

$$I_{eq} = I_2 + I_3$$

$$= 1.935 + 1.82 = 3.753 \text{ mA}$$

③ construct ~~The~~ Norton circuit

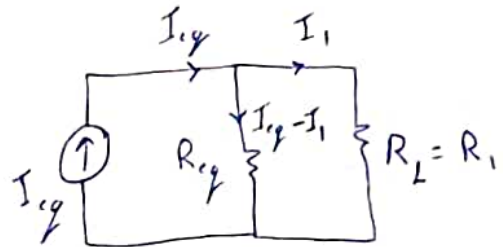
م. الفرع  $(R_1)$  = الحجم قبل التفرع

$$I_1 R_1 = I_{eq} (R_1 \parallel R_{eq})$$

$$I_1 R_1 = I_{eq} \left( \frac{R_1 R_{eq}}{R_1 + R_{eq}} \right)$$

$$I_1 = \frac{3.753}{1} \left( \frac{1 \times 2.15}{1 + 2.15} \right)$$

$$= 2.56 \text{ mA}$$



Find  $I_2, I_3$  using Norton Technique!!