$$\frac{Y(m)}{S(m)} = \frac{2}{1 - \frac{3}{4}} e^{-\frac{3}{2}y} = \frac{2}{(1 - \frac{1}{2}u)}$$

$$u \triangleq e^{-\frac{3}{2}u} \Rightarrow \frac{2}{(1 - \frac{1}{2}u)(1 - \frac{1}{2}u)} = \frac{A}{(1 - \frac{1}{2}u)} + \frac{13}{(1 - \frac{1}{2}u)} = \frac{4}{(1 - \frac{1}{2}u)} + \frac{-2}{(1 - \frac{1}{2}u)}$$

$$\Rightarrow \lambda(n) = 4(\frac{1}{2})^n u(n) - 2(\frac{1}{4})^n u(n)$$

$$= \frac{2}{(1 - \frac{1}{2}u)(1 - \frac{1}{2}u)} + \frac{13}{(1 - \frac{1}{2}u)} = \frac{4}{(1 - \frac{1}{2}u)} + \frac{-2}{(1 - \frac{1}{2}u)}$$

$$= \frac{2}{(1 - \frac{1}{2}u)(1 - \frac{1}{2}u)} + \frac{13}{(1 - \frac{1}{2}u)} = \frac{4}{(1 - \frac{1}{2}u)} + \frac{-2}{(1 - \frac{1}{2}u)}$$

$$= \frac{2}{(1 - \frac{1}{2}u)(1 - \frac{1}{2}u)} + \frac{13}{(1 - \frac{1}{2}u)} = \frac{4}{(1 - \frac{1}{2}u)} + \frac{-2}{(1 - \frac{1}{2}u)} + \frac$$

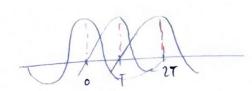
$$ap(t) = \lambda(t) \left\{ \delta(t-nT) \right\}$$

$$x_r(t) = h(t) * x_p(t)$$

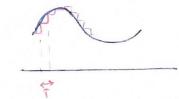
$$=h(t) * \chi_{p}(t)$$

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$$=h(t) * \left(\underbrace{f}_{n=-\infty}^{+\infty} \chi(nT) \cdot \delta(t-nT)\right) = \underbrace{f}_{n=-\infty}^{+\infty} \chi(nT) h(t-nT) = \underbrace{f}_{n=-\infty}^{+\infty} \chi(nT) \underbrace{\psi_{c}T}_{n=-\infty} \underbrace{Sin\psi_{c}(t-nT)}_{n=-\infty}$$



Zero-oider hold Gibr Mer



رق على: بالمد لله ب خاص زماى T نعة كنال (به عاداع).

