(b) 
$$y(t) = [\chi_d(t) - \chi_o(t-2)] + h_o(t)$$
 $= \chi_o(t) + h_g(t) + (\delta(t-2)) + (\delta(t-2))$ 
 $= y_o(t) - y_o(t-2) + (\delta(t-2)) +$ 

(d) 17 77 h[n] = h[n] (u[n-no] - u[n-no]) · 艺[h[h]|< 00 是稳定的 (e) X 支o h(t)=et u(t) 显然不稳定 Uf) X YIM= XIN-1] 是因果LTI系统。 y[n]= X[n+1] 不是因果的 Y, Inj = XInj \* & In-1] Y2Inj = XInj \* & In+1] YINJ= XINJ\*h·[h] \* 为zINJ 被补正引 = 7[n] \* &[n-1] + &[n+1] = 7[n] 去P是因果的 (g) x In h(t) = e tult)  $S(t) = \int_{-\infty}^{t} e^{-t} u(t) dt = \int_{0}^{t} e^{-t} dt = (1 - e^{-t}) u(t)$ 但 [100]5(t)|dt=0 系统稳定.但PURC向应河积 · ytn] = Atn] \* htn] . Stn] = uin] \* htn) n<0 とtnj=o => n<o htnj=o 恒地投資 SCU 打球 hit) 才闭联 系统是因果的