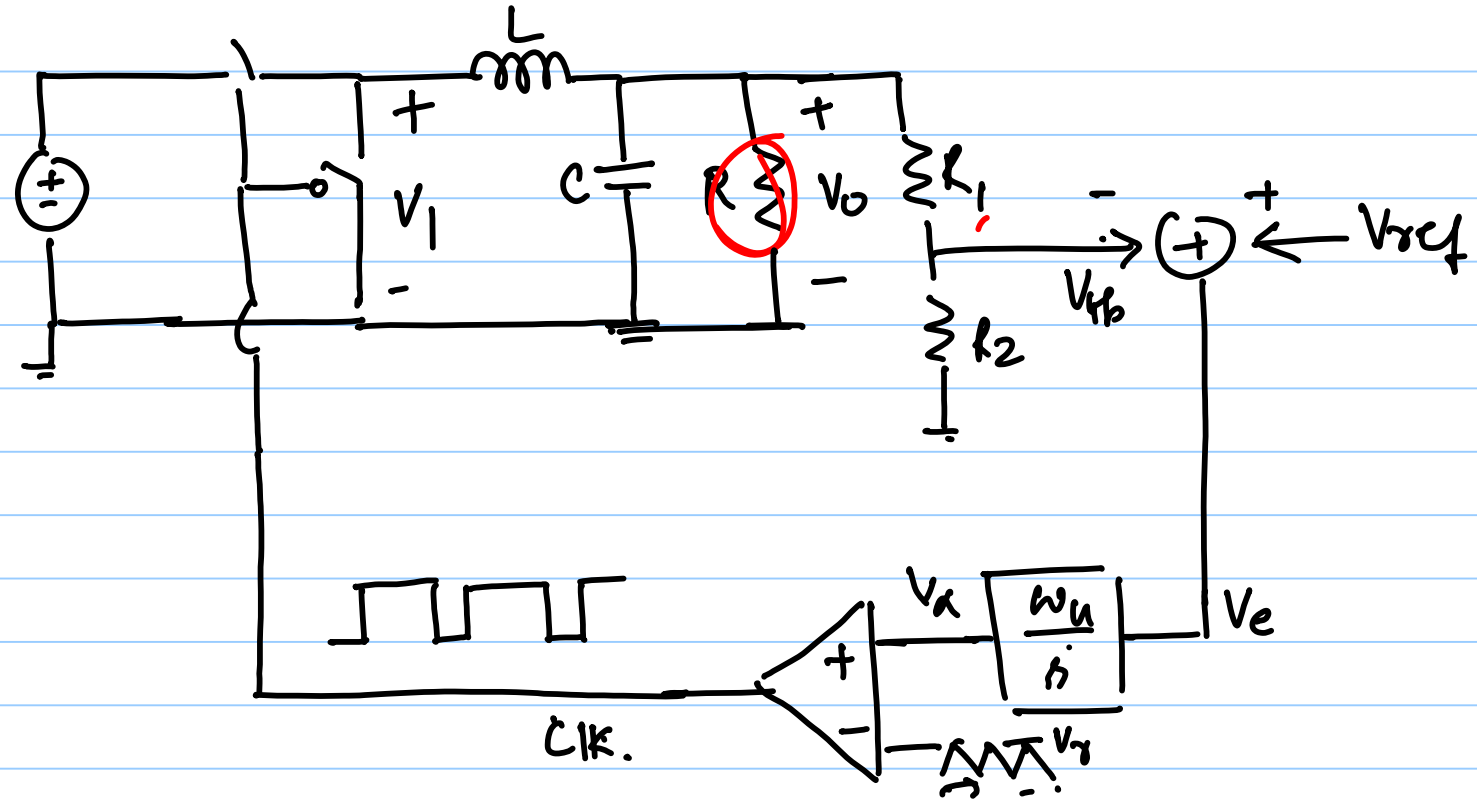

$V_o = 1.8\,V$

$$\frac{R_2}{R_2+R_1} \times 1.8 = 0.7$$

$$\alpha \frac{T}{2} = \frac{V_\alpha}{\{V_r/(T/2)\}} = \frac{V_\alpha}{2V_r} \cdot T$$

$$\boxed{\alpha = \frac{V_\alpha}{V_r}}$$

$$1.8 = \alpha V_{DD} = \alpha \times 5$$




$$\frac{V_o}{V_1} = \frac{1}{\frac{s^2}{\omega_p^2} + \frac{s}{\omega_p Q_p} + 1} \quad , \quad \frac{V_a}{V_e} = \frac{\omega_u}{s} \quad , \quad \alpha = \frac{V_a}{V_r} \quad ,$$

$\therefore$