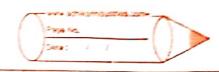
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(A4)	Problem Statement : 1/2 1/2	
	Using one of apon method for cool-Pidios	
	(New ton - Raphson Method) efinding value of we that assults in an impedance of 750 fox following parameters.	
	knowns, R = 225 1	
	T = 0.2H $C = 0.6 \times 10 - eE$	
<i>b</i>	7 = 75 D Impidence	
	equation, $ \frac{1}{2} = \frac{1}{R^2} + \left(\omega C - \frac{1}{2}\right)^2 $	
Solo:	$\frac{1}{95} = \frac{1}{(225)^2} + \frac{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}$ $\frac{1}{95} = \frac{1}{(225)^2} + \frac{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}$ $\frac{1}{95} = \frac{1}{(225)^2} + \frac{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}$ $\frac{1}{95} = \frac{1}{(225)^2} + \frac{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}$ $\frac{1}{95} = \frac{1}{(225)^2} + \frac{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}$ $\frac{1}{95} = \frac{1}{(225)^2} + \frac{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}$ $\frac{1}{95} = \frac{1}{(225)^2} + \frac{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}{(\omega^2(0.6 \times 10^{-6})(0.7) - 1)^2}$	
	$f'(\omega) = \left(\frac{\omega^2(0.6 \times 10^{-6})(0.5) - 1}{\omega(0.5)} \right)^2 + \left(\frac{1}{125} \right)^2 - \left(\frac{1}{125} \right)^2 + \left(\frac{1}$	$\frac{J_2}{J_3}$



Now, applying formula

 $X_{i+1} = X_i - f(x_i)$ $f'(x_i)$

volue of w = 0.3516590.