t sercitio 1 x(t)= Exolt-nT); xo(t)=4 sinc s(Bt) T= 4 segnale periodicitants $X(8) = \frac{4}{8} \left(1 - \frac{|8|}{B}\right) \operatorname{vect}\left(\frac{s}{2B}\right)$ T=台马二=B -5/1 -1/2 [1] -5/1 -1/2 [1] -1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1/2 = 1 $y(t) = -1.ij + e^{-ji\pi^{2}t} + e^{-ji\pi^{2}t} + e^{-ji\pi^{2}t} = -i\pi^{2}t$ = -2, -j sen(27=)+3 cos(27=) = - sen(47=)+3 cos(27=) Est = ERP = EoPo + EsPa = e²[= (T'[8]e^{-18]}] df = e²[= + + p²e^{-2[8]} df = e²T' [= e²T'] = e²T'] = e²T' [= e²T'] = e²T'] $=2e^{2}T^{4}\left[\frac{e^{-28}}{(-2)^{2}}\left(-2^{2}-1\right)\right]^{\frac{1}{7}}=2e^{2}T^{4}\left[\frac{e^{-\frac{7}{7}}}{4_{1}}\left(-\frac{7}{7}-1\right)+\frac{1}{4_{2}}\right]=\frac{e^{2}-\frac{7}{7}}{2}T^{4}\left[\frac{e^{-2}}{7}-1\right]+\frac{e^{2}-1}{2}$ $= -e^{2-\frac{2}{7}} T^3 - \frac{e^{2-\frac{2}{7}}}{2} T^5 + \frac{e^{2}}{2}$ $E_{3} = \int_{-\infty}^{\infty} |S_{\kappa}(t)|^{2} dt = \int_{-\infty}^{\infty} |m_{2}g_{T}(t)|^{2} dt = \int_{-\infty}^{\infty} |g_{\tau}(t)|^{2} dt = 6e^{2} \int_{-\infty}^{\infty} |G_{\tau}(s)|^{2} ds =$ = 2e'T' (- 2e'T' - e'X + 1) $E_{57} = \frac{-e^{2-\frac{2}{7}}}{2} T^{3} - \frac{e^{2-\frac{2}{7}}}{4} T^{4} + \frac{e^{2}T^{4}}{4} - \frac{2e^{2-\frac{2}{7}}T^{5}}{7} - e^{2-\frac{2}{7}}T^{5} + \frac{e^{2}T^{5}}{4} = \frac{e^{2}T^{$ - Tet T'4 - e2 - T' + e2T' - 6e2 TT' - 6e2 TT' + e2T' =-2e²⁻⁷-3-5e²⁻⁵-T⁴+ =e²T⁶

(1) skaylisto...

$$G(8) = T^{2} | S | e^{-18!} \left(\operatorname{ect} \left(\frac{9}{1/n} \right) \cdot e^{-18!} \operatorname{ect} \left(\frac{9}{1/n} \right) - e^{-18!} \operatorname{ect}$$

$$\begin{aligned}
P_{r}\left[\hat{2}e \mid -e\right] &= P_{r}\left[x_{\kappa} > \lambda \mid -e\right] &= Q\left(\frac{3e}{2} + e\right) = Q\left(\frac{5e}{25n}\right) \\
S_{n}^{2} &= P_{n} &= \int_{-\infty}^{\infty} S_{n}u(s) |G_{R}(s)|^{2} ds - \frac{N_{o}}{2} \int_{-\infty}^{\infty} |G_{R}(s)|^{2} ds - \frac{N_{o}}{2} \left[\frac{2\pi}{25n} + \frac{1}{n}\right] \\
&= N_{o} T^{n}\left(\left(-\frac{1}{2} \frac{e^{-2\gamma}}{T} - \frac{e^{-\frac{2}{\gamma}}}{n}\right) + \frac{1}{n}\right) = -\frac{N_{o} T^{2} e^{-2\gamma}}{2} - \frac{N_{o} T^{2} e^{-2\gamma}}{n} + \frac{N_{o} T^{n}}{n} \\
R_{r}(e) &= \frac{1}{2} Q\left(\frac{e}{25n}\right) + \frac{1}{2} Q\left(\frac{5e}{25n}\right)
\end{aligned}$$