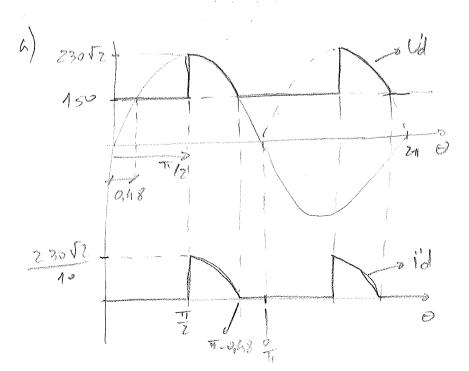
b)
$$V_{AN}^{\dagger} = \frac{2}{2\pi} / 23052 \times 900 d0$$

$$= \frac{23052}{10} \left[-\cos \theta \right] = \frac{103.5}{2} \times \frac{103.5}{10} = \frac{103.5}{10} \times \frac{103.5}$$

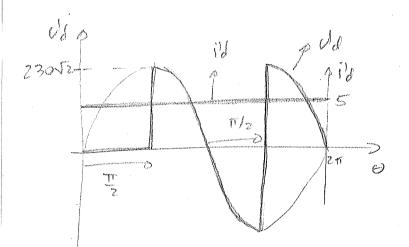
d= 90°



b)
$$U_{AV} = \frac{2}{2\pi} \int_{230\sqrt{2}} 4v \cdot \theta d\theta$$

 $+ \frac{2}{2\pi} \int_{0}^{230\sqrt{2}} 4v \cdot \theta d\theta$
 $+ \frac{2}{2\pi} \int_{0}^{1} 150 d\theta$
 $= 189.7 V$
 $id_{AV} = \frac{189.7 - 150}{10} = 3,97A$

$$\frac{1}{2} \int_{0}^{\infty} \int_{0}^{\infty} \frac{1}{2\pi i} \left(\frac{230\sqrt{2} \times 100 - 150}{10} \right)^{2} do = \frac{1}{2}, \frac{1}{10} A$$

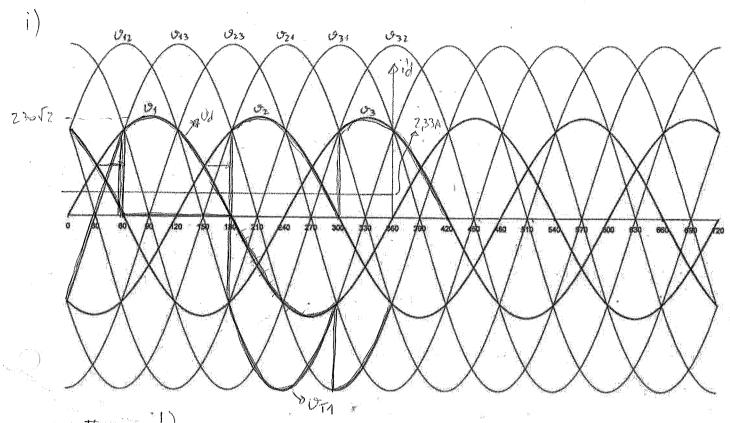


b)
$$V'do = Vdo \cdot Cosd$$

$$d = \frac{1}{2} \Rightarrow V'do = oV$$

$$i'dAV = \frac{U'do - E}{R} = \frac{O + 50}{10}$$

$$= 5A$$



$$d = \frac{\pi}{6}$$
 b) $V_{0} = \frac{3\sqrt{2230}}{5} = \frac{\pi}{3} = \frac{233}{6} = \frac{233}{5} = \frac{233}{6} =$

$$FP = \frac{P}{S} = \frac{542,9}{928,2} = 0.585$$

 $d = \frac{\pi}{3}$ Condução continua? $\phi = anctg\left(\frac{WL}{R}\right) = 0.3 \text{ pod}$

 $R = 100 \Omega$ L = 0.1 H P3 $d' = 2 + \frac{\pi}{6}$ $\left[\frac{7}{2} (-\sqrt{R^2 + (w_L)^2} - 104.8 \Omega\right]$

id (0) = 230 52 [Xr(0+#,+#-0,3) - Ser(#+#-0,3) e]

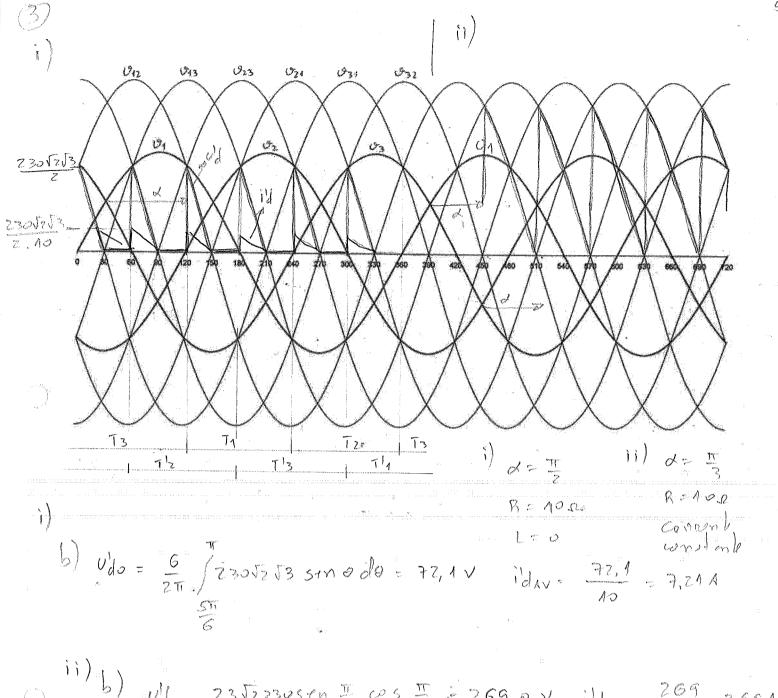
id(0) = 0 = 0 = 1.87 pad = 107° 2 120° = 6 condução Liscontinua

b) Vdo = 3 / 23057 8170 do = 148,3 V idmodio = 148,3 V idmodio = 1,48 A

c) i'dnms = $\sqrt{\frac{3}{2\pi}} \int 1'd(\theta)^2 d\theta = 1,73 A P = 100 + 1,73^2 = 299,3 W$

d) is $z = \sqrt{\frac{1}{2\pi}} \int_{0}^{1/87} (1)^{2} d\theta = 1,0 A$ $5 = 3.230 \times 1$ = 690 VA

 $FP = \frac{P}{S} = \frac{299.3}{690} = 0,434$

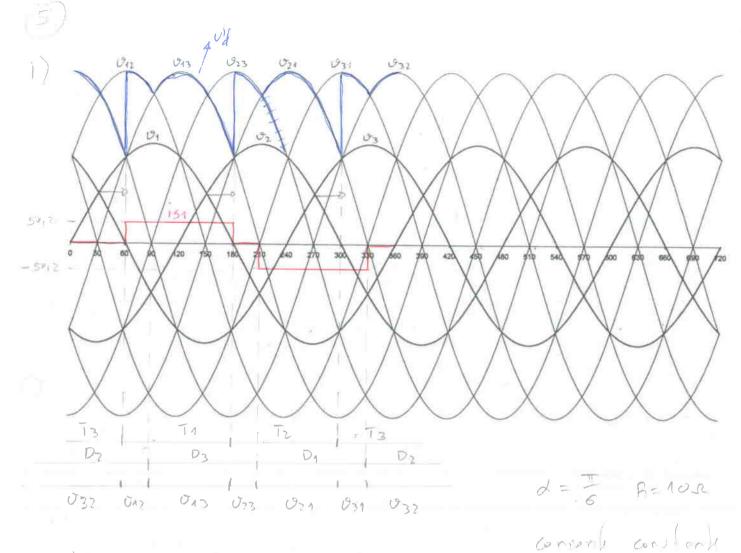


iii) iqual a i)

d= \frac{1}{3} R=101 E=50V

On=-07=230 \(\text{Tz} \) \(\text{ADD \(\text{Tt} \)} \)

annumber \(\text{annumber \(\text{ADD \(\text{Tt} \)} \)



(i)
$$\frac{1}{4}$$
 $\frac{1}{4}$ $\frac{502}{10}$ $\frac{3}{10}$ $\frac{7}{10}$ $\frac{7}{$

()
$$154AV = 0A$$
 $13API = \sqrt{\frac{2}{2\pi}} \int 50, 2^{2} d^{2} = \sqrt{2} \cdot \frac{50, 2}{\sqrt{3}} = 41, 0 A$