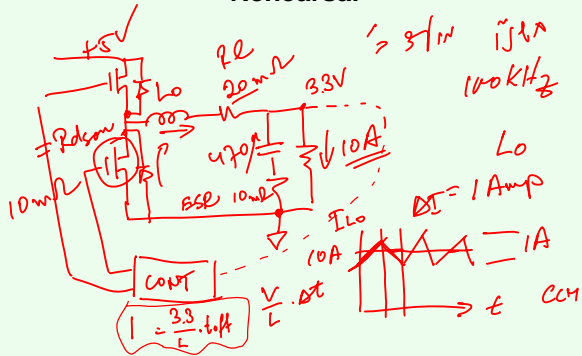
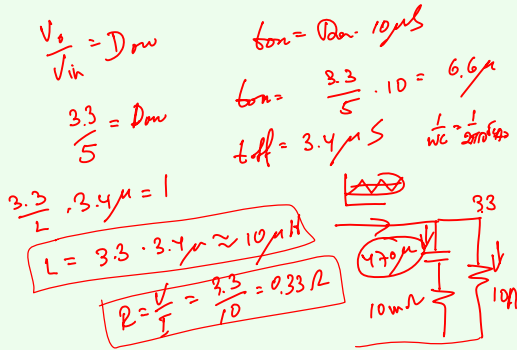
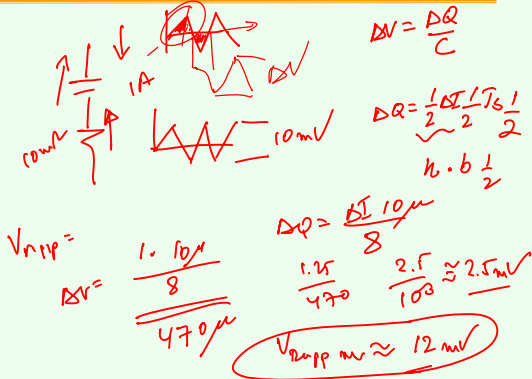
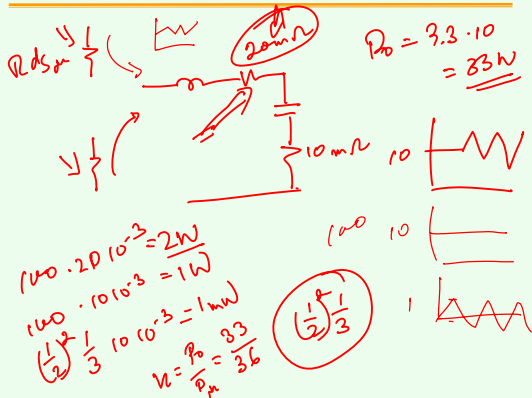


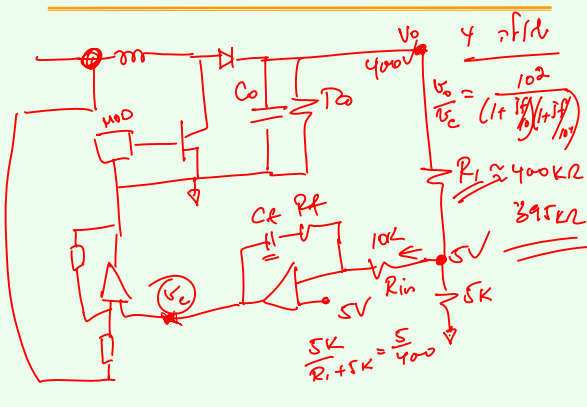
Rehearsal

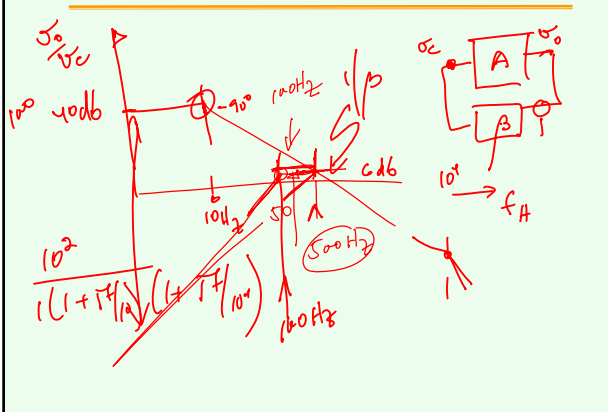












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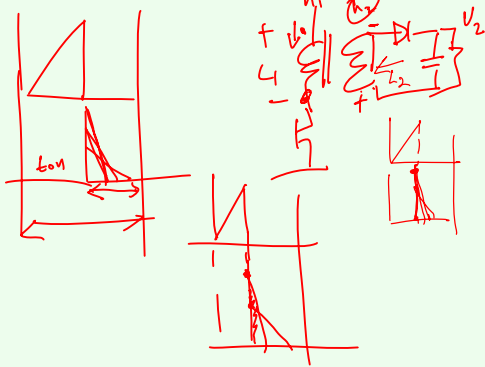
$\frac{1}{20000} = 5 \times 10^{-5}$
 $\frac{R_f}{15K} = \frac{5V}{400}$
 $\frac{R_f}{15K} = \frac{1}{80}$
 $R_f = 1.875K$
 $\frac{R_f}{15K} = \frac{1}{1.5}$
 $R_f = 100K$
 $\beta = \frac{1}{1.5} = 0.67$
 $\frac{1}{\beta} = 1.5$
 $V_o = \frac{5V}{1.5} = 3.33V$
 $\frac{1}{\beta} = 1.5$
 $V_o = \frac{5V}{1.5} = 3.33V$
 $\beta = \frac{1}{1.5} = 0.67$
 $\frac{1}{\beta} = 1.5$
 $V_o = \frac{5V}{1.5} = 3.33V$

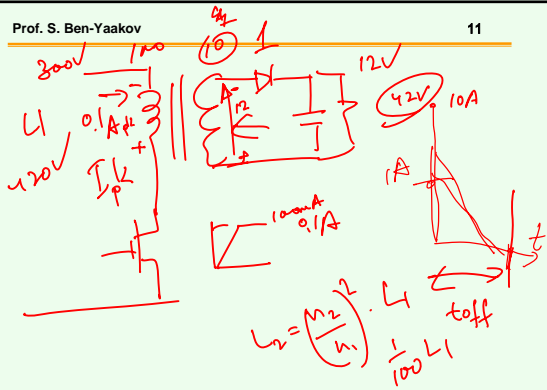
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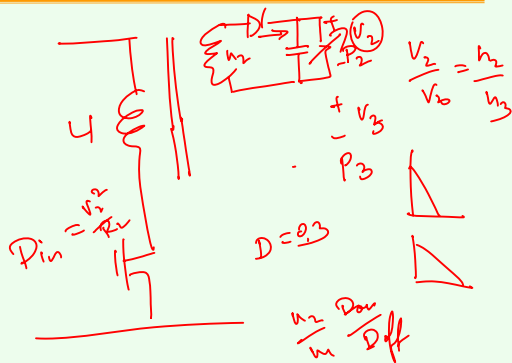
$\beta = \frac{R_f}{R_f + R_L}$
 $\frac{1}{\beta} = 1 + \frac{R_L}{R_f}$
 $V_o = 5V \cdot \left(1 + \frac{R_L}{R_f}\right)$

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$\beta = \frac{1}{1.5} = 0.67$
 $\frac{1}{\beta} = 1.5$
 $V_o = \frac{5V}{1.5} = 3.33V$
 $\beta = \frac{1}{1.5} = 0.67$
 $\frac{1}{\beta} = 1.5$
 $V_o = \frac{5V}{1.5} = 3.33V$
 $\beta = \frac{1}{1.5} = 0.67$
 $\frac{1}{\beta} = 1.5$
 $V_o = \frac{5V}{1.5} = 3.33V$







$n_p = 60$ $n_i?$
 $\mu_n = 5 \text{ cm}^2/\text{Vs}$
 $A_c = 0.5 \text{ cm}^2$
 $L_1 = \frac{n_i^2 \mu_n A_c}{I_c}$

