B= W/IC 20= JI

$$U = \frac{1}{\sqrt{LC}} = 1.38 \times 10^8 \,\mathrm{m/s}$$

$$V = \frac{\chi}{t} \Rightarrow \chi = V \cdot t = 1.38 \times 10^{8} \cdot 22.5 \times 10^{-9}$$

$$\chi = 3.105 \,\mathrm{m}$$

$$\overrightarrow{1}_{L} = \frac{2L - 20}{2L + 70} = \frac{53 + j70 - 50}{53 + j70 + 50} = \frac{3 + j70}{103 + j70} = \frac{70 L 87.5^{\circ}}{124 L 34} = 0.56 L 53.5^{\circ}$$

$$\frac{R}{L} = \frac{G}{C} \Rightarrow G = \frac{RC}{L} = 4.2 \,\mu\text{S/m}$$

$$u = \frac{1}{\sqrt{LC'}} = 72.7 \times 10^5 \text{m/s} \text{ velocidar}$$

$$\lambda = \sqrt{R6} = 9.1 \times 10^{-3}$$
  $\beta = \omega \sqrt{LC} = 103.6$ 

$$b-\sqrt{(x)} = \sqrt{0}e^{-dx}$$

$$0.2\sqrt{0} = \sqrt{0}e^{-dx}$$

$$0.2\sqrt{0} = \sqrt{0}e^{-dx}$$

$$0.2 = e^{-dx}$$

$$\ln(0.2) = -dx$$

$$x = -\frac{\ln(0.2)}{dx}$$

$$x = -\frac{176.8m}{dx}$$