(91) Soft Find (1) is (0°), is (0°)

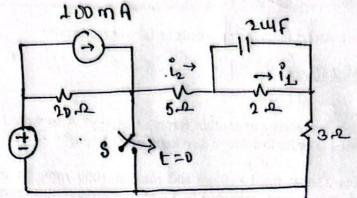
(1) (0+), so (0+)

(2) (0+)

(3) (0+)

(4) (0+)

(5) (0+)



Note +> The team used in the q' is 'sloitch' is closed out t=0 after being opened for long time; The significance of the statement is that capacitor has sufficient time to discharge or in other words it has enough time to reach D.c. steady

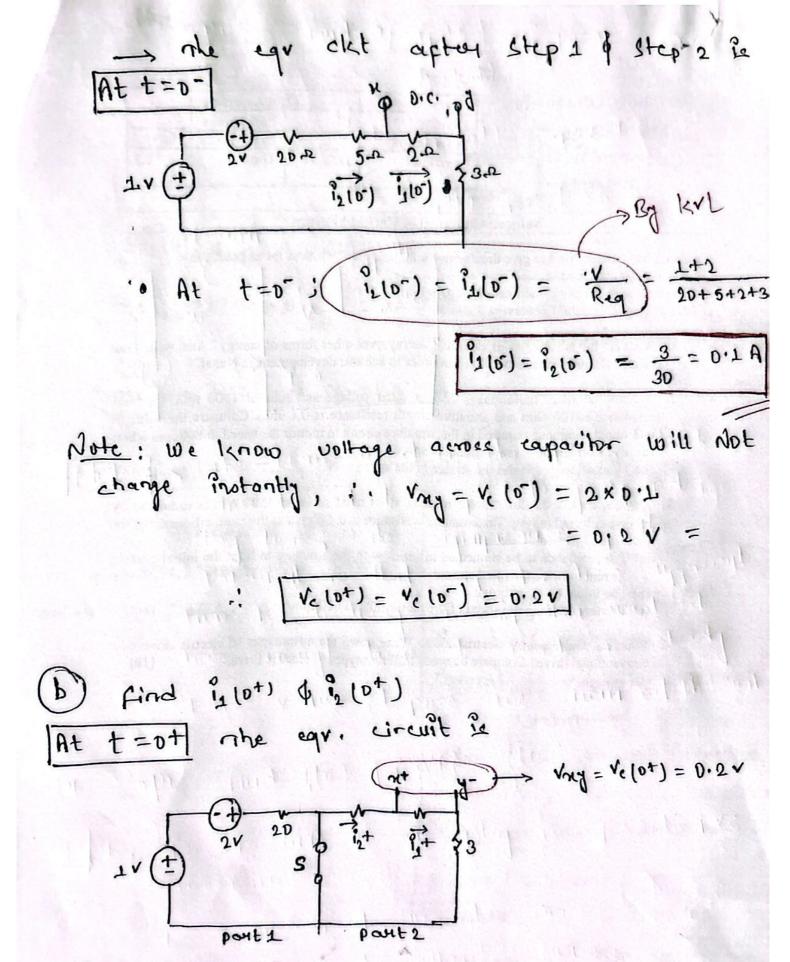
State value, before we Turn on the switce

(a) soft And [[0] & Most 12(0)

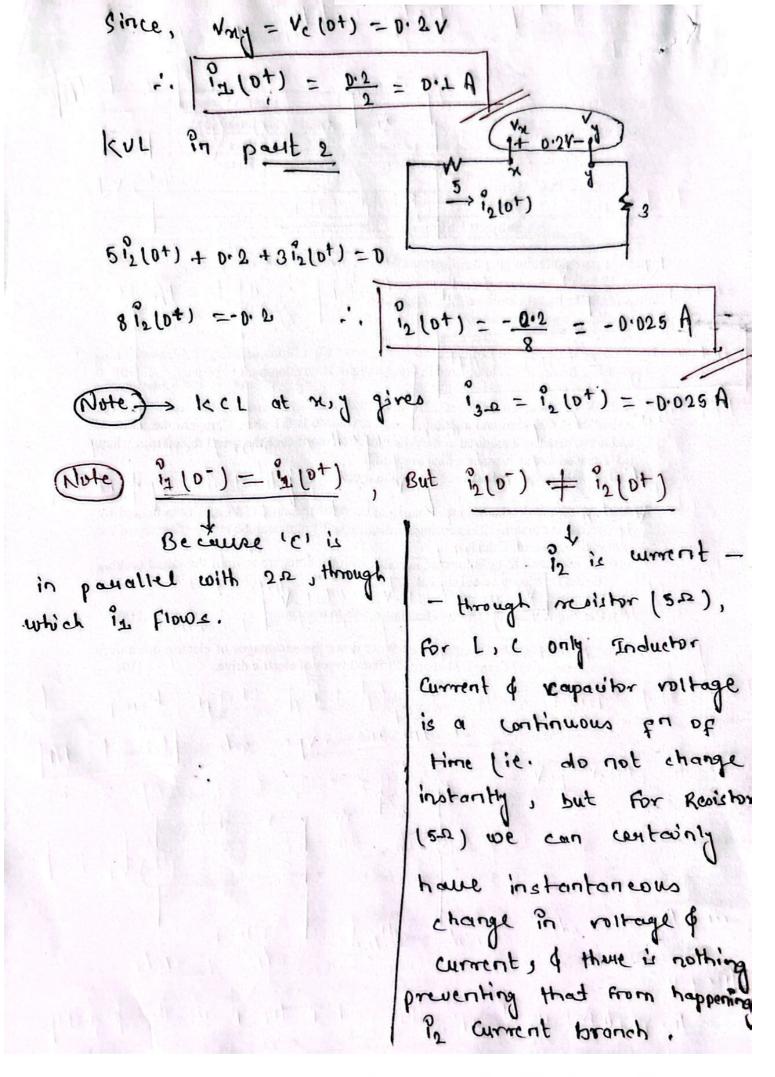
Step 1: for 150 mA we we going for pcs to pro

pres -> practical univert source.

[Step2; The eaparibor is modelled as D.C. in D.C. steady state.



Mute: The switch divides the circuit in 2 part Hence, kul in paul @ has No effect on kul in paul 2



(c) let Them set -> timal value no -> Initial value The general som of the electrical circuit is w(f) = ut + (40-ut) 6-f/2 -> 1st : supported sketch the system for (t >0) -> and: use thevening theorem & find egv Residence as seen by energy storing element (ie. Reg Brom capacitor point of view) 20 5 20 S = 1.6-2 .. Time constant == Regxc (For Reckt) = 1.6 × 2.44 = 3.2 45 -> 3rd : Tif =? -> Final value (+ >0) sketch the wrewit under <u>DC</u> steady state situation (The appropri-Don't I pant 2 Jour e is present in

