9 Nr 1921 Subject. Day. \_\_ Month. \_\_ Year. P(UW) = 7 {y(t)} = 7 {n(t)\*h(t)} = 7 {n(b)}. 7 {h(b)} = X(uw) H(uw) G(jw)= F{2(6)}= F{n(rt)\* h(rt)} = 下{n(rb)} 干 {h(rb)} = X(中) H(中)

$$e^{-r|f|} \sin(rt) = e^{-rt} \sin(rt) u(t) + e^{-rt} \sin(rt) u(-t) = \frac{2}{3}$$

$$\frac{1}{2} \left( \frac{1}{2} \right) + \frac{1}{2} \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right)$$

Day .... Piontn ... lear ....

$$X(i\omega) = \int_{-\infty}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} \sum_{k=0}^{\infty} ak \delta(t-kT) e^{-i\omega t} dt \qquad (7-2)^{-1}$$

$$= \sum_{k=0}^{\infty} \sum_{$$

$$G(i\omega) = F\{2(t)\} = F\{n(t)\cos(t)\} = (-\omega) - F(-1)$$

$$\frac{1}{r\cdot n} \left(F\{n(t)\} * F\{\cos(t)\}\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1))\right) = \frac{1}{r\cdot n} \left(X(i\omega) * F(\delta(\omega - 1) + \delta(\omega + 1)\right)$$

$$G(i\omega) = \# \{2(t)\} = \# \{n(t) cs(\# t)\} = \frac{1}{171} (\# \{n(t)\}) = \# \{os(\# t)\} = \frac{1}{171} (\# \{n(t)\}) = \frac{1}{171} (\# \{n(t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171} (\# \{os(\# t)\}) + \# \{os(\# t)\}) = \frac{1}{171}$$

$$H_{\mathcal{F}}(\mathfrak{J} \mathbf{w}) = \mathcal{F} \{ \mathcal{U}(t) \} = \mathcal{L} + \mathcal{T} \mathcal{J}(\mathbf{w})$$

$$\frac{(\dot{o}\omega)^{r}Y(\dot{o}\omega)+7(\dot{o}\omega)Y(\dot{o}\omega)+\Lambda Y(\dot{o}\omega)=YX(\dot{o}\omega)(\dot{o}\omega)-\Lambda}{Y(\dot{o}\omega)} = \frac{Y(\dot{o}\omega)}{X(\dot{o}\omega)} = \frac{1}{(\dot{o}\omega)^{r}+Y(\dot{o}\omega)+\Lambda} = \frac{1}{(\dot{o}\omega)+r} = \frac{1}{(\dot{o}\omega)+r}$$

$$h(t) = F^{-1}\left\{H(\dot{o}\omega)\right\} = e^{-rt}u(t) - e^{-rt}u(t)$$

