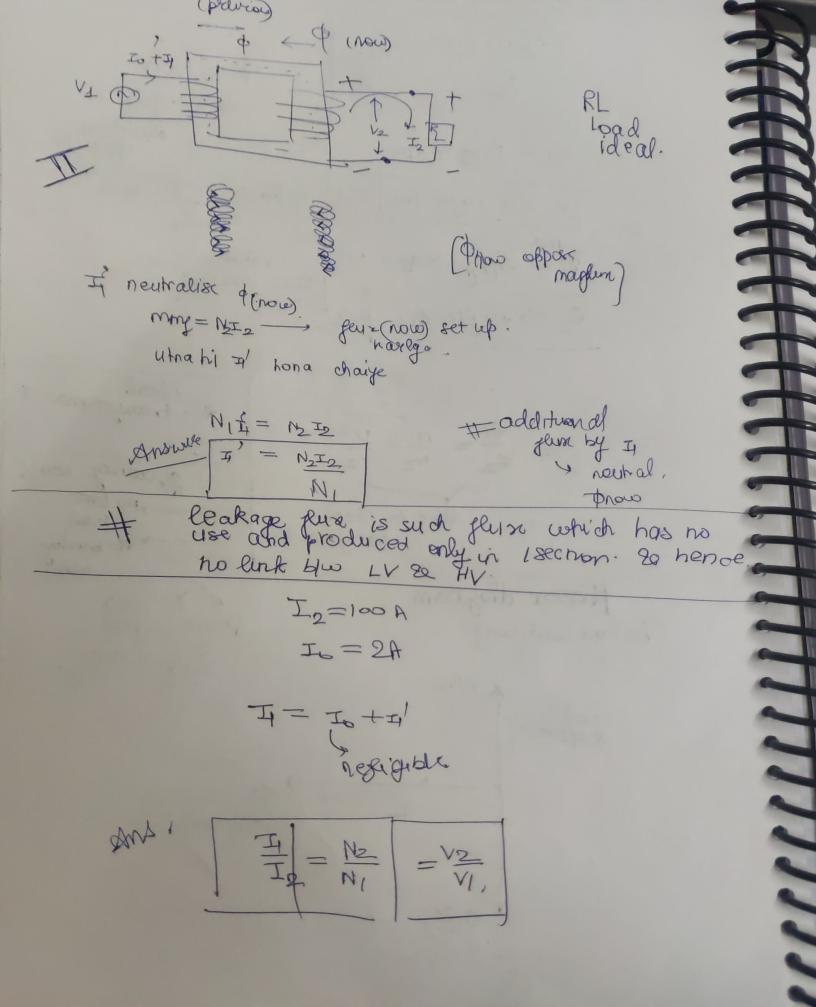
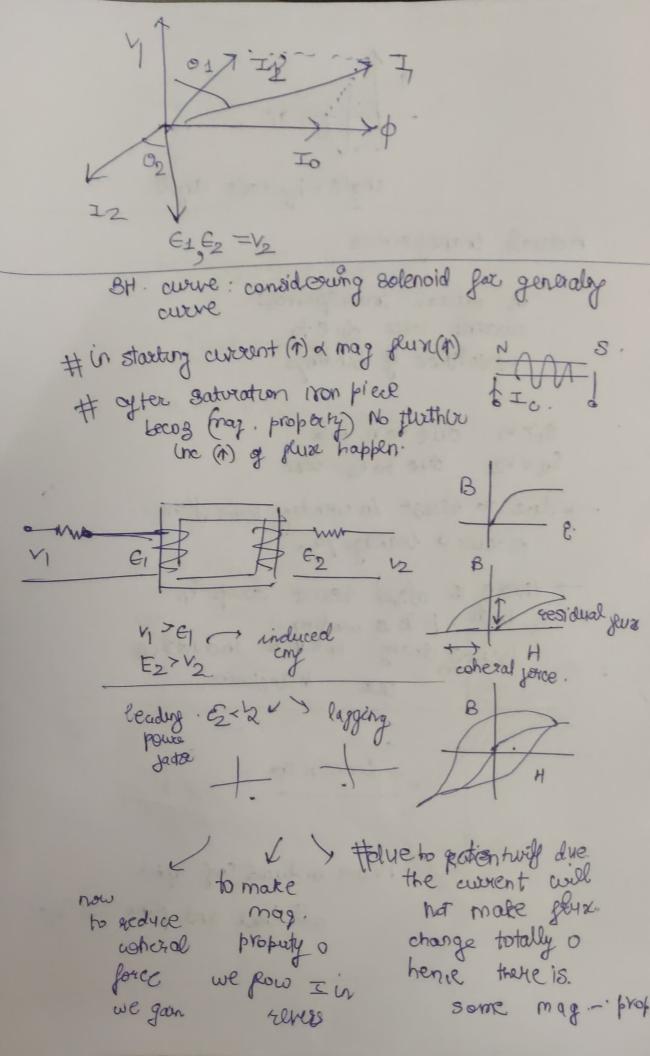
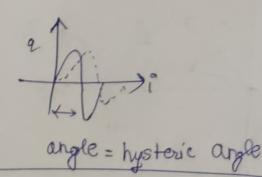


2 mg NI pm = Emon. # 10=0 SO (€1) 2(V1) opposite, EI = JERG NI AM (=1 =4.44 /N, om =V) Io = VI-61 =0, VI -> supply witage. 2% aurent = Io. E=4.44 fN2 pm = 1/2 ideal * transjourner * $\frac{1}{2} = \frac{N_1}{N_2} = \frac{V_1}{V_2}$ efficiency: 100% same prideal. transpremers. * No bindry phasor diagram (no load condition] [equal she]







Actual transformer.

in actual transformers current weeks due to 4esistance of bundings

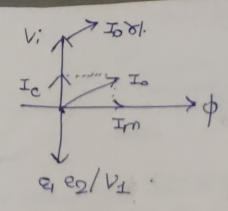
Ez < 12 due to 1 loss

-> due to resist in winding some flem occur -> leakage prin

there is also resist dues in both ples winding hence drawn enternal industrice

E COOT NIO

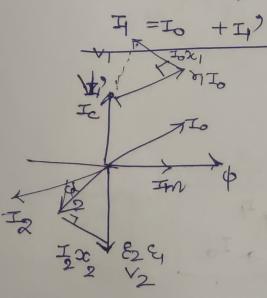
Now induced englyter all loss and func = Vi-

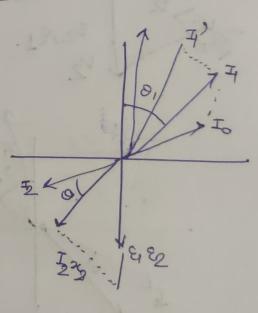


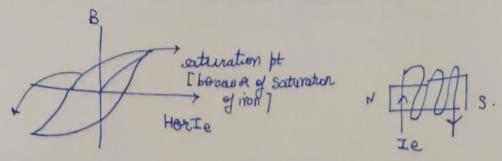
(used to setup the fluxe)

$$V_{\perp} = V_{i} + I_{0} \times_{i} + I_{0} \times_{1}$$
losses

Iz logs becoz of







when Ie is reduced [shape wont be straight due to relentually ie core still holds pluse even Ie=0

