



0	16) tale X, [n] = 3" N[-11-1] , X2[n] = (3)" N[n] , X = X,+X
0	YOU = XON + CND + XON + (CNDX + CND) = (XIN) + (NDX + CND)
0	ソ、この) = X1このメトロコ = ころなし[++1]は「な[1+3-14]
9	$= \frac{1}{2} \sum_{i=1}^{n+3} \frac{3^{i}}{4} \frac{1}{3^{i}} \frac{1}{1} \frac{1}{3^{$
-	= 3k(4)nk, n2-4
0	= ) 1243n , n = -4
0	1 11-4n n>-4
0	Y2[1]= X2[1] Xh[1]= 置(方)加(1)(本)(本) Th(1)*]
6	= ) 0
ŏ	$\begin{cases} \frac{n+3}{2} \frac{1}{3} \frac{1}{3} \frac{1}{4} $
	= ) 0
9	$\frac{-3}{4^{n}} + \frac{4^{n}}{3^{n+3}}$ , $n > -3$
0	
0	3nt3 - 11-4n n 2-3
0	
0	2.28 (a) Causal and stable
6	when $n < 0$ $h \bar{u} n = (\bar{x} h u \bar{u} n) = 0$ Causal
6	製hik]= 気は) = サイの : stable
0	(G) neither cousal or stable
0	when $n \in 0$ $h = (=                                   $
0	(e) (ausa) and unstable
0	when $n < 0$ $h = (\pm \frac{1}{2})^n u = 0$ $causal$
0	$\frac{3}{2}$ hrk] = $\frac{1}{2}(\frac{1}{2})^{4} + \frac{3}{2}[\frac{1}{2}]^{4} + \frac{1}{2}[\frac{1}{2}]^{4}] = \infty$ not stable
0	ign cousal and stuble
0	when neo hon ] = n(\frac{1}{2}\) uin-1 = 0 cansal
0	2°  han   = ₹ K = 1 < ∞ : stable
0	
4	