Mudança : $\dfrac{e^{\left(-j\frac{\omega_0 n}{2}\right)}\left(e^{\left(j\frac{\omega_0 n}{2}\right)} - e^{\left(-j\frac{\omega_0 n}{2}\right)}\right)}{(jn\omega_0)} = e^{\left(-j\frac{\omega_0 n}{2}\right)} \cdot \text{Sinc}\left(\dfrac{\omega_0 n}{2}\right)$

$$D_n = e^{(-j\pi n)} \cdot \text{Sinc}(\pi n) + \dfrac{e^{(1-j2\pi n)} - 1}{(2\pi jn - 1)}$$

• Colocando Valores ⟹

$$\lim_{x \to 0} \dfrac{\text{Sen}(\pi x)}{\pi x} = 1$$

$$D_0 = 1 + (-1,7183) = -0,7183$$

$$P_0 = 0,516 \text{ W}$$

$$D_1 = \dfrac{1}{1}\left(e^{(-j\pi)} \cdot \text{Sinc}(\pi) + \dfrac{e^{(1-j2\pi)} - 1}{(2\pi j - 1)}\right) = -0,0424 - 0,2667j$$

$$D_{-1} = -0,0424 + 0,2667j$$

$$P_1 = P_0 + P_{D_1} + P_{D_{-1}} = 0,6619$$

$$D_2 = \dfrac{1}{1}\left(e^{(-j2\pi)} \cdot \text{Sinc}(2\pi) + \dfrac{e^{(1-j4\pi)} - 1}{(4\pi j - 1)}\right) = -0,0108 - 0,1359j$$

$$D_{-2} = -0,0108 + 0,1359j$$

$$P_2 = P_1 + P_{D_2} + P_{D_{-2}} = 0,6991$$