Q1:- (a) Single phase transformer 220/400 V, 1 KVA, 50 HZ.
Draw the hysterisis output with settings & scaling.
And Draw the wiring diagram for it.

(b) If the voltage is halved. What is the effect of the curve?

Exp. 2 الرسمة في

Q2:- Draw the wiring diagram of polarity test
S_r = 50 MVA, ضغط عالي / ضغط واطي volt., 50 HZ. with all devices.
And show when it indicates addition and when it indicates subtraction

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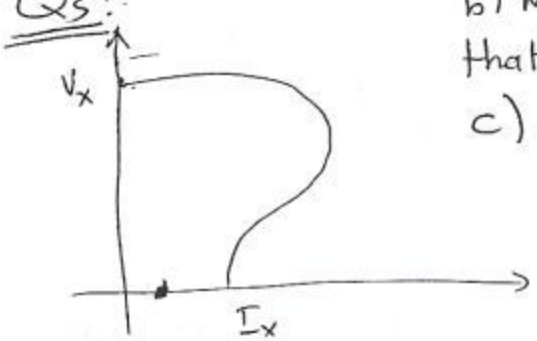
Q3:- Draw the wiring diagram of short circuit test as preferred S_r, ضغط عالي / ضغط واطي, 50 HZ.
LVS يعني
And show the equivalent ckt For this ckt.
& Show how we can obtain the parameters from this test By equations.
- What is the range of the short circuit voltage? $(3-8)V_{rated}$ %

Q4:- Is it possible to obtain a full load terminal voltage high than no-load terminal voltage for any D.C generator? Explain why?

Q4:- ~~Explain~~ State how to control the speed of motor and range of speed for each method & show the torque-speed characteristic for both cases.

Q5:



a) Mention the type of this Machine?
b) What is V_x and I_x and what are the parameters that effect on them?
c) Show the wiring diagram for the test that gives this figure?