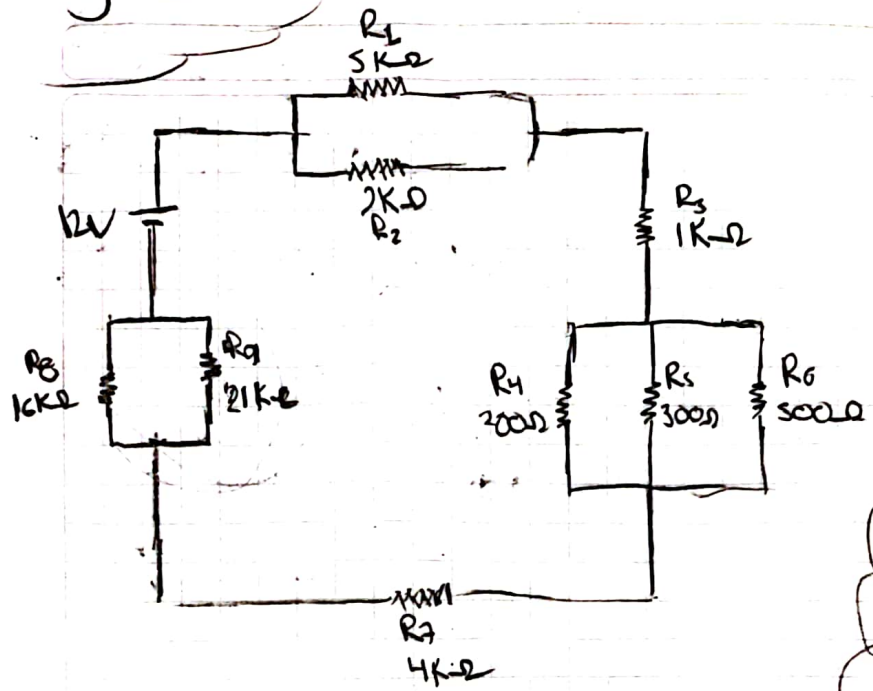
Ej 2.



$$Req_{T1} = \frac{1}{\frac{1}{5K\Omega} + \frac{1}{2K\Omega}}$$

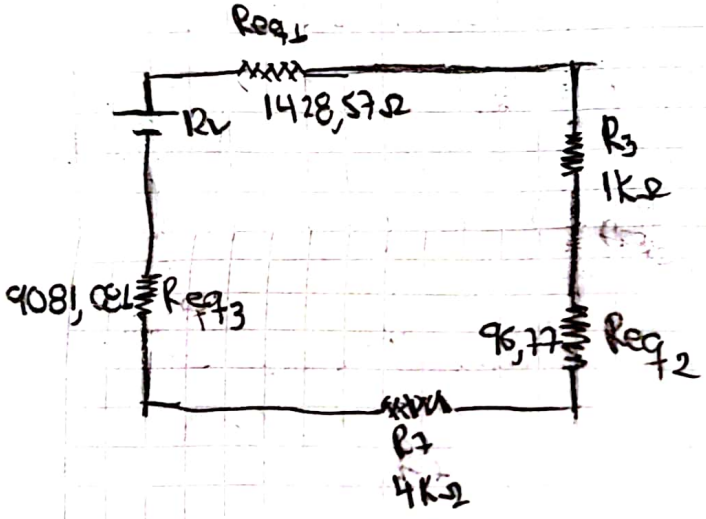
$$Req_{T1} = 1428,57\,\Omega$$

$$Req_{T2} = \frac{1}{\frac{1}{200} + \frac{1}{300} + \frac{1}{500}}$$

$$Req_{T2} = 96,77\,\Omega$$

$$Req_{T3} = \frac{1}{\frac{1}{16K} + \frac{1}{21K}}$$

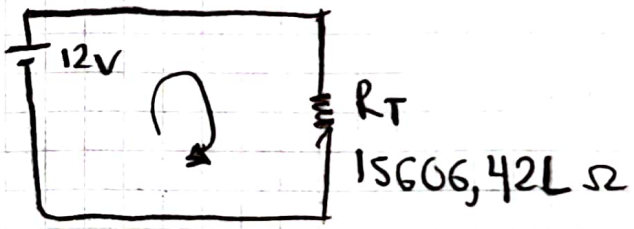
$$Req_{T3} = 9081,08\Omega$$



$$I_T = \frac{12V}{15606,42\Omega}$$

$$I_T = 0,0007689\,A$$

$$0,7689mA$$



$V_{Req_{T1}} = 0,7689mA \cdot 1428,57\Omega = 1,098V$

$V_{R3} = 0,7689mA \cdot 1000\Omega = 0,7689V$

$V_{Req_{T2}} = 0,7689mA \cdot 96,77\Omega = 0,0744V$

$V_{R7} = 0,7689mA \cdot 4K\Omega = 3,0756V$

$V_{Req_{T3}} = 0,7689mA \cdot 9081,08$

$V_{Req_{T3}} = 6,982V$

$I_{R_1} = \frac{1,098V}{5K\Omega} = 0,0002196A$

$I_{R_2} = \frac{1,098V}{2K\Omega} = 0,000549A$

$I_{R_3} = \frac{0,7689V}{1K\Omega} = 0,0007689A$

$I_{R_4} = \frac{0,07440V}{200\Omega} = 0,000372A$

$I_{R_5} = \frac{0,07440V}{300\Omega} = 0,000248A$

$I_{R_6} = \frac{0,07440V}{500} = 0,0001488A$

$I_{R_7} = \frac{3,0756V}{4000\Omega} = 0,0007689A$

$I_{R_8} = \frac{6,982V}{16K} = 0,0004363A$

$I_{R_9} = \frac{6,982V}{21K} = 0,000332A$

	R	V	I
1	5K	1,098V	0,2196mA
2	2K	1,098V	0,549mA
3	1K	0,7689V	0,7689mA
4	200	0,07440V	0,372mA
5	300	0,07440V	0,248mA
6	500	0,07440V	0,1488mA
7	4K	3,0756V	0,7689mA
8	16K	6,982V	0,4363mA
9	21K	6,982V	0,3324mA