

(8)

(15)

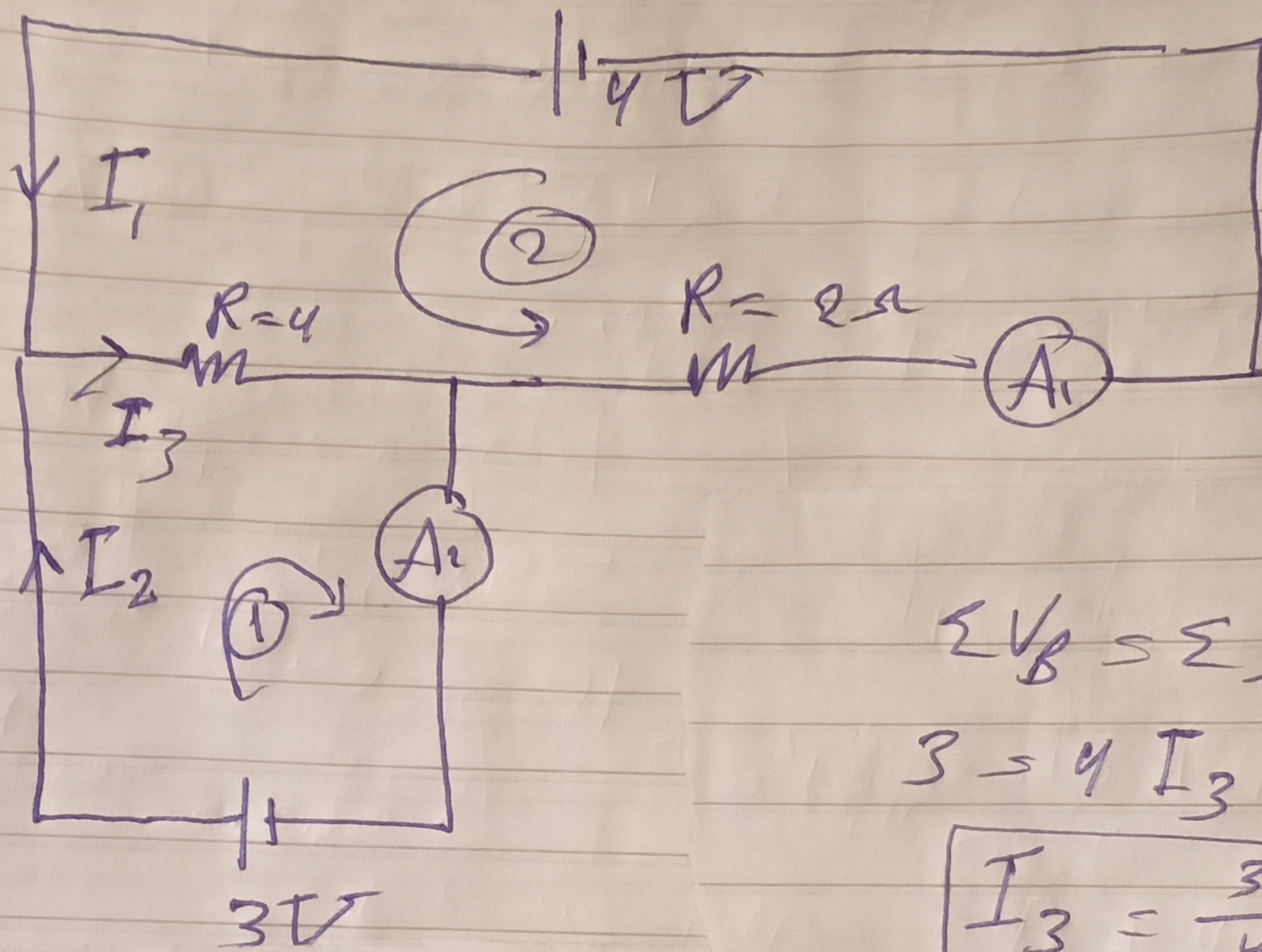
~~$\frac{\Delta I}{\Delta t} = 20 \text{ A/s}$, $V = 5 \text{ V}$~~ المسألة

نتيجة

$$\text{emf} = -L \frac{\Delta I}{\Delta t}$$

$$L = \frac{5}{20} = 0.25 \text{ H}$$

(17)



$$\sum V_B = \sum I R$$

$$3 = 4 I_3$$

$$I_3 = \frac{3}{4} \text{ A}$$

$$\sum V_B = \sum I R$$

$$4 = 4 I_3 + 2 I_1$$

$$4 = 4 \times \frac{3}{4} + 2 I_1$$

$$I_1 = 0.5 \text{ A}$$

من قانون كيرشوف

$$I_1 + I_2 = I_3$$

$$I_2 = \frac{3}{4} - 0.5 = 0.25 \text{ A}$$

نتيجة