

Set-2

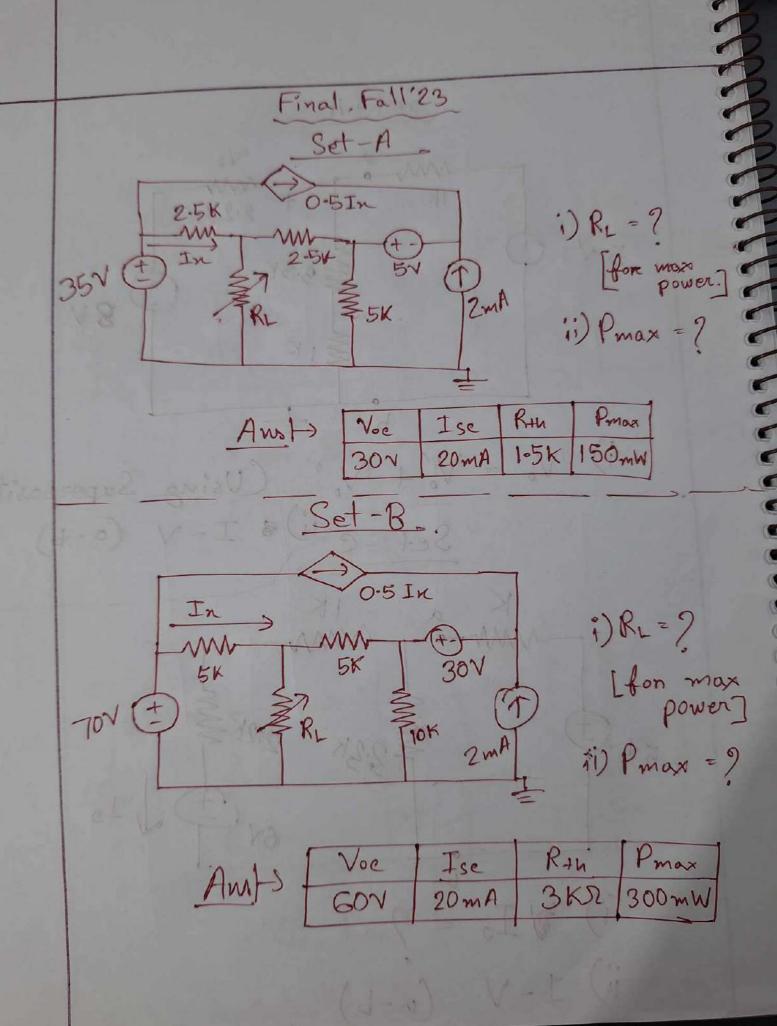
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$$\frac{1}{32}$$

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(a) For (16 × 00) (4) hopeodo 216 10 TO SUF 800F 805C 20V $i_{c}(0) = 4.5V - 0.5V = 4V$ $i_{c}(0) = 0A$

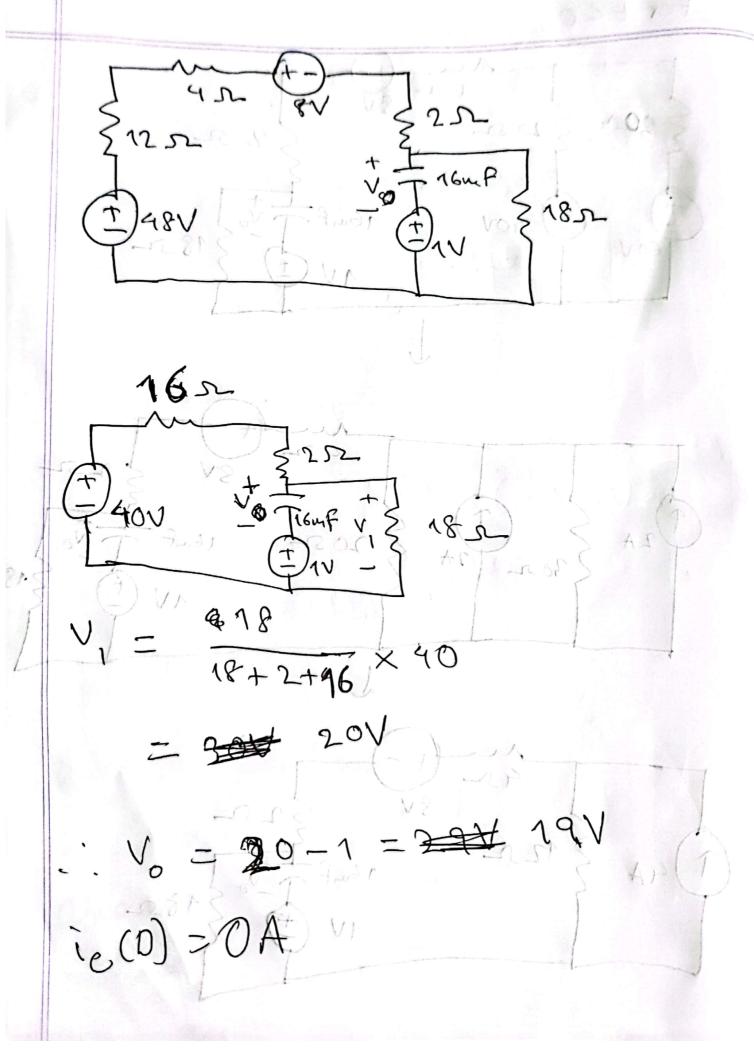
source transfermation, Buf +

25-3000 20V 155

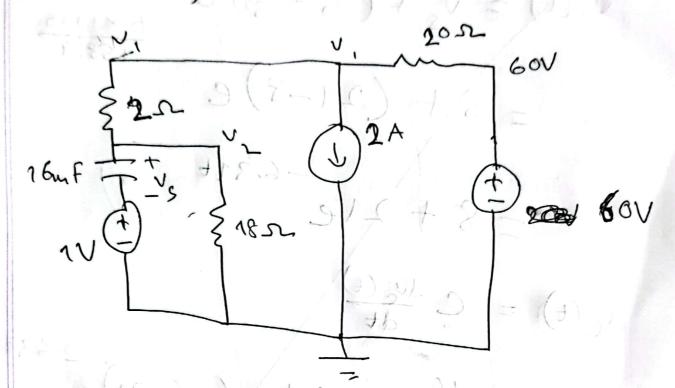
R = 911 (1+8) = 4.5-RC = 4.5 x8 = 36ms Vs + (Vo-Vs Vc(+) = =9.5+(4-9.5)e = 9.5 & - 5.5 e = C duc(t) $=\frac{8}{1000}\times(-5.5)(-27.78)e$

572 = 42 180 180 mg 011. 05 ph. 1. Cis charging the tus bail recorns Ving we have (1) 2/x tipopos es, J. M. Colinsky Bridge 10 100 1 policies of full design of bridge

For tco, 60V



For 6 40,



$$v_{\perp} = \frac{18}{18+2} \times 10 = 9V$$

ve(+) = Vs + (Vo-Vs)e = 8+(19-8)e in (+) = C = duc(+) $= \frac{16}{1000} \times 11 \times (-6.31)e^{-5.3}$ = -1.11eA

(b) v_c(E) (a) may re the transient perconar and Sr2 = 7792mg Capaciter siss discharging (4) Based on your auswer, find out Trifficulo Di rationano sul novasiono But I av ov word Britishopis prodo 11,2) to triry of fill oborg sigohulgo.