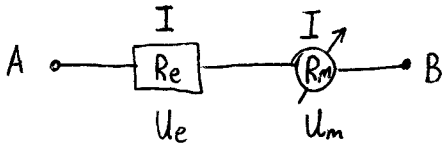


17.)  $U_h = n U_m$      $R_e = 27 \Omega$   
 $I_h = n I_m$      $R_s = 3 \Omega$

$R_m = ?$      $n = ?$

$U = IR$

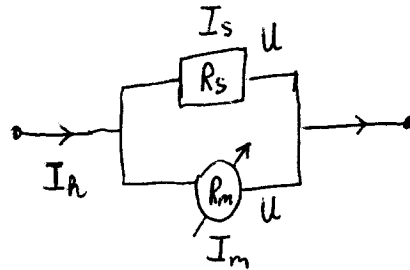


$U_{AB} = U_h = U_e + U_m$

$n U_m = U_e + U_m$

$(n-1) U_m = U_e$

•  $(n-1) I R_m = I R_e$



$I_h = I_s + I_m$

$n I_m = I_s + I_m$

$(n-1) I_m = I_s$

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

n, R\_m