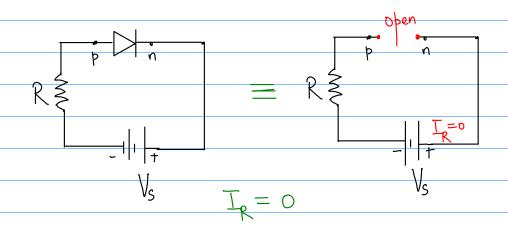
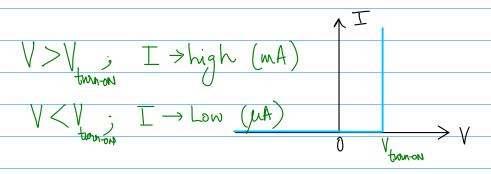
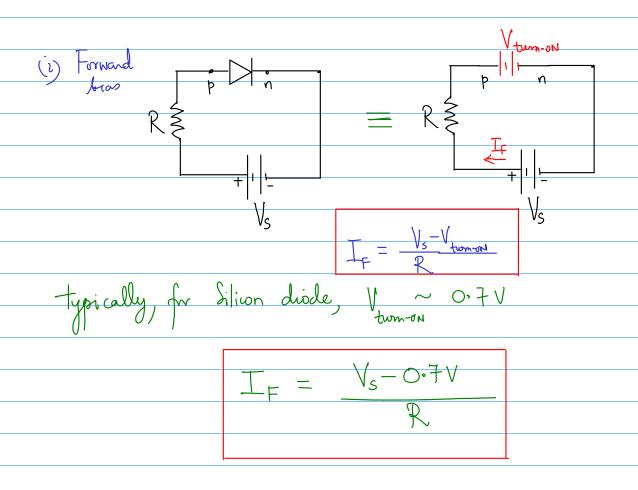


(ù) Reverse-lias:



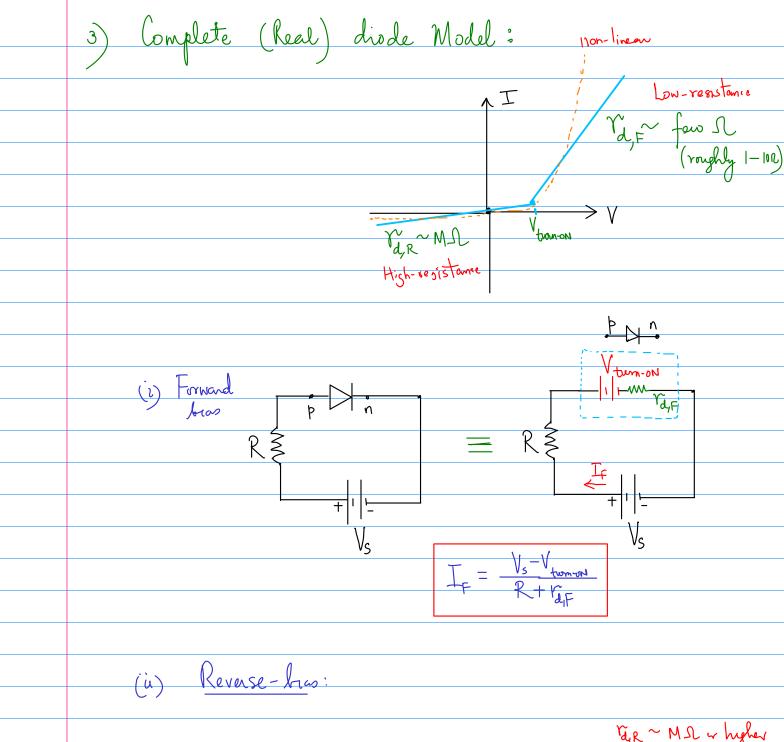
b) Modified Ideal Diode Model (Practical Model):

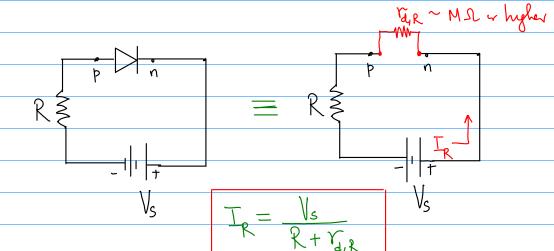


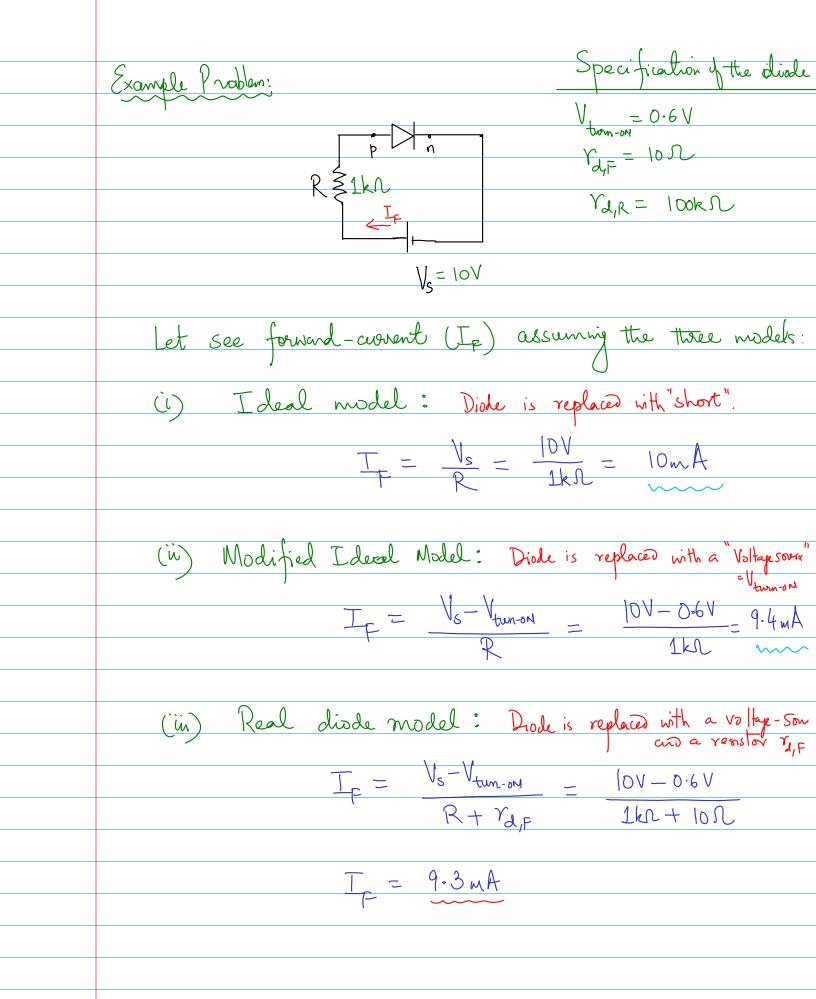


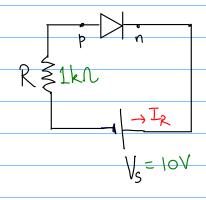
(a) Reverse-has:

$$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \end{array} \end{array} \end{array} \end{array} \begin{array}{c} \begin{array}{c} \\ \\ \end{array} \end{array} \begin{array}{c} \\ \end{array} \begin{array}{c} \\ \\ \end{array} \end{array} \begin{array}{c} \\ \\ \\ \end{array} \begin{array}{c} \\ \\ \\ \end{array} \begin{array}{c} \\ \\ \\ \end{array} \begin{array}{c} \\ \\ \end{array} \begin{array}{c} \\ \\ \\ \end{array} \begin{array}{c} \\ \\ \\ \end{array}$$









(iii) Real Model:
$$I_R = \frac{V_s}{R + V_{d,R}} = \frac{10V}{1 k l + 100 k l}$$

with a resistor

 $V_{d,R}$
 $I_R = 100 \mu A$