1). Set I be a white notte, mean zono, uniona be.
Y+= C+ 2P+-1.
(a) Men Lyun Ir (Ye)
$E(Y_t) = E(P_t - 2P_{t-1}) = E(P_t) - 2E(P_{t-1})$
= 0-2×0=0
(b) Auto covarionce.
() if t = S: Cov (Y+. Ys)e Var (Yt) = Vov (Pt - 2Pt-1)
Var(Pe) + 4 Var(Pe+) = 6e+46e = 56e
Order dech mother. Cov (Yt. Ys) = Cov (Yt. Yta) = Cov (Pt - 2Pt-1, Pt-1-1Pt-2) = Cov (Pt. Pt-1) - 2 Cov (Pt. Pt-2) - 2 Cov (Pt-1, Pt-1) + 4 Cov (Pt-1, Pt-1)
Cov (Yt Ys) = Cov (Yt Yta) = Cov (Pt-1Pt-1, Pt-1-1Pt-2)
= Cov (Per (t-1) - 2 Cov (Per (t-2) - 2 Cov (Pt-1, Pt-1) + 4 Cov (Pt-1 Por (Pt-1))
= -2 Var (Pt-1) = -26e
8 if t-s > !
Cov (Yt. Ys) = Cov (Pt, -1Pt-1, Pt-2-2Pt-2)
= Con(Pexter)-2(on(Pex, Pex)-2(on(Pex, Pex) + + ColPex, Pex-2

	$7t,s = \begin{cases} 56e & \text{if } t=s \\ -26e & \text{if } t-s =1 \\ 0 & \text{if } t-s \neq 1. \end{cases}$
(c)	Auto Correlatin An(the An(Yt) \\ Vor (Yt) = Var(Pt-1Pt.) Corr (Yt, Ys) = Cov (Yt, Ys) = 56e. Vor (Yt) Vor (Ys) -26e
	$ \frac{f_{t,s}}{f_{t,s}} = \int_{-\frac{\pi}{5}}^{2} if(t-s) = 1 $
(1)	Is 34t? Stationary? /. Mt = 6. 2. Cormiona is free of t. U. ->: Yes!!
Tools.	