

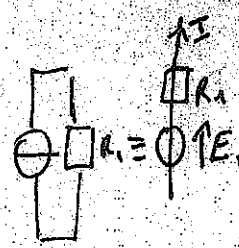
for D_1 :

$$I_c = 2A \quad R_1 = 4\Omega$$

$$E_1 = 8V$$

$$U_{AB} = E_1 - R_1 I$$

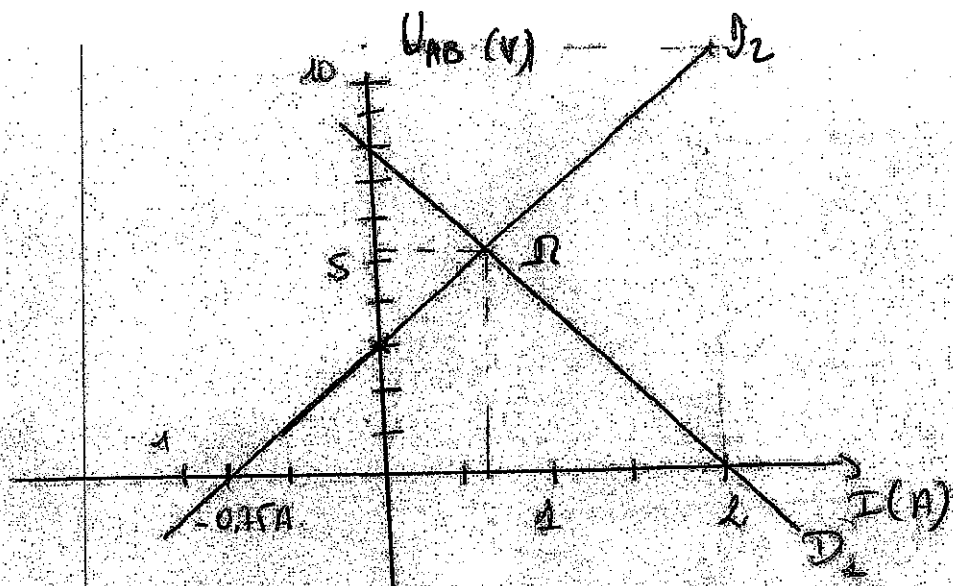
for D_2



then $\frac{8 - 4I}{4}$

$$E_2 = 3V \quad R_2 = 4\Omega$$

$$U_{AB} = E_2 + R_2 I$$



$$E_1 - R_1 I = E_2 + R_2 I$$

$$I = \frac{E_1 - E_2}{R_1 + R_2} = \frac{8 - 3}{4 + 4} = \frac{5}{8} = 0,625A$$

$$U_{AB} = E_2 + R_2 I = 3 + 2,5 = 5,125V$$