

thur, dereux exp. from is rater. ii. 4 safer to V(t) - No(0) = Ht; No(0) = 52; T=RE=2k · 1047(0.5) = 0.08
iii. 4 Thun, V(t) = 5 = 4000 2 lorside rusted tosision more to prister to after a long time at to a. the liquitor Voltage 12+3 for 400 . tourse DC and. 60V (24 0) they, since veor= 20; vers = 20 vers - 200) b. at += 0 in proben t 170 (NC 00 = 24(7) = 8 ; 2 = 8 V G. Coppensor Covert ilt x 0 4 i(4) = e du(+)/ - 2 d/ (8 + 12 - 19 +) 4 7 = Reg (() = 2(2) = 1= 6 2(12) x(4) e-1/2+ 4 Conide M47 = V(10) + (V(10) 2008 20082 48+ 520-87 e+14 4 60-146 AV by vct) = 8 + 12 et 44 or 1

3. A latral inslustor luncut 4 90) - 12/50 -0.24 A b. It to , susth open whilet \$ 20 ity is cox beduly i stortel 4 2 = 3/1000 = .0025 i'4 brish ill) = (10) + (100) - 1/100) = 17 ; #= 0002 sec 4 1/11) - 0 + (0.24-07e-6/0.002 4 4 (H) = 0.28e -500+ Clouder No (4) = 2 di (4) dt 4 No 4)=2 (0.21) Hbe -500+ 4 No(+) = - 240 = 500 0 V 4. Inville Circuit gleen aparter liftind as Not = 100-100+ - 100-1000+ \$20 a Compute the resoners by (12,) news by (d), land & 1'4 5, = -d + Juz + 2 = -1000 => -2 d -- som = 2500 = d 52 = -d + T L2 - Wo2 = -4000 ->> 5 - 1000 = -2000 + VESONO ------4 no - 2000 - /see ~ - 1/6 ich: lonstelle 2 - 1/20 - 2500 ii. 200 = 1/60 4 VIONE - 2000 4 R = 50.52/ 4 25 m/ = e ~ b. Brysik in (+). idt) 4 small will/k = ix (F)

Fred Leglace Smister of fet - Alas (66) f(+) = 1/2 [c'st + e'st] 6 x(+) -> x(5) shile 6" x4) + x (5-5,2 4 1/2 (eist + eist) + 1/2 (fes-10) + F(5+10) N 6. Experte laplane when do to + 6 xxx - 4000, x (0-) -- 32 ib Consider 5 x (5) - x (5) 46x(x) = 4/5; du(+)/2 #6x(+) = 9u(+); x (0-) = -3x by 5x(s)+3 +6x00= 4/5 La marger vissistes -3 4 25 = 4-35 (SHE) N enter Luplan Amster of ness =- 7 ut where weeks in the Lumbran i 4 Consider V(+) - NCS) u(+) > 1/2 Thos vess - 1/5 Net) = - 7 ut -7 1/2