1) y(n) = 1 x(n) + 2x[n+1] + y(n+1) 49(n): 1 ax [n] + 2ax[n-1] - ay [n-1] 4、このコ: 1×、このコナ2×、こかコータ、こかり 4, CDJ = 1 X2 CD + ZX7 CD-17- 4, CD-17 40 [n] = 4 (X, En] + X1 En]) + 2 (X1 (n-17+ X2 En-17) - 4 [n-17 りってのコ・ソ、このファリュてのコ 4, Fn] + 42 En] = [(X, En] + x, En]) + 2 (x, En-1] + X2 En-1] - (4, En-1] + y2 En-1]) -[-0] + 2x [-0] x 5 + [0] x [-0] - 4 [-0] 41En]: 1xEn-no]+ 2xEn-no-1]-41En-1] yila] = yea-no) invaponic / 5LIT

2) 4CDJ: \$1 x2CKJ 40CD = 2 (ancx3) = 2 a2x2cx3 = a2ycn3 hoor 400) [(XICK) + KICK) = Z (XICK) + 1200) 4 Cn] = 4, Cn] + 4, Cn] + 2 Z X, [K] X2 [K]
4 Cn] = 4, Cn] + 42 [n] X/2 [m] 4, CN = 2 X C K = -0 K = -0 y1CnJ- 2-no x2cmJ= y Cn-no] invarion tev SLITX

(CI+07x (CO)x (CI-07x) molon +[0] (CI mobilaction Jax Chijaxthija a hobon (xthil) XOJ, XCHI) moder (XII x) & moder(XI) + moder(XI) Lincol X 4, En] - Mcd on (XI En - 1) X/ En + 1) - ([+ 1] X) En + 1) medon (xCn-1-no) x [n-no] x cn+1-ne] > y cn-no) Invariante / SLIT X 4) y(0-Ax(4)+B ABER an(t) -> 96(C) - tax(E) +B = ag(t) = aAx(t) + qB 4, (W)+9,(E) (+X,+0) +(Ax+B) - AXI+AxI + 20 Lond X x (t=to) -> y(t)= Ax (t-to)+B y (tota) Ax (tota) B invariable V SLIT