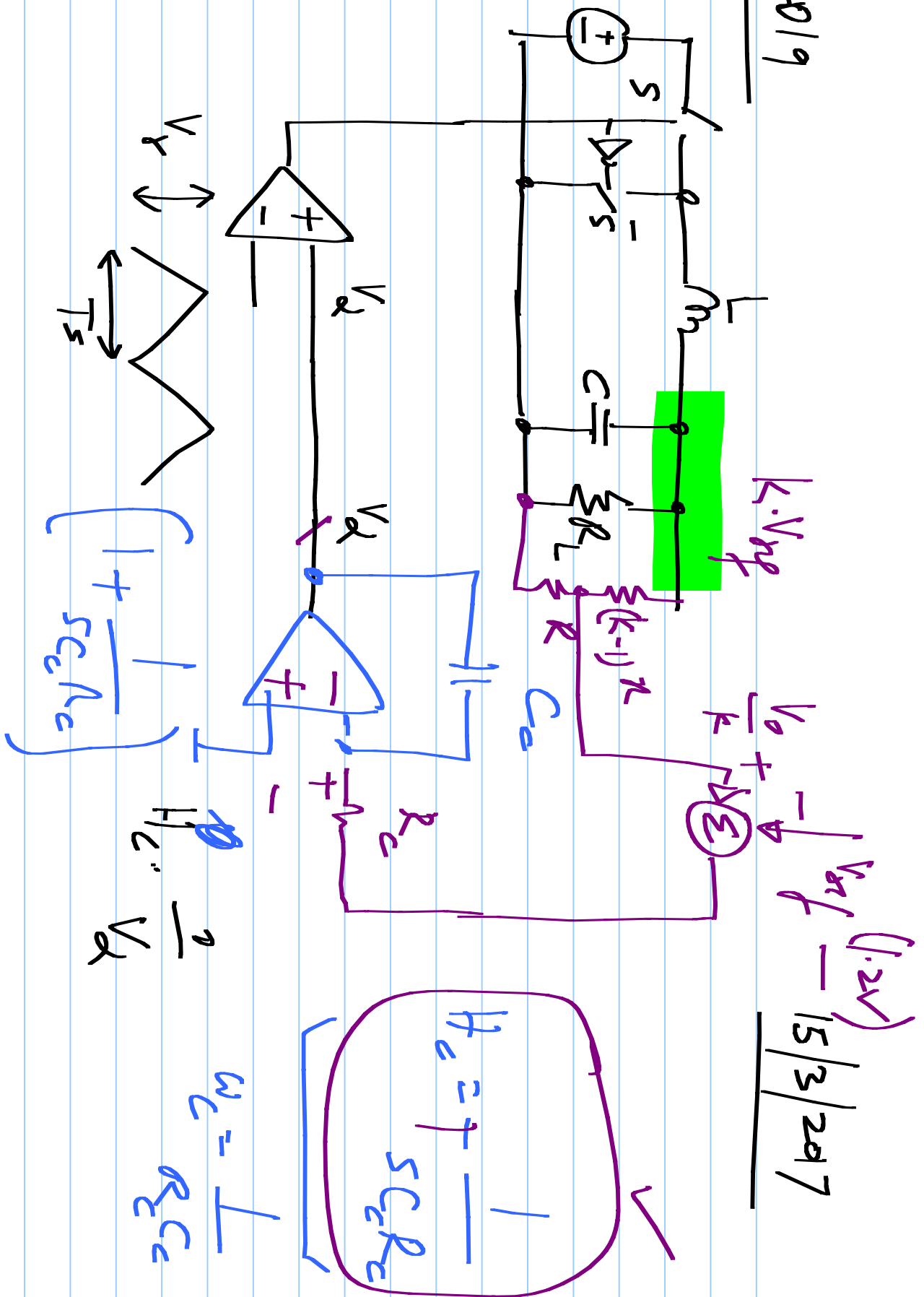
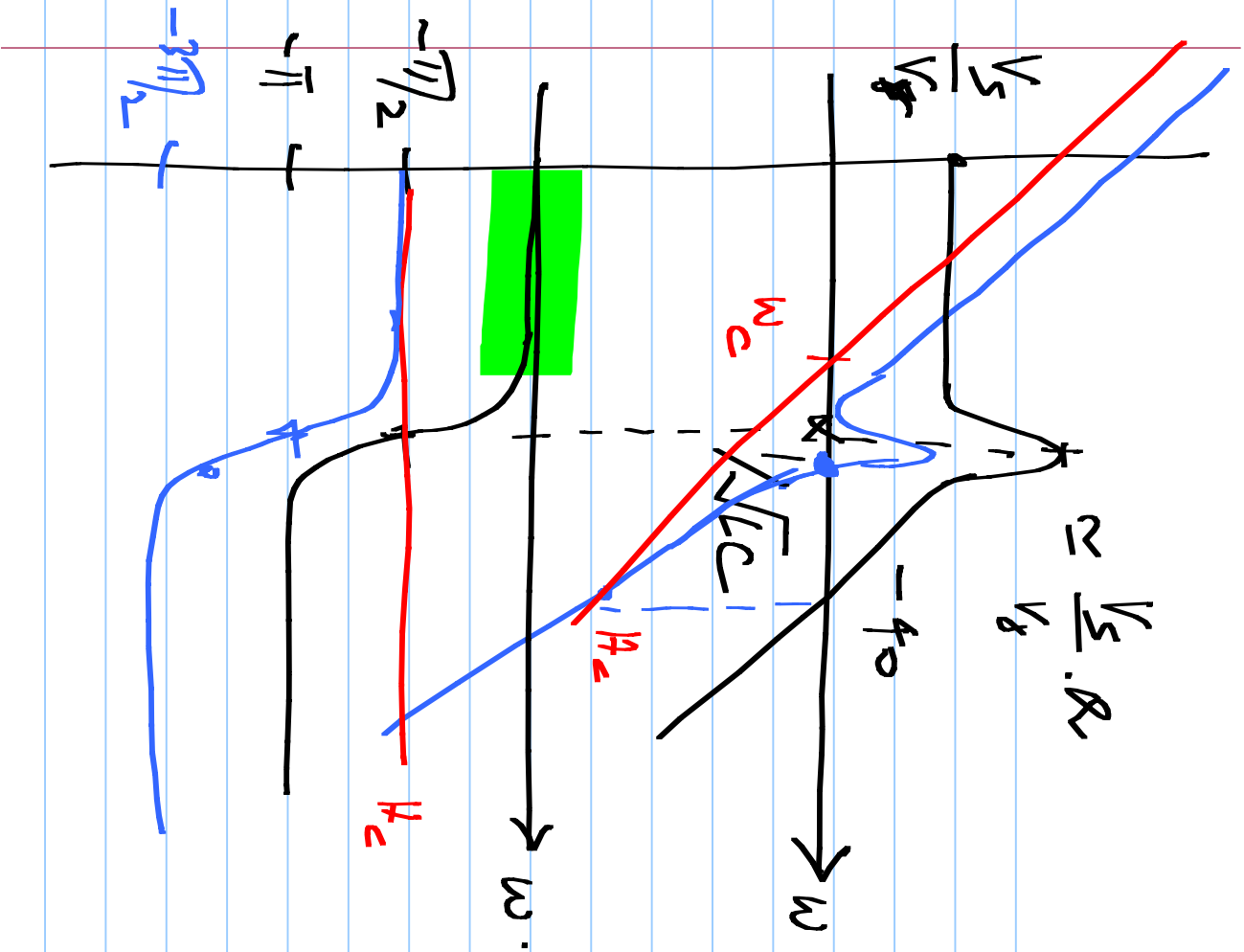


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$$\approx \frac{V_s}{V_i} \cdot R$$

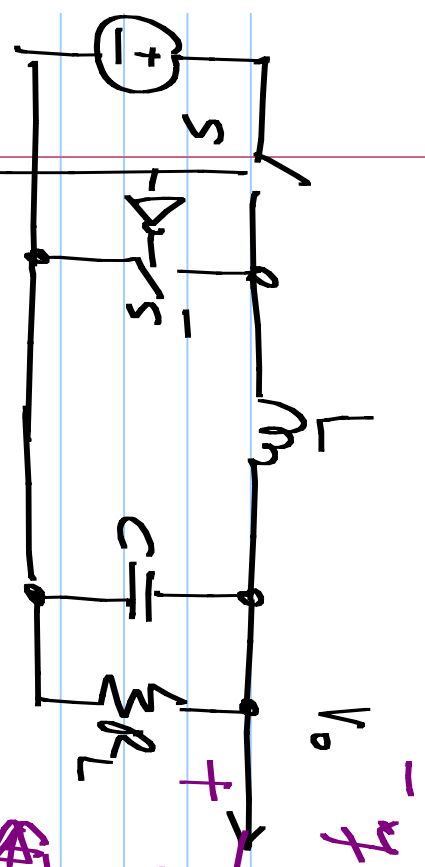
$$\frac{V_o(s)}{V_i(s)} = \frac{V_s}{V_i} \cdot \frac{1}{s^2 LC + s \frac{R}{L} + 1}$$

$$R = R_L \sqrt{\frac{C}{L}}$$

$H_c$ : high gain @ dc

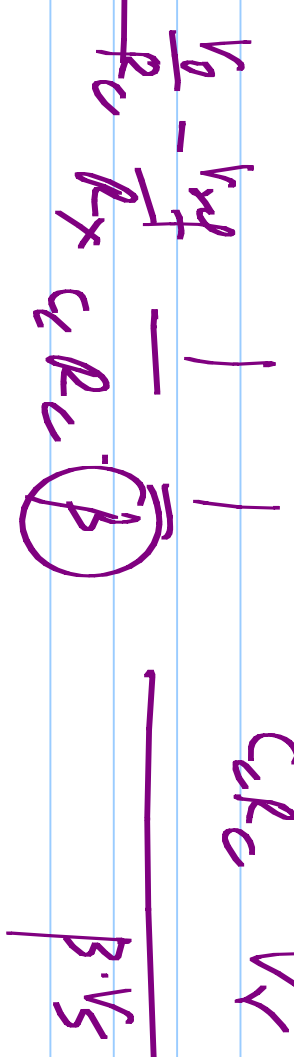
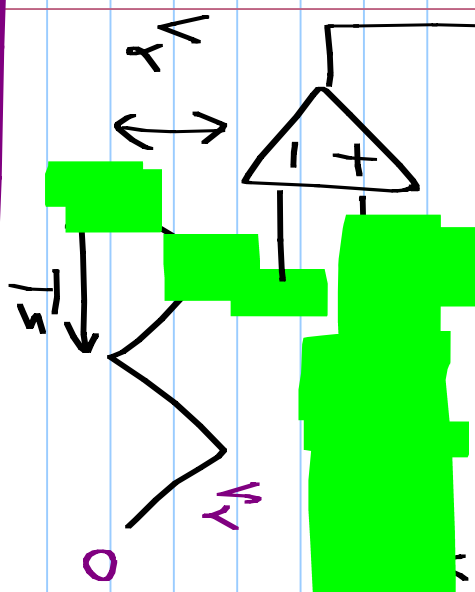
$$H_c = \frac{\omega_c}{s} \text{ (Integrator)}$$





$$H_c = \frac{1}{s C R_c}$$

$$\omega_{\text{loop}} = \omega_c \cdot \frac{V_s}{V_y}$$



$$V_{ref} = 1.2V$$

