R= TI (1 D. Cycle T2+T1 Ia R= 1 F. T de x(t) = x(f) x(t) =oin II n TI/TZ Sincfinh

module = XoTI Sinc [n R] $|X(f)| = |X \times R|$ $|X(f)| = |X \times R|$ |X(f)| = |XP= nTh place imposie - Hear Sower of the signal se(t): $\frac{1}{T_2} \times \sqrt[2]{T_1} = \times \sqrt[2]{R}$ Sompling with $T_S = \frac{T_1}{2}$ J TI= 2TS T2=875 OTS 2TS 4TS 8TS DIS 10TS $\mathcal{I}_{now} - \mathcal{K}_{s}(t) \equiv \mathcal{K}_{n} = n : 0 \rightarrow 10$ Note that an [t] being feriodia N=8 comples are snough for sludy -

Meen power of a dishete signal... $X_s(0)$ Xs (1) $X_S(0) = 2$ $=1+\frac{\sqrt{2}}{2}-\frac{\sqrt{2}}{2}$ Xs(1) = 1+ $x_{s}(2) = 1 + -1$ $x_{s}(3) = 1 - \frac{12}{2} - \frac{12}{2}$

$$|x_{s}(y)| = 1 - 1 = 0$$

$$|x_{s}(5)| = 1 - \frac{12}{2} + \frac{12}{2}$$

$$|x_{s}(6)| = 1 + \frac{12}{2} + \frac{12}{2}$$

$$|x_{s}(0)|^{2} = 4 - \frac{12}{2} + \frac{12}{2} = 1 + \frac{1}{2} + \frac{12}{2} + \frac{12}{2} = 2 + \sqrt{2} - \frac{12}{2} = 2 + \sqrt{2} = 2 +$$