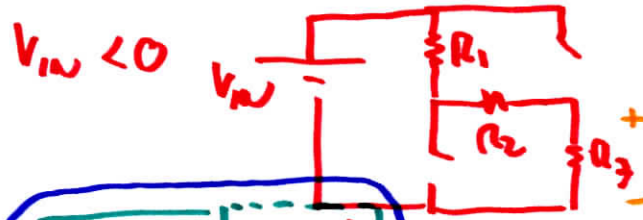
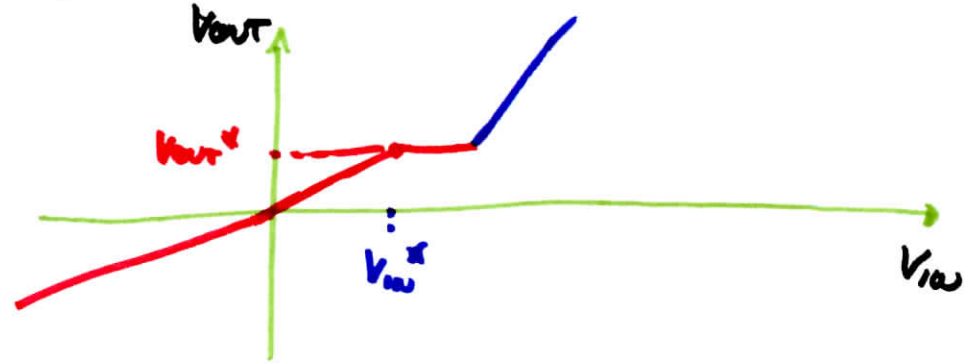
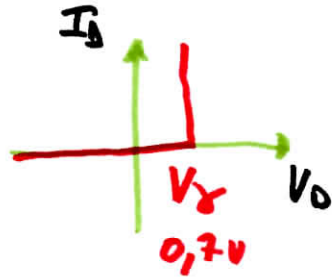


$R_1 = 1k\Omega$ $R_2 = 2k\Omega$ $R_3 = 3k\Omega$

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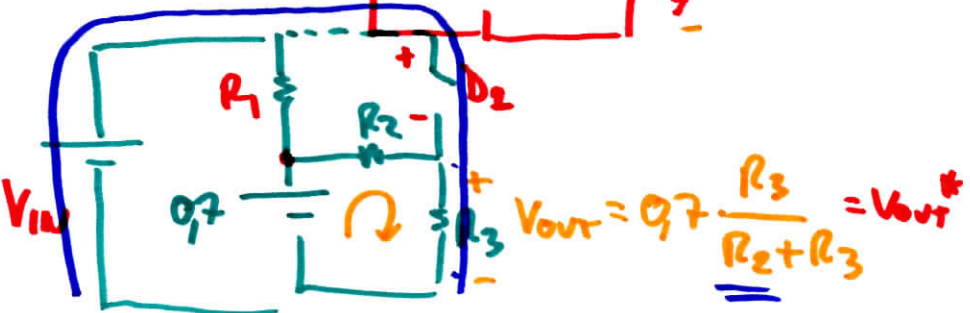


$I = \frac{V_{out}}{R_3}$
 $V_{out} = V_{in} \frac{R_3}{R_1 + R_2 + R_3}$
 $y = x \text{ m}$

$V_{D2} = V_{R1} + V_{R2} = I (R_1 + R_2)$

$V_{D1} = V_{R2} + V_{R3} = I (R_2 + R_3) = \underline{0.7}$

$I = \frac{V_{in}}{R_1 + R_2 + R_3} (R_2 + R_3) = 0.7 \Rightarrow V_{in}^*$



$V_{in} - V_{D2} - V_{out}^* = 0 \Rightarrow V_{in}^{**}$

$V_{in} = 1.4 - V_{R2}$

