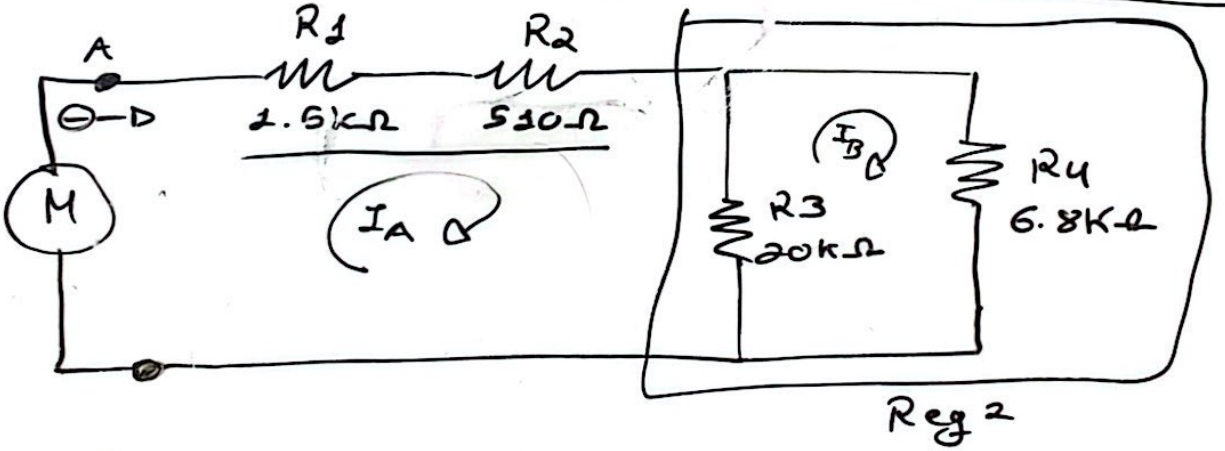
Resistência	cores (esq → Direita)	Teórica		Ω medida
		Ω	%	
510 Ω	Amarelo, Roxo, verm., dourado	510Ω	5%	0.465 Ω
1500 Ω	castanho, verde, vermelho, dourado	1.5kΩ	5%	1.486Ω
6800 Ω	Azul, cinzento, verm., dourado	6.8kΩ	5%	6.69Ω
20000 Ω	vermelho, preto, preto, vermelho, castanho.	20kΩ	1%	19.98Ω



$$Req_1 = R_1 + R_2$$

$$= 1.5K + 510$$

$$= 2010\Omega$$

$$Req_2 = R_3 // R_4$$

$$= \left(\frac{1}{20K} + \frac{1}{6.8K}\right)^{-1}$$

$$= 5081.63\ \Omega$$

$$R_{AB} = Req_1 + Req_2$$

$$= 2010 + 5081.\Omega = 7091.63\ \Omega$$

R_{AB} : 7091.63 Ω

R_{AB} medido : 7K Ω

RP4

$V_{im} = 3.529$

$V_{R1} = 0.747$

$V_{R2} = 0.232$

$V_{R3} = 2.528$

$V_{R4} = 2.528$

$V_{AB} = 2.765$

$V_{BA} = 2.763$

RP5

Em paralelo ter V.

Em série ter Am

$I_{R1} = 0.49 / 0.5$

$I_{R2} = 0.49 / 0.5$

$I_{R3} = 0.12$

$I_{R4} = 0.37$

$V_{R1} = 0.747$	$I_{R1} = 0.49$
$V_{R2} = 0.232$	$I_{R2} = 0.49$
$V_{R3} = 2528$	$I_{R3} = 0.12$
$V_{R4} = 2,528$	$I_{R4} = 0.37$

$$R_1 = \frac{0.747}{0.49} = 1,5245$$

$$R_2 = \frac{0.232}{0.49} = 0.4735$$

$$R_3 = \frac{2.528}{0.12} = 21,0667$$

$$R_4 = \frac{2.528}{0.37} = 6,8324$$

RP6

$V_{R1} = 0.747$

$V_{R2} = 0.232$

$V_{R3} = 2.528$

$V_{R4} = 2,528$

$I_{R1} = 0.49$

$I_{R2} = 0.49$

$I_{R3} = 0.12$

$I_{R4} = 0.37$

$R_1 = \frac{0.747}{0.49} = 1,5245$ — 1.486Ω

$R_2 = \frac{0.232}{0.49} = 0.4735$ — 0.465Ω

$R_3 = \frac{2.528}{0.12} = 21,0667$ — 19.98Ω

$R_4 = \frac{2.528}{0.37} = 6,8324$ — 6.69Ω

RP7

$\frac{}{0.12} = 21,0667$ | 19.98Ω

$R_4 = \frac{2.528}{0.37} = 6,8324$ | 6.69 Ω

RP7

$P_{R1} = \frac{0.747^2}{0.49} = 1.139$

$P_{R2} = (0.1137 / 0.1137 | (0.232)^2 / 0.4725$

$P_{R3} = 2.528 \times 0.12 = 0.3034$

$P_{R4} = 0.9354$