

data

S T Q Q S S D

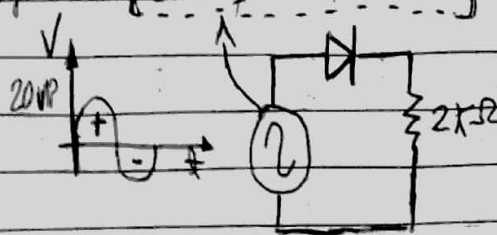
EVERYCIRCUIT

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Titulo: Guillelmo Augusto S. de A.

AMPLITUDE: 20V

FREQUENCIA: 60Hz



$$V_{cc} = ?$$

$$I_{cc} = ?$$

Gráficos: V_d , V_r e i ?

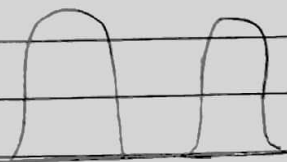
$$V_{cc} = \frac{V_P}{\pi} = \frac{20}{3,14} = 6,36V$$

$$I_{cc} = \frac{V_{cc}}{R_L} = \frac{6,36}{2K} = 3,19mA$$

Gráfico

I

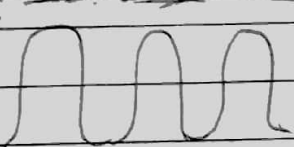
8mA
4mA
2mA
0A



Gráfico

V_r

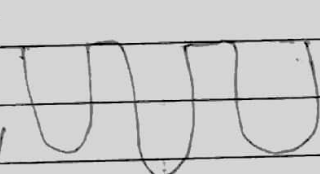
20V
10V
0V



Gráfico

V_d

0V
-10V
-20V



$$I_P = \frac{V_P}{R_L} = \frac{20}{2K} = 10mA$$

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$$1^\circ V_{cc} = ?$$

$$I_{cc} = ?$$

$$V_{cc} = \frac{V_P}{\pi} = \frac{200}{3,14} = 63,69V$$

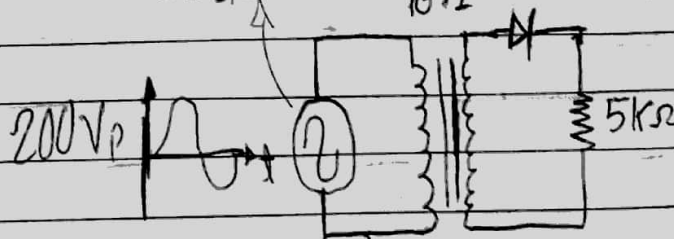
$$I_{cc} = \frac{V_{cc}}{R_L} = \frac{63,69}{5K} = 12,73mA$$

$$V_{P(sec)} = V_{msec} = \frac{1}{\sqrt{2}} = \frac{200}{1,414} = 141,42V$$

$$R_{MS(sec)} = \frac{R_{MS}}{\sqrt{2}} = \frac{1}{1,414} = 0,707V$$

AMPLITUDE: 200V

FREQUENCIA: 60Hz



$$R_{MS} = \frac{V}{\sqrt{2}} = \frac{200}{1,414} = 141,42V$$