

$$\Delta$$

$$\frac{1}{-2} - 10 + 123$$

$$E = \lim_{N \to \infty} \sum_{n=-N}^{N} |\mathcal{L}[n]|^{2}$$

$$P = 4 < 30$$

$$\lim_{T\to\infty} \int_{-T} |x(t)|^2 dt$$

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$$= \lim_{N \to \infty} \sum_{n=-N}^{N} 4 = \lim_{N \to \infty} 4 \left(2n+1\right)$$

$$= \infty$$

$$P = \frac{\lim_{N \to \infty} \frac{1}{2N+1}}{\lim_{N \to \infty} \frac{1}{2N+1}} \frac{\sum_{N=-N}^{N} |n|^2}{|n|^2}$$

$$= \lim_{N \to \infty} \frac{1}{2N+1} \frac{[N+1]^2}{2N+1}$$

$$= 4 \quad 6$$

$$x(t) = 1; \quad 0 \le t \le 1$$

$$= 0; \quad \text{otherwise}$$

$$E = \lim_{T \to \infty} \int_{-T} |x(t)|^2 dt = \lim_{T \to \infty} \int_{0}^{T} |x(t)|^2 dt = \lim_{T \to \infty} \int_{0}^{T} dt$$

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$$E_{bo} = \lim_{t \to 0^{o}} \int_{-T}^{T} |\mathbf{r}(t)|^{2} dt$$

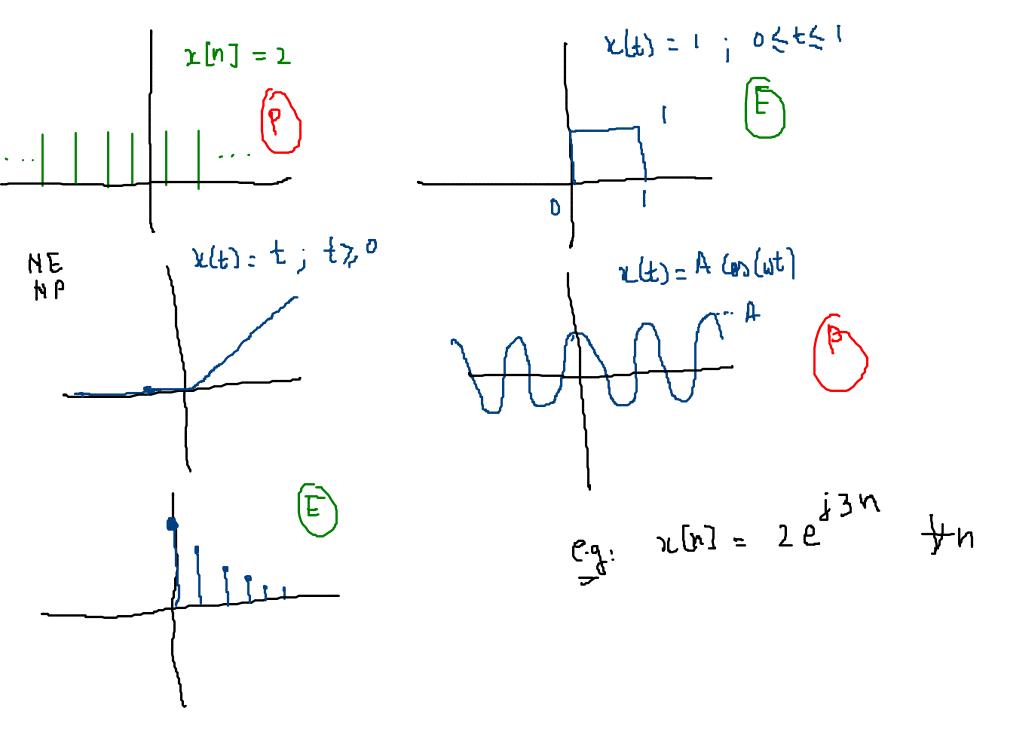
$$=\frac{A^2}{2}\lim_{T\to\infty}\int_{-T}\left[1+G_{5}\left(2\omega t\right)\right]dt$$

$$= \frac{A^2}{2} \lim_{t \to \infty} \left[1t + 19 in \left(1w^{-1} \right) \right]$$

$$e \cdot q \qquad \gamma \leq \lfloor \frac{1}{2} \rfloor^{n} \qquad \gamma = \left(\frac{1}{2}\right)^{n} \qquad \gamma = 0$$

$$E = \frac{4}{3} \quad \angle ba$$

$$P = D$$
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_	Books .
\bigcirc	Signals and Systems () ppentitions, Schafer, Hamid (Peauson)
2	"Linear Systems of Signals" B.P. Lothic; (OUP)
	Video Ledver
	"Signals of Systems by Prof. Vikzam Jahr, Edix IITB —— Dutta Roy IITD (F Alan Opportuin MIT Och
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