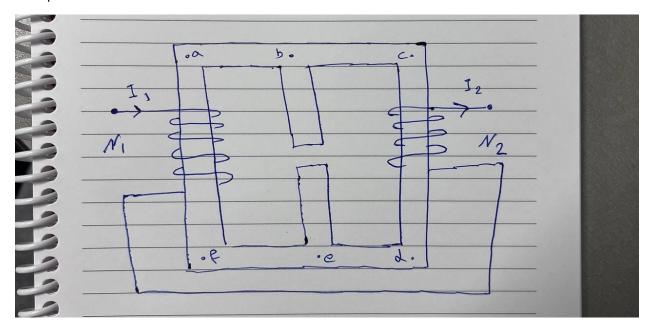
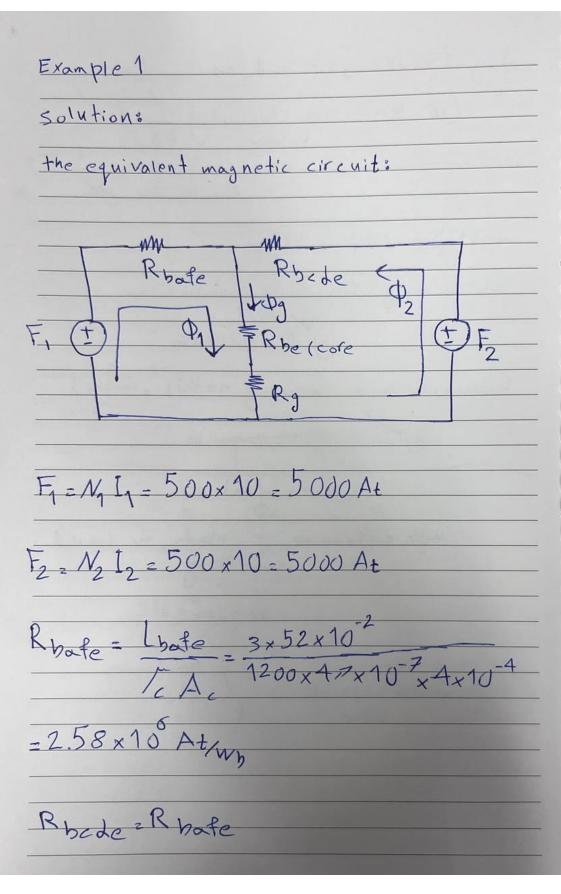
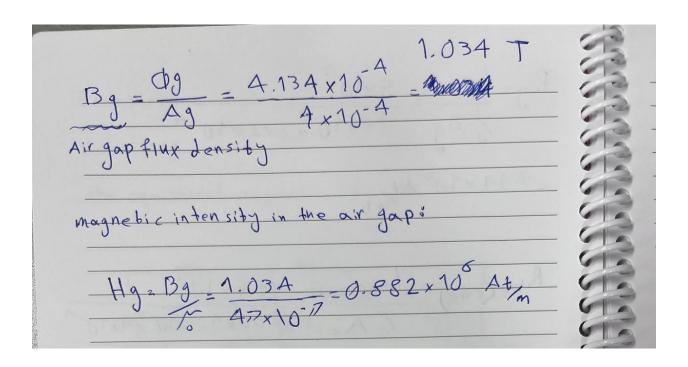
Example 1

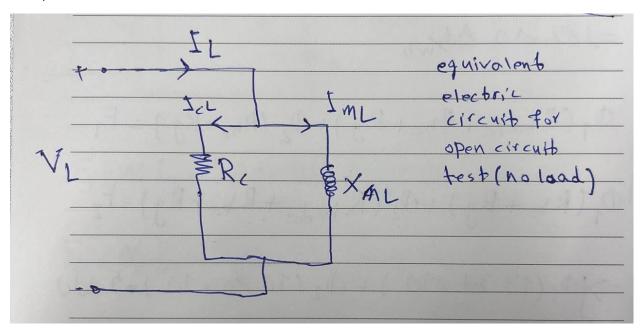




 $\frac{R_{g} = L_{g}}{\sqrt{6} A_{g}} = \frac{5 \times 10^{-3}}{4 \times 2 \times 2 \times 10^{-4}}$ =9.94×10 Atum Rhe(core)= =0.82 ×10 Atwh Of (Rhafe+Rhe+Rg)+O2 (Rhe+Rg)=F1 On (Rbe+Rg)+O2 (Rbide+Rbe+Rg)=F2 =>10, (13.34 × 10°) + 0, (10.76 × 10°)=5000 Φ1 (10.76×106)+Φ2(13.34×106),5000 => 012 02 = 2.067 x 10 Wh Dg = D1 + 02 = 4.134 x 10 4 Wb Air gap flux



Example 2



example 2 solutions VH (rated) = 2200, VL (rated)=2201 [H(rated) = 10,000 = 4.55 A IL(rated) = 10,000 = 45.5 A VH 1 x 2 V2 12 2 10 KVA a) P=V2/R=>R==2202 - 484 R open circuit I = 220 0.45 A =) Iml = V IL - Ich $=\sqrt{(2.5)^2 \cdot (0.45)^2} \cdot 2.46A$ Xm1-220 = 89.4 turn ratio = a = 2200 10 =) RCH = RCL x 2 a =484 x10² z 48,400 R XmH=89.4×102 28940 S

