Son Hexaplana n=35:8= 4375 = 43 CD=600 uH = 10% Lr = 100 MH = 10% - Lrnax = 110 MF Input voltage = 400 Vac Output Current = 3.1 A & 148.8W=Pout Output voltage - 48U-Holdup Time require ment = 20 ms (50 Hz line frog) DC Link Capacitor = 220 MF Vin = 1002 - 2=15467,20x1 Mnin = 1.1066 Lp= M.Lr Pin= Pout Eff - 0.96 Vin = 363.276 V 600UF = M x 110UF Vin = LOOU m = 5.45455  $Pin = \frac{108.8}{0.95} = 156.167$ Psnin\_856th MMay = 400 × 1.1060 = 1.22 Rac = 251-9 1 Npmin 4.48(48x2x0,7)

2xfmin x 1.1060x0.7x373x3  $N = \frac{1000}{2(48.20.7)} \times 1.000 = 4.48$ AN-4151'd 2 yok linder 2 digot kullanigo Npmin = 30.3 \_ Np= 4.48 x 7=31.36 \_ 6.48x8=35.84 MP=n.Ns -NS=8 35:8 olarak girildi frezonant=110kHz - Cr = (2πx110x(33)2x110x136= 19.03 AF Mnax = 1.22 0/20 Norsin  $\Rightarrow Q = \frac{1}{2 \times \pi_{\times} 110 \times 10^{3} \times 251.9 \times 19.03 \times 15.9} = 0.302$ Lp=Lm+Llep LIEP = N2 LES 66000=360000-600 cm=lm2+ 600 cm Lr= luxp+lm//luxp Lm2=2 94 000 -> Lm = 542.2177 600 MH-542.2177 MH= 57.78 MH= LIEP 600mH= LM+LEP LIKP=600MH-LM LLES- 2-879 MH Lr = Lup + Lmxlkp 110 MF = 600 MH-Lm + Lmx (600 MH-Lm)

\* 
$$I_{cr} = \frac{1}{0.96} \sqrt{\frac{\pi \times 3.1}{2\sqrt{2} \times 0.48}} + \frac{0.48(48 + 2 \times 0.7)}{4\sqrt{2} \times 110 \times 10^{3} \times 1.1066(500) \times 1.56}}$$

$$I_{cr} = 1.044A$$

$$I_{cr} = \sqrt{2} \times I_{cr} = 1.476A$$

$$*V_{cr}^{nom} = \frac{uoo}{2} + \frac{\sqrt{2} \times 1.000}{2 \times \pi \times 100 \times 10^{3} \times 18.03 \times 10^{9}} = 312.255V$$

$$= \int_{co}^{Lm} \int_{co}^{\infty} = \sqrt{\left(\frac{\pi \times 3.1}{2.5}\right)^2 - 3.1^2} = 1.5 \text{ A}$$

+ 
$$\int_{-250}^{250} \left( \frac{5.2 \text{ kn}}{2 \text{ min}} + \frac{5.1 \text{ kn}}{2.00 \text{ kHz}} + 4.0 \text{ kHz} = 1.00 \text{ kHz} = 1.0$$

Rss = 3.466ks

\* fsorse\_0.2 n

\* Rc = Ikn

· Cc = 1000 F

180L & RIL 68x R2 = 2.5V

$$-> 0.155 = \frac{R_5 \times 2.5}{2u - R_5} - \frac{R_5 = 1 \times N}{2u - R_5} - \frac{R_5 = 1 \times N}{2u - 1.13 \times N} + \frac{10 \times N}{2u - 1.13 \times N}$$

