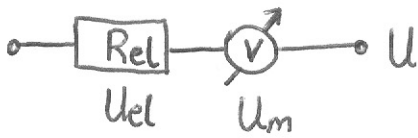


14.) $U_m = 50 \text{ mV}$ $R_b = 20 \text{ k}\Omega$ $U = 100 \text{ V}$ $R_{el} = ?$ | $U_s = 30 \text{ mV}$ $U_v = ?$



soros:

$$R_e = R_1 + R_2$$

$$U = U_1 + U_2$$

$$I = \frac{U}{R_e}$$

$$U = U_{el} + U_m$$

$$U_m = I R_b \rightarrow I$$

$$I = \frac{U}{R_{el} + R_b}$$

$$I (R_{el} + R_b) = U$$

↓

$$\underline{\underline{R_{el}}}$$

$$\left. \begin{array}{l} U_m \leftrightarrow U \\ U_s \leftrightarrow U_v \end{array} \right\} U_v = \frac{U}{U_m} U_s = \dots$$