6-6 (a) U0= - Rf U11- R= U22 + U13. (1+ Rf) = -2011-2012 +5013 (b) uo = - Rf UII + UI2 · RI+R3· (1+ Rf) + UI3. RI+R3· (1+ Rf) = -10 UII + 10 UIZ + UIZ = ziltnin noiz g = (c) No=-UII. Bt + UIZ. RI+RE (1+ RT) = -8 WII + 8 UIZ (d) ho = - Rf NII - Rf NI2+ NI3. R3+R4. (1+ R//R2) + NI4. R3+R4 (1+R//R2) = -20 NI - 2041 + 40 NI 3 + 414 (中三000) 14 150年十十十十十三日 以前大街了以下 -10. (a) T型网络反相比例求和 UM=- R3(UII + UIZ) 11 13= - UM, 14 = R1 + URZ U0 = UM - 14. R4 = - R3(U11 + U12) - (U11 + U12 - UM) · R4 = (u11 + u11) (-R3 - R4 - R3R4) (b) 434 = 41+(1+ RIL) (11) (11) 11 210 -121 U01 = 1134 · R5 () U02= U1- · (1+ R5) (: U0 = U01 + U02 = - U34 . R5 + U1- (1+ R5) =-UI+ (I+ RI) . R5 + UI- CI+ R5) 0+1017 0 = (|+ R5) (U1- V1+) = 1-1 U1. (|+ R5) C) U11-00 + 012-00 + 013-00 = 000 : Up = h (U1)+U12+ U13) Vo= (1+ R4) · Up - (R2+3) 00= 3/1 (uit Uz +UB). = [0(ui+uz +u3)

6.11 No= -RE . St. uidt+ 40(t1) = -100 St. uidt UV 2.5 11+- = ONE- III 6-13.40= - R2 41 - Sicdo = - R2 41 - RESuidt = - 'U1-1000 Suidt (b) i= adul , u0= - R. CI dul - 1. Scidul de =-RCI du - CI · UI = -0.001 dul - 241 (C) NO= C Sicdt = RC Suidt = looo Suidt (d) no=- & (icdt = - & (mi) + wis) dt = - 100 (ni) +0. tuz) dt 6-14-(1) NOI = - Rf. UI + Rf. B = 40-41 ic= 401-40 - 41 uo= とSicdt = - たいdt = - losuidt (2) 0.65 6-15. Uz= 40. (1+ R3) = 240 240= - = Sicate = - Resurde = -2 Suide 2 No =- Suidt

6.16.(1) UB = 4v. UC=[V(1)011++++11] = = = = = = = = = = = = = = = = = =
CUA= 7V . UD= -ZV
U0= ND·(1+R) = - 4V
(2) A3的输出电压U3 = - RIC·Jt UAdt + 40(t)
XH 40= 2UD- Ru3 = ZUD- U3 =0
: U3=ZMD = -4V
: 7x (-20. 11)=-4 11== 0.02865=011
apmi)000-111 - =
6-18, a) no = 0/1/3: no - 10/2 - = 010 = 1/2 = 015 (d)
40= (UII + UIZ) - (1/R3)
- 0. WU WO = - RB (- WI + WIZ)
: 407 000 413 (UR) 5 - RZD) 1 = 011 (2)
6) U6= -R4 (KUIT) K2U3 + W)) -= 01) (b)
(1) = (1) = (1) = (1) + (1) + (1) = (1)
$\frac{\partial U}{\partial t} := \frac{aU - 10U}{c} = 3$
1001-= 1001 = - = 3001 = - = 010
2).0(5)
611 E = (10 · (1+ 0 + 1) · 011 = E 1 · E 2
$3 \cdot (in) = c \cdot (in)$