Digital Logic 野东东湾、2210]31. 1.(0) (234)10 = (22200)3. = (0. 1111 ... 1) 2 3 (234.5)10 = (22200.1)3. (23p.8),0-(176.8),2 (D. (f3) = 5x6+3x6+ (x6) 5x1+2x6+ 4x62 = (167.)10 (d) [0]10.0]0]00. (2 6. 24.)8 (a) To have of radrx (6). 10). 0= 2+3.7 = 3×+2 20 = 2.X. 12.1= 2 radix= P = 3×+2 20 = 2.X. 12.1= 7. (m) (+c)(a+c') (a+b+c'd) = abd (c+c')+a'hd. = (d+cd)(a+hedd). bd (afa') = = al (atheclo) = alb+ald=al(b+cld)

4. (a). (-cc) (a/+b+c) (a/+b/+c). = (a+c) ((a'+c) + bb'). = (a+c)(a/+c), = c+aa/ = c. (b). F(r,bic) = 2 (0,1,213,5). = @ a'b'c'+ a'b'c+ a'bc' + a'bc + abc. = alb' + alb + ab'c. = al + abc 5 (a). F (a, b, c, d) = bd racd + ah c +a c ! = b(c+c) d+ a(b+b) cd + abc(d+d) + a (b+b)c. = bcd+bc'd+ abcd+ab'cd+ab'cd+ab'cal+abc'+a'b'cl = ab cd + a bcd + a bc'd + abcld + ab'cd + abcd + abcd + abcd + +abc'd +ab'dd = 2.00,6,4,12,11,14,10,5,0,1). +alb'c'd' = 2(0,1, 4.516,10,11,12,014) (b). F cx. 812) = (x+44+2) (x+y+22) = (x+y++)(x+y++)(x+y++)(x+y++). = T(.6,4,6)=T(4.5,6) 6. (a). F. CARC) = B(A+C)



