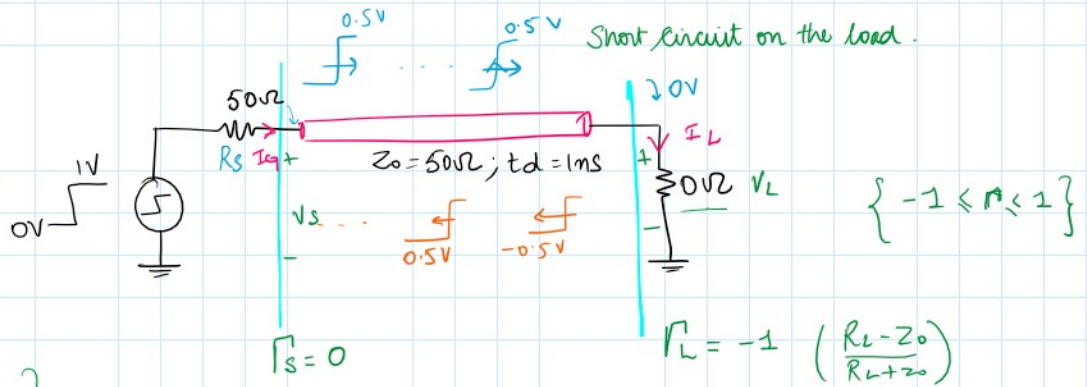
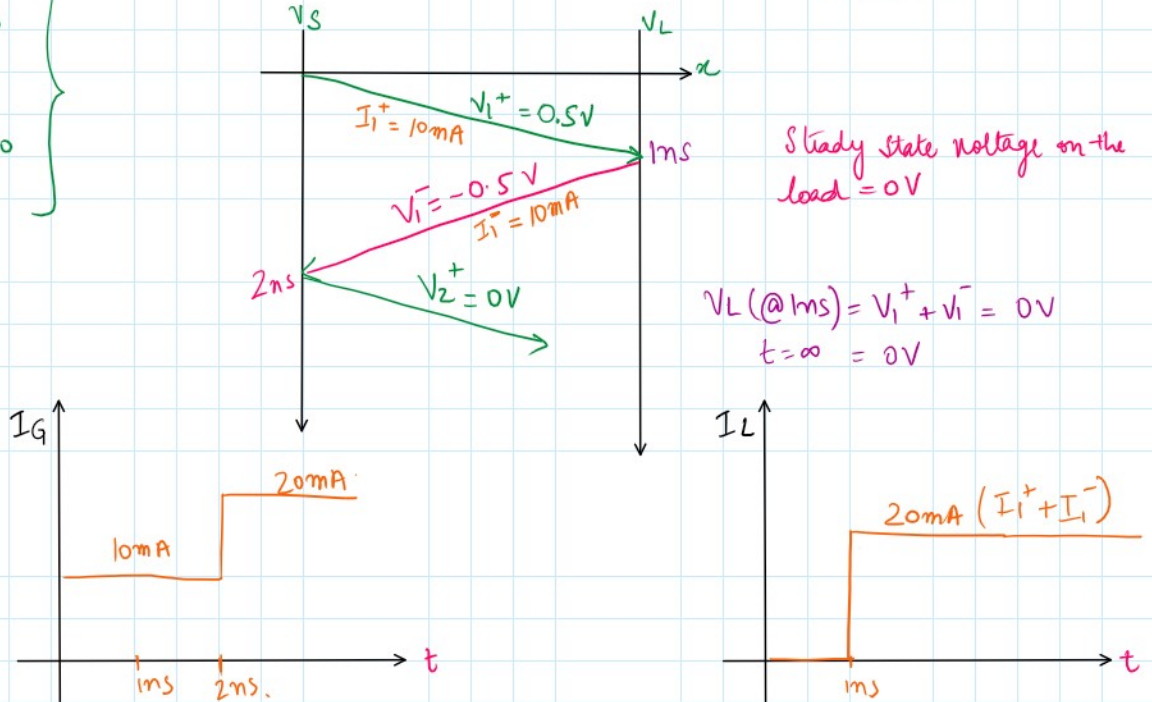


HW-2 will be posted today

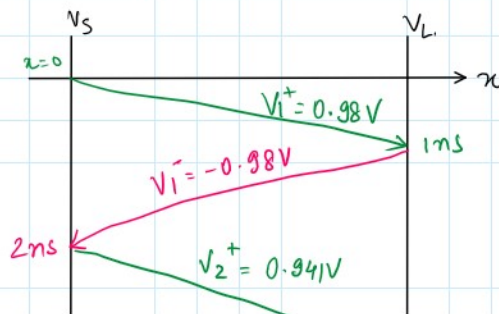
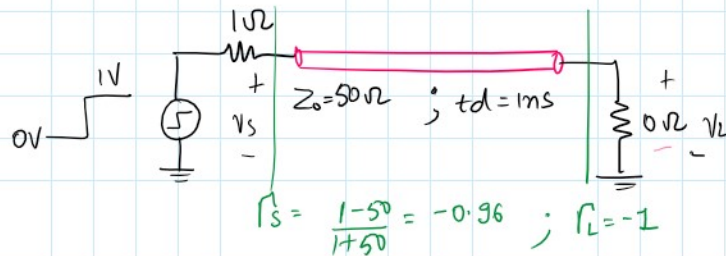
Example 1:



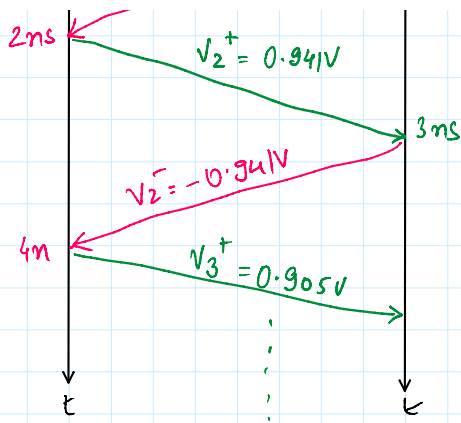
$\left. \begin{aligned} \frac{V^+}{I^+} = Z_0 \\ \frac{V^-}{I^-} = -Z_0 \end{aligned} \right\}$



Example 2:

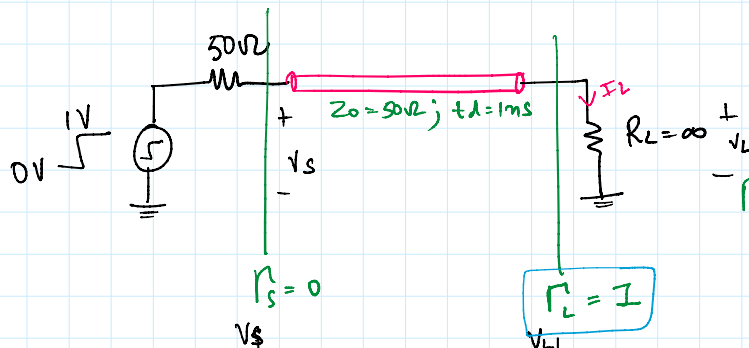


Observation: Very slow reduction of voltage at the generator toward 0V.



of voltage at the generator toward 0V.

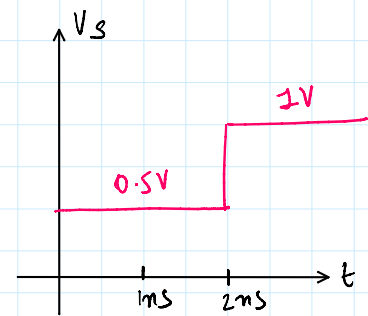
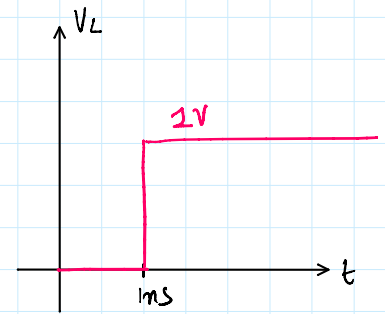
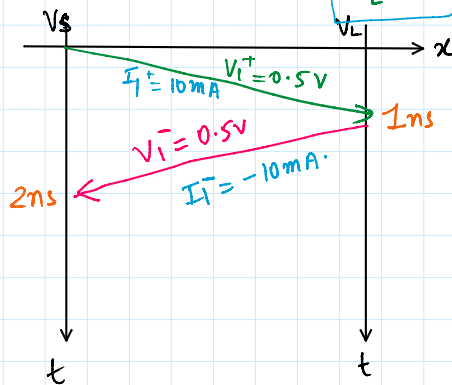
Example 4:



$$\Gamma_L = \frac{R_L - Z_0}{R_L + Z_0} = \frac{1 - Z_0/R_L}{1 + Z_0/R_L}$$

Limit $R_L \rightarrow \infty \frac{1 - Z_0/R_L}{1 + Z_0/R_L} = 1$

$$\Gamma_L = \frac{V^-}{V^+} \quad V^- = \Gamma_L \cdot V^+$$



Reflections at the junction of transmission lines.

