La Carrie

4.
$$Y(D) = X(D-3) + X(D-2) + X(D-1) + X(D)$$

$$Y(Z) = X(Z)(Z^{-3} + Z^{-2} + Z^{-1} + 1)$$

$$T(Z) = Y(Z)$$

$$X(Z)$$

$$X(Z)$$

$$Y(Z) = X(Z) + Z^{-2} + Z^{-1} + Z^{-1} + Z^{-1}$$

$$X(Z) = X(Z) + Z^{-1} + Z$$

$$= \frac{e^{31\Omega}}{e^{31\Omega}} + \frac{e^{123\Omega} + e^{312\Omega}}{e^{31\Omega}} + \frac{e^{123\Omega} + e^{123\Omega}}{e^{32\Omega}} + \frac{e^{322\Omega}}{e^{31\Omega}}$$

aplicando la fórmula de Euler

$$TU\Omega = e^{-8RU\Omega} \left(2008 (312\Omega) + 2008 (112\Omega) \right)$$

4T=-312 1

$$T(J\Omega) = e^{-2J\Omega} \left(2\cos(2\Omega) + 2\cos(\Omega) + 1\right)$$

$$L(100) = \frac{6n0}{6n0} = \frac{6n0}{6n0} = \frac{6n0}{6n0} + \frac{6n0}{6n0}$$

$$=e^{-1/2}J\Omega$$
 (1/2 Ω)

D. Y(n) = X(n) - X(n-2)

T (Z)

T(10) = -610 +610 = 610 (6110) +6110)

= e-Ju 2/81/(U)