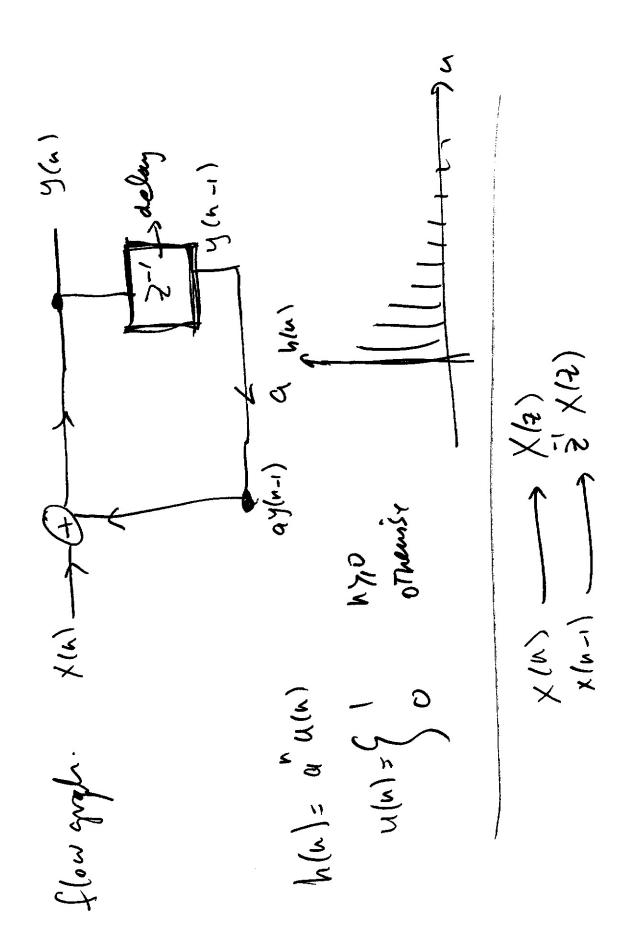
Feb 8,06 y(n)= x(n)+ a y(n-1) X(2)= Y(2)[1-azi San be H(2)= P(2) / Filters (LSI system) Impulse vestono. 4(3)=

\

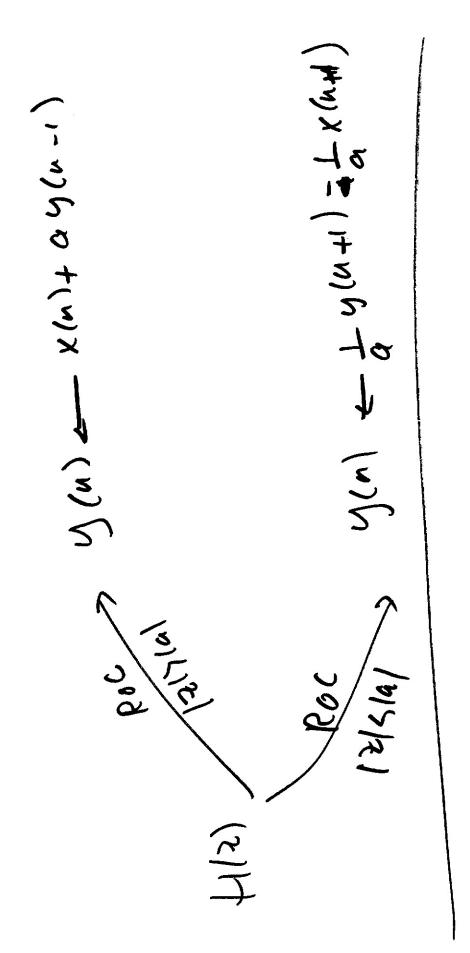


47 (27°12)H (27°12)H (27°12)H

wey input mask . (n'in') x (ri, nz,) (1.2.2.2.4) output mak 7

4

(u) - X(v) がかくしてよりによりしてくいか x(n) + ay(n-1) 4(a) - a 4(-n-1) Distant Realization of save. D.E. Canal h(1)=a"u(1) ay(n-1) B Redigating p.E. -y(n)= x(n)+a y(n-1) <-- D.E. > ont; was synth **♦** (১)5 (2) Inticornal realizates tion 12/2/2/2/ ROCUEIKIAI 1(2) + ROC (-az T(2)#



(2) yan,, nz) - 4 ya, +1, nz +1) - 4 x (A+1, nz+) () - 24, 1-1, pp + (54,, m) X -> (54,1, m) (1) 2 different nearlyster of D.E. is output mash :07

Det: sys is recoverively compately if their is a sequential way of compately output point one often Baconive Compartab. 77

(1-14c1) / 34(41-1) n2) + 34(41) 12-1) +44 y(m,-1, h2-1) 7 × (m1, h3)

it possible realisation of D.E.

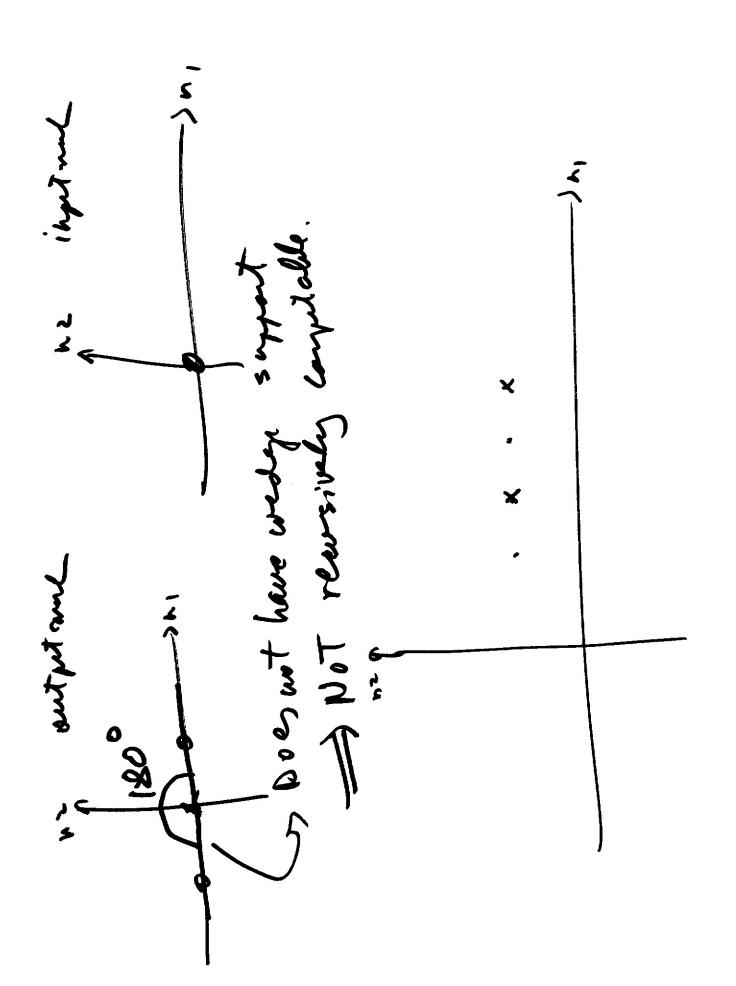
() y(n,,nz) -29 (n-1,hz) -3y(n,,nz-1) - + y(n,-1, n2-,) + x(n,,n2)

.-= 40 < 180° -(ROS) of - Rewsively compted. output mul ROS for Thin

3 y(h+1,h2) -4y(h+1,h2) -4 y(h, h2-1) + x(h,+1, h2) E) Amother (ealization of same D.E. J(n 1,1 nz)

-4 y (u1-17 n2) + K(u17 n2) +4)(4,-1, n2) = X(4,3h2) 1 U/A 10 m 2) +24 (x1+11 m) (+ 2 4 (~ + 1 ~) x + るの(かけつかり) (ないない)かとーーマスルイリカ 1 2 g (n1, 12 + y(h,, h,) --- -- -- -- -- y(h, 1, h, +1) out put and -3/4 ካ/- o

1



Ros of sorth med is week (Les

Rewinds controlled to bis sible to bis sible to be sorth as often

To compare outsite in a often recesived LAOT

ado a sohn. Given D.E + Parlightin, how 7. chance 8.C.? X(r)= #8(r) variety and my Add I.C. Ic. y(-1)= %

y(0)= ab(-1)+ b (0)

y(1): is (a yo + b) yz (m)= 4, (h) + ka Chosin B.C. y(n)= 0 y(n-1) + 6 x(n). . v o so to un sque short ±5 this egsten? (x) \(x) \(x \) .. S o . のアム ったム ソイルー・ 一十十一 一 一 ち と (一)) 一 本 と (一)) 一 本 と (一)) 一 本 と (一)) / + a b 4 (n) 1)(n)=a+ Yo (- u -) h e/ , t b + y(n)= a" (a40+6) u(n) 4(-2) W (n) = ant 2-5 4

Make I.C. to be to $\gamma(\alpha)_{=}$ α b = 0 $\gamma(\alpha)_{=}$ α b = 0(mudusion.

Line Court. WH. D.E.

to make it correspond 1. as yet

1 Ic-0 linear system yes only it I.e. is classen in accordance with the imal.

I.e. 4(-1)=0.D. 4 Doesnot resent 0=(1-2/ \rightarrow 7C-1)=0 1(4)=0 (m)= b \$ (n-5) Initial condi Find Partural LCC DE + I.R.C 100 pe + F. RC. (n) < 9 = (n) x (n) x

3(2)50 K(4)= 8(4) り(ル) ← のり(ルーハ) + ちとれ) To waterit (b-n) = \$ { (n-5) (カメター (カカナー) yal= ay(n-1) + bxa) 0=(0)6 157

