$$X_{c} = WL = 10^{9} \cdot 100 \cdot 10^{-3} = 1000 \text{ n}$$

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$$Z = \frac{1}{10^{4} \cdot 1 \cdot 10^{-6}} = 100 \text{ n}$$

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$$Z = \frac{1}{100} = \frac{100}{1345} = 0.074$$

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$$Z = \frac{1$$