$$\Lambda_{0} = \frac{2\pi}{N} \Rightarrow N = \frac{2\pi}{0.01\pi} = 2 \times 100 = 200 \text{ amostros}$$

$$M = 3.7$$

$$N = 80 \times \text{DFT}[3] = -X_{DFT}[-3] = 80; \qquad \Lambda_{0} = \frac{2\pi}{N} = \frac{2\pi}{N} = \frac{\pi}{2}$$

$$3)_{N=80} \times_{\text{DFT}[3]} = -X_{\text{DFT}[-3]} = 80; \qquad \Lambda_{0} = \frac{2\pi}{N} = \frac{2\pi}{N}$$

$$\times_{\text{DFT}[7]} = X_{\text{DFT}[-7]} = -160$$

$$\times_{\text{DFT}[7]} = X_{\text{DFT}[-7]} = -160$$

$$\times_{\text{M}} \times_{\text{M}} \times_{$$

$$\frac{3}{80} = \frac{1}{80} = \frac{1}{80} = -2 = 1$$

$$4 = \frac{1}{80} = -2 = 1$$

$$4 = \frac{1}{80} = -2 = 1$$

Thetal = 0,53 
$$N = fs \cdot T_{total} = 500 \text{ ormedition}$$

$$f_1 = 1000 \text{ Hz} \qquad f_R = k \cdot \Delta f \Rightarrow f_{24} = 24 \times 2 = 48 \text{ Hz}/$$

$$\Delta f = f_3 = \frac{1000}{500} = 2$$

$$Amp = \frac{120FT}{N}$$

$$= 160$$

$$\frac{N}{160} = 1y$$