

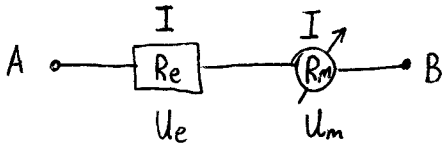
5.)

$$U_h = n U_m \quad R_e = 27 \Omega$$

$$I_h = n I_m \quad R_s = 3 \Omega$$

$$R_m = ? \quad n = ?$$

$$U = IR$$



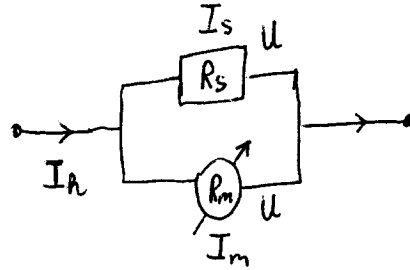
$$U_{AB} = U_h = U_e + U_m$$

$$n U_m = U_e + U_m$$

$$(n-1) U_m = U_e$$

$$\bullet (n-1) I R_m = I R_e$$

$$\underline{\underline{n}}, \underline{\underline{R_m}}$$



$$I_h = I_s + I_m$$

$$n I_m = I_s + I_m$$

$$(n-1) I_m = I_s$$

$$\bullet (n-1) \frac{U}{R_m} = \frac{U}{R_s}$$

