P

C)
$$\frac{2\pi}{3} = \frac{2\pi}{3} \times \frac{0.07}{2\pi} \stackrel{?}{=} 6,67 \text{ ms}$$

 $\sqrt{2} = \sqrt{2} - \sqrt{3} \cdot 120 = 293,94$

$$\int_{\Delta V} \sqrt{\frac{1}{\pi}} \times \int_{0}^{T} \sqrt{\frac{1}{2}} \left(\frac{1}{2} \right) d\Theta + \int_{0}^{T} \sqrt{\frac{1}{2}} d\Theta + \int_{0}^{T} \sqrt{\frac{1}{$$

$$\frac{\sqrt{r_{ms}}}{\sqrt{r_{ms}}} = \sqrt{\frac{1}{17}} \times \sqrt{(\sqrt{r_{(0)}})^{2}} do , A = \sqrt{\frac{2}{3}} \cdot 120$$

$$= \sqrt{\frac{1}{17}} \times \sqrt{(\frac{1}{6} \cdot \sin(0 - \frac{1}{3}))^{2}} + \sqrt{(\frac{1}{6} \cdot \sin(0))^{2}} + \sqrt{(\frac{2}{3} \cdot \sin(0 - \frac{2}{3}))^{2}}$$

$$+ (\frac{1}{4} \cdot \sin(0 - \frac{1}{3}))^{2}$$

$$+ (\frac{1}{4} \cdot \sin(0 - \frac{1}{3}))^{2}$$

$$A = \frac{\sqrt{2120}}{500} = 0,339411 ; T = 21$$

$$L_{ev} = 3 \times + \times = 50 \text{ A. sin}(0) d0$$

$$= 0,28069$$

Numa das jases

$$I_{1}$$
 = $\frac{1}{\pi}$ $\int_{6}^{8\pi} A \cdot \sin(6) d6$
 $= \frac{I_{0}AF}{3} = 0,09356$
 I_{1} $\sin(6)$ $\int_{\pi}^{2\pi} \left(\frac{1}{4} \cdot \sin(6)\right)^{2} d6$

= 0,164739 f)

$$S_1 = V_{4 \text{ rms}} \times 11 \text{ rms}$$

$$= \sqrt{11} \times \sqrt{511} \times 120 \sin(0)^2 do \times 09164739$$

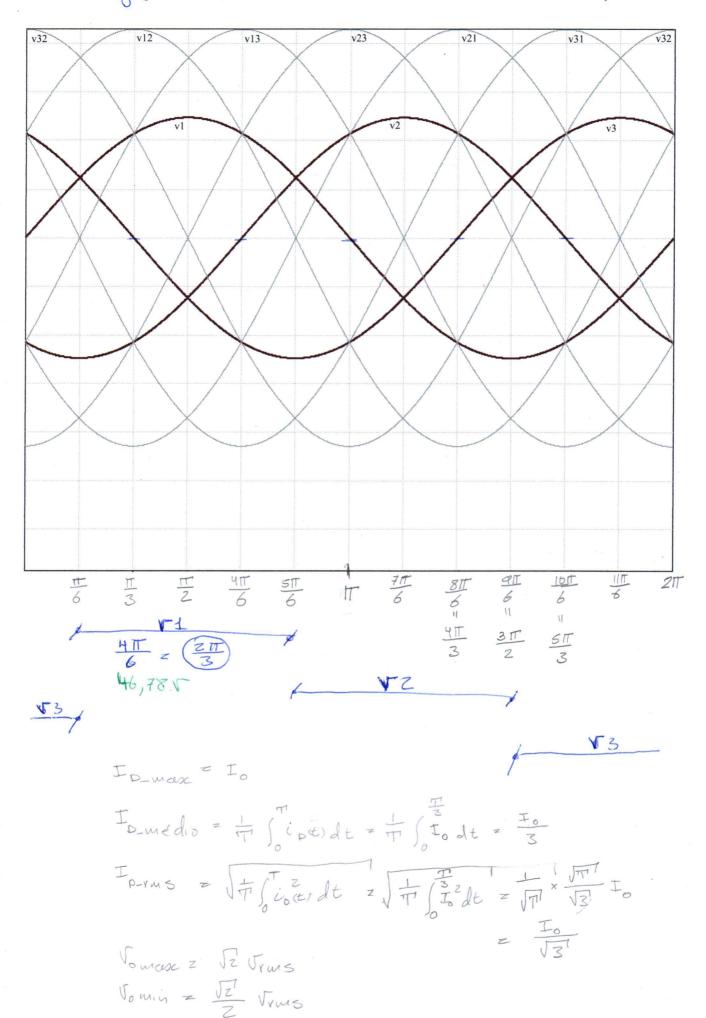
$$82,3698$$

= 120 × 0, 164739 = 19,768 [VA]

2

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regime permanente

$$I(6) = 0$$
 time Esect

 $0 0 0 0 0 = \frac{1}{6}$
 $2,978H 9,431.10^{-3}$
 $6,11201 0,019H$
 $9,2616 0,029H$

etc

tempo le condicto:

$$29784 \times 0.02 = 9948 \cdot 10 \text{ mas proxima}$$

$$217 \frac{217}{3} \times 0.02 = 6.67 \text{ ms}$$

$$\frac{2}{3} \times \frac{0.02}{217} = 6.67 \text{ ms}$$

tensão insusa maa :

j) considérands como carga industro
$$I_0 = \frac{\sqrt{med}}{R}$$

$$I_0 = I_0 \text{ med}$$

$$= \frac{140,3454}{500}$$

$$= 0,2807 [A]$$

avanto mais indition a carge a corrente torma-se quase constrente, nos existindo interopases na conducat do semicondutores.

$$I_{D-médio} = \frac{1}{\pi} \int_{0}^{\pi} L_{p(t)} dt = \frac{1}{\pi} \int_{0}^{\frac{\pi}{3}} J_{o} dt = \frac{1}{3}$$

$$FP_{S} = \frac{J_{o} \frac{3}{17} \sqrt{J_{rms} \sin(\frac{\pi}{3})}}{3 \sqrt{J_{rms}} \frac{J_{o}}{\sqrt{37}}} = \frac{J_{o}}{17} \sin(\frac{\pi}{3})$$

$$= 0,675$$