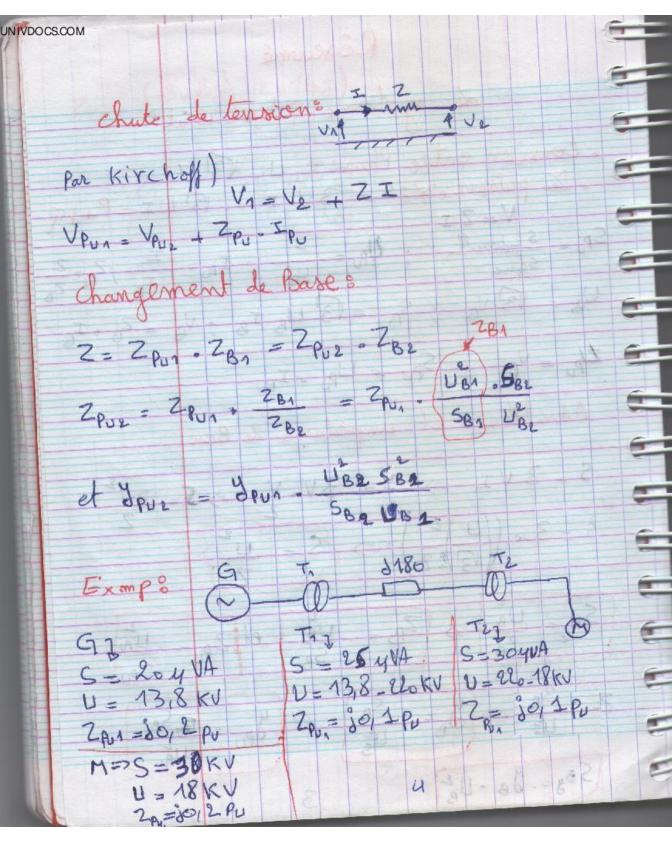
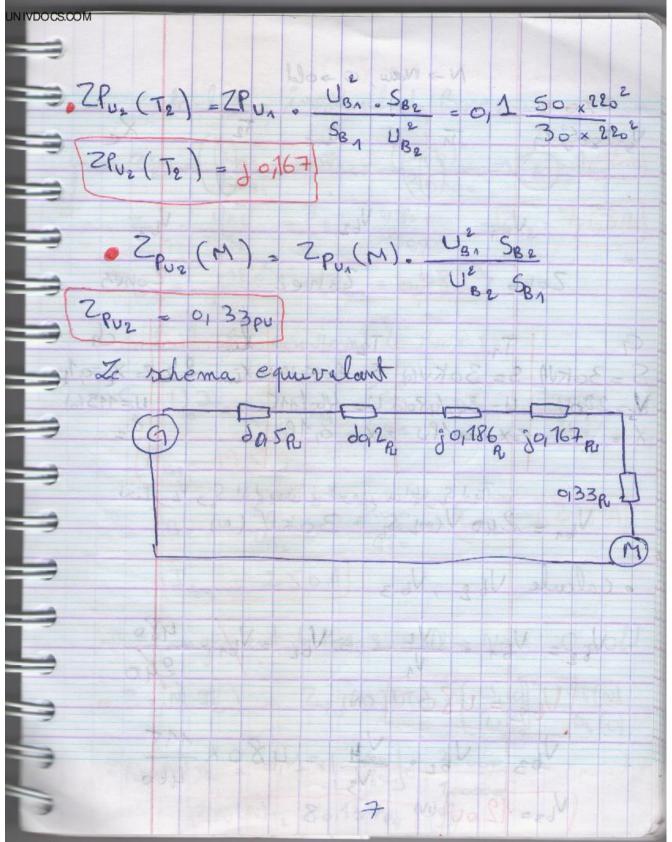
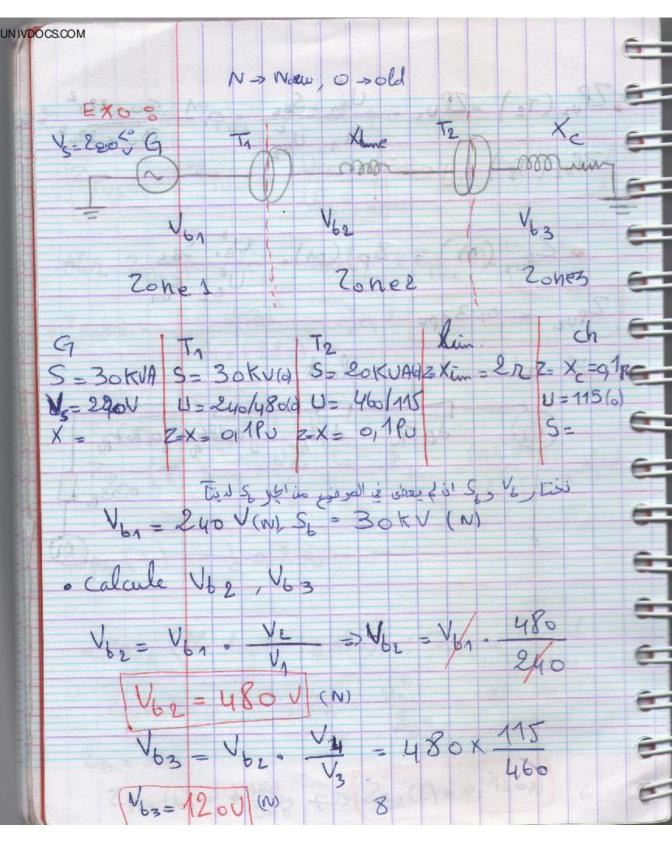
Résermé Le système "Per unit" tension entre Phase 8 U = 13 V Zu puissance 36: S = 3 V. I = 13 UI = P+19 $SP_{U} = \frac{Sactonall}{Sease}; \quad VP_{U} = \frac{U}{U_{B}}; \quad IP_{U} = \frac{I}{I_{B}}; \quad ZP_{U} = \frac{Z}{Z_{B}}$ $U_{B} = \sqrt{3} V_{B}; \quad S_{B} = \sqrt{3} U_{B} I_{B}; \quad V_{B} = Z_{B}; \quad I_{B}$ ZIPU = PD ; SPU = LIPU . IPU Admitance et impédance de Base S = 3 VI => S = 3 V. V => 5 = 3 V $S = 3 \times \left(\frac{|U|^2}{\sqrt{3}} \right) = S = \frac{|U|^2}{Z}$ SB= UB => ZB = UB et ZPU = UPU SAU Z = 1 => y = SB Et ypu = Spu SBy = 78 - UB



arcc S66 = S6 (T) = S6(T) = 50 KVA et VB1 = 13,8 KV diveré la schema on 2180 Zonn 1 - calcol Vb2 , Vb3 3 V62 = V61 · V2 V6e = 1318. 220 1318 (V62 = 220 KV) e V_{b3} = V_{b2} · V₃ = 290 · 18 280 Vb3 = 18KV 220KH=V3 bV4 = 18KV Spor (1) = 6000 5 = 600 5 = (1) 309 5

UNIVDOCS.COM 2. calcular Zpuz de chaque ZPU2 = ZPU1 . UB1 SB2 Alor Zpur pour le Genirabeur & Zpu (G). UB1 SBE ${}^{2}P_{\nu_{2}}(r) = {}^{6}O_{\times}(13.8)^{2} \times j_{0}, 2$ ${}^{2}O_{\times}(13.8)^{2} \times j_{0}, 2$ (2PU2 (9) = jo, 5 PU) - Zρ_{U2} (T₁) = U_{B1} S_{B2} Z_{PU1} = (13,8) x So yo 1 U_{B2} S_{B2} (13.8)² x 25 (ZAV2 (Th) = 30,2 PU) · Zpuz (Za ligne (d 180)); Zpuz Zacteall = 0180; 28 = 100 220 K/ => (2puz (L) = 0, 186pu) 6 ZPUZ (L) = 8 180 368





· Calcul Tes inspidance de Base: $Z_{B1} = \frac{U_{B1}}{S_{B1}} \Rightarrow \frac{Z_{B1}}{S_{B1}} = \frac{(240)^{\frac{1}{2}}}{30000} \Rightarrow \frac{Z_{B1}}{Z_{B1}} = \frac{1}{192}$ ZB = UBi = ZB = 48° = ZB = 7,681 ZB3 = 30000 = (ZB3 = 0,4812) calcul les courant de Base ? S= UJIB => JB1 SB1 => JB1= 30000 (IB1= 195'A) IB2 = 5B 30000 = IB2 = 62,5 A) IB3 = 250A) changement de Base & N > Naw, 0 > old $Z_{R}(N)$ $\overline{T_{2}}$ = $Z_{R_{3}}(0)(T_{2}) \times \left[\begin{array}{c} U_{6}(0)^{2} & S_{6}(N) \\ U_{6}(N) & S_{6}(0) \end{array} \right]$ ZPU (N) T2 = 0/1 x [480] x 30000 Zpo(N) 72 = 0/13 Fpu (9)

UNIVDOCS.COM Zapartie 2 cine de transf(2) or 3. Zpv N(T2) = Zpv 6) Tex (115) x 30 K 120) 20K ZPU (N) TE = 0, 137 PU) - Zp_ω (line) = Z (old) Zb2 2 => (Zp. (line)=0,26) 2(011) = [1,87+00,417] 263 ~ Zp, (charge) · VS PU = VS = 220 VSPU = 0,916PB Ze schema équivalant: Zi=0,26pu 272=0,137pu 2=0,100 Zah = 1,77 6 +00,417 o Ih = Vspu d (Zeg) [(Zeq) =) (0, 1+0, 26+6, 137+1,87+6447)

