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a) $R = \frac{V_f - V_{led}}{I_{led}} = \frac{5-2}{0,01} = 300\Omega$

LARANJA PRETO MARROM
3 0 x 10

b) foi usado $R = 330\Omega$

LARANJA LARANJA MARROM
3 3 x10

c) $R = 1,12V$

$V_{led} = 1,86\,V$

$V_f = 2,99\,V$

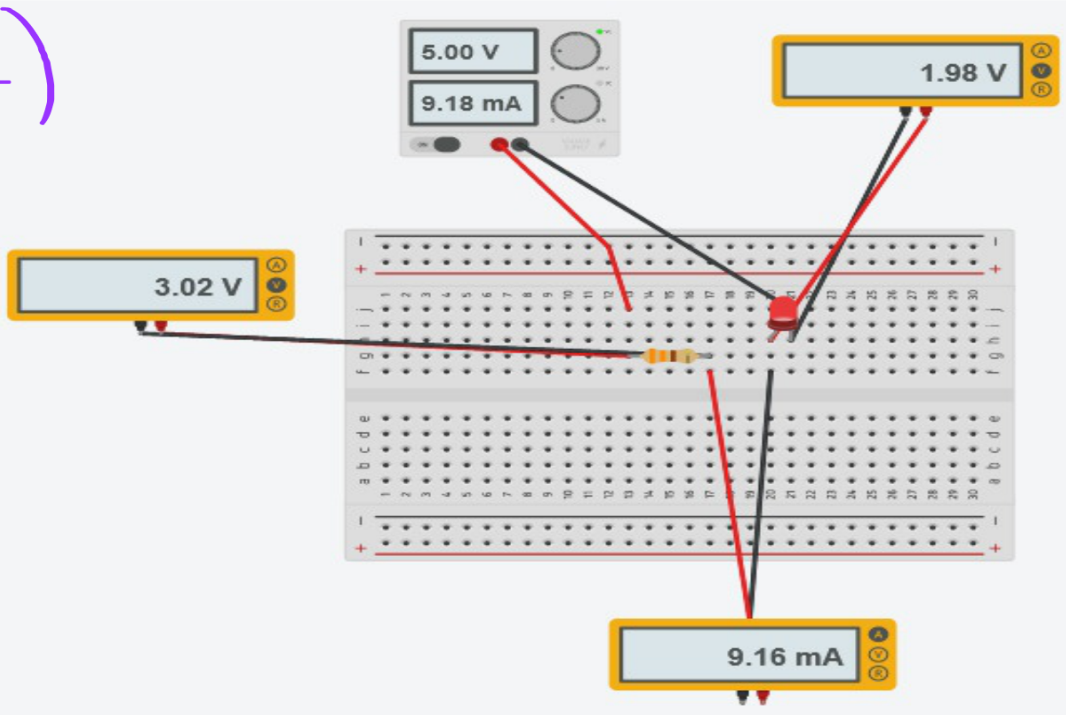
d) $1,12 = \dfrac{2,99 - 1,86}{I_{led}}$

$I_{led} \cdot 1,12 = 1,13$

$I_{led} = 1,00892857\,A$

e) $V_{resistor} = 3.02V$

$V_{led} = 1.98V$

$I_{led} = 9.16mA$

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