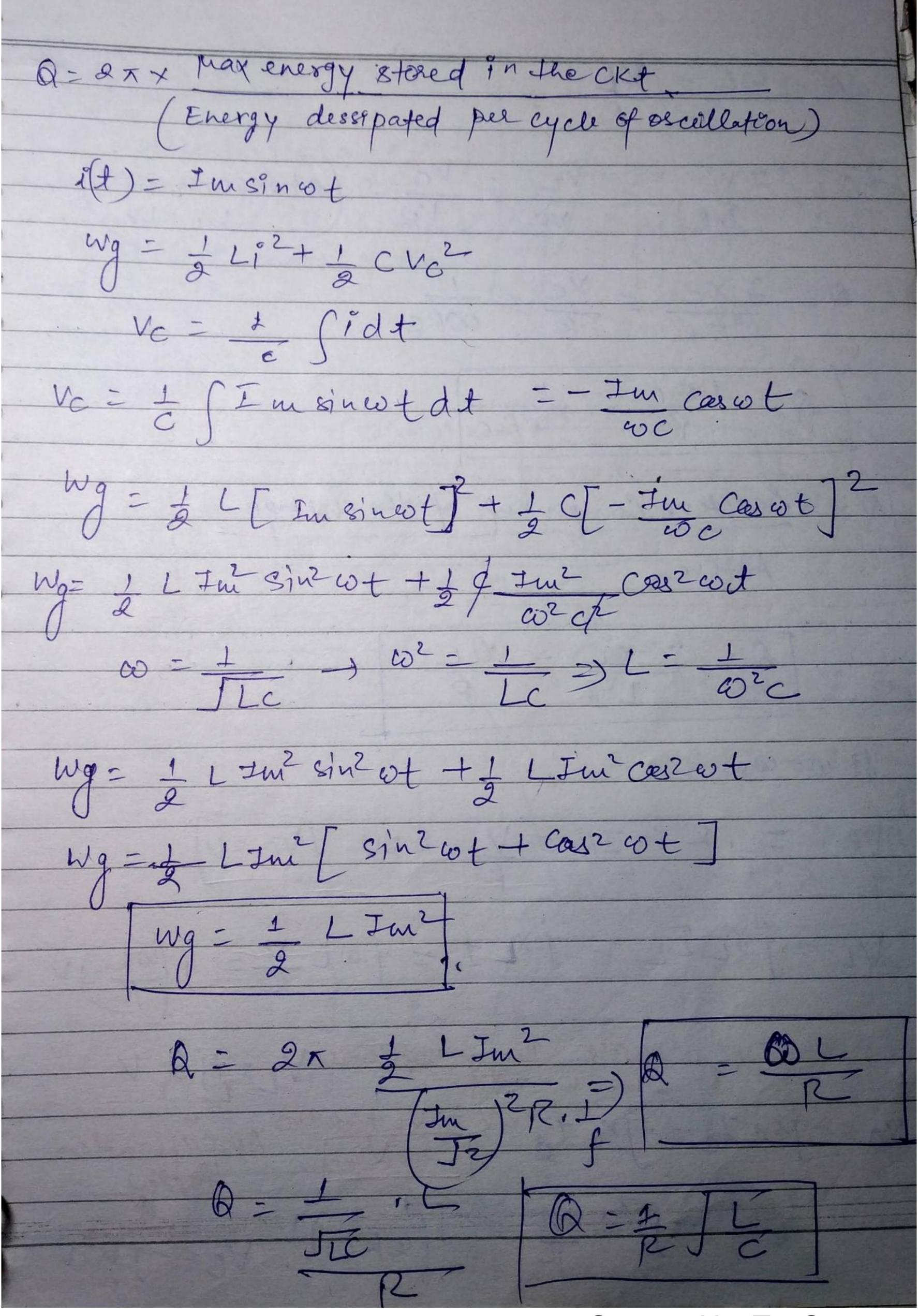


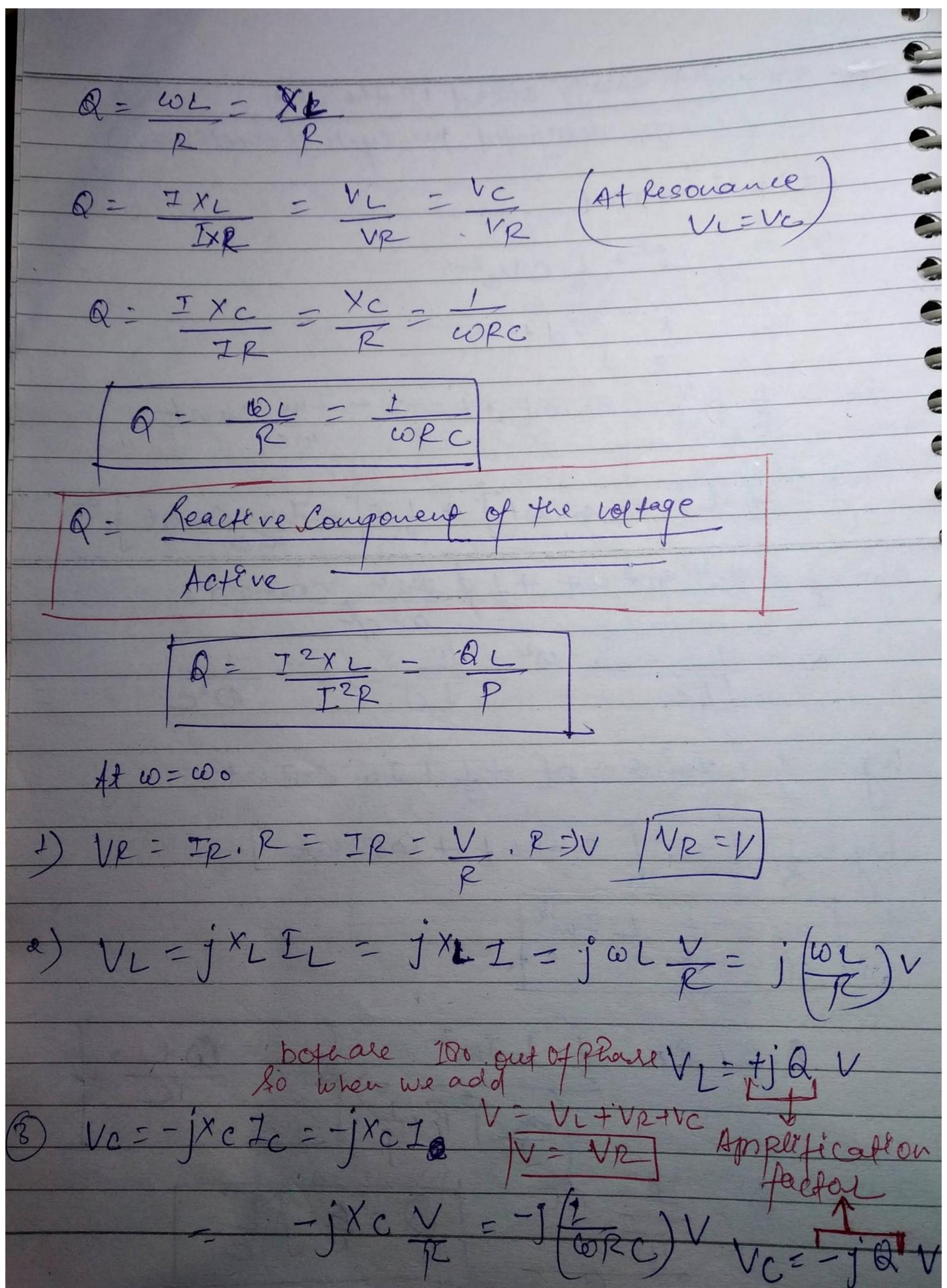
From the graphs we can conclude the following tor co 2000 the capacitive Reactance > Industrie Récaefance capacitive in nature, And Confront I leads the applied voltage Vand Af w = coo both the reactances are equal ong honce fle impedance is nun i.e. z=R the Course I and I are in phase and hence the of is anity. At we wo the inductive Reactance > Lagacitive Reachance XIXXI and i. the net relationee is inductive in nature and the current I' lags the applied volterpe V. Giving Laggi At Resonance Net Reactive voltege = 0

R+j(XL-Xc) Voltage aeross copacitor volterje across inductor -TP2+(OL-+0)27 せん =0 to The frequences absorbed Vissing. Quality Factor: -> QF is a Ratio of the mad energy exported in the che to the energy dees pated in the cit in one time

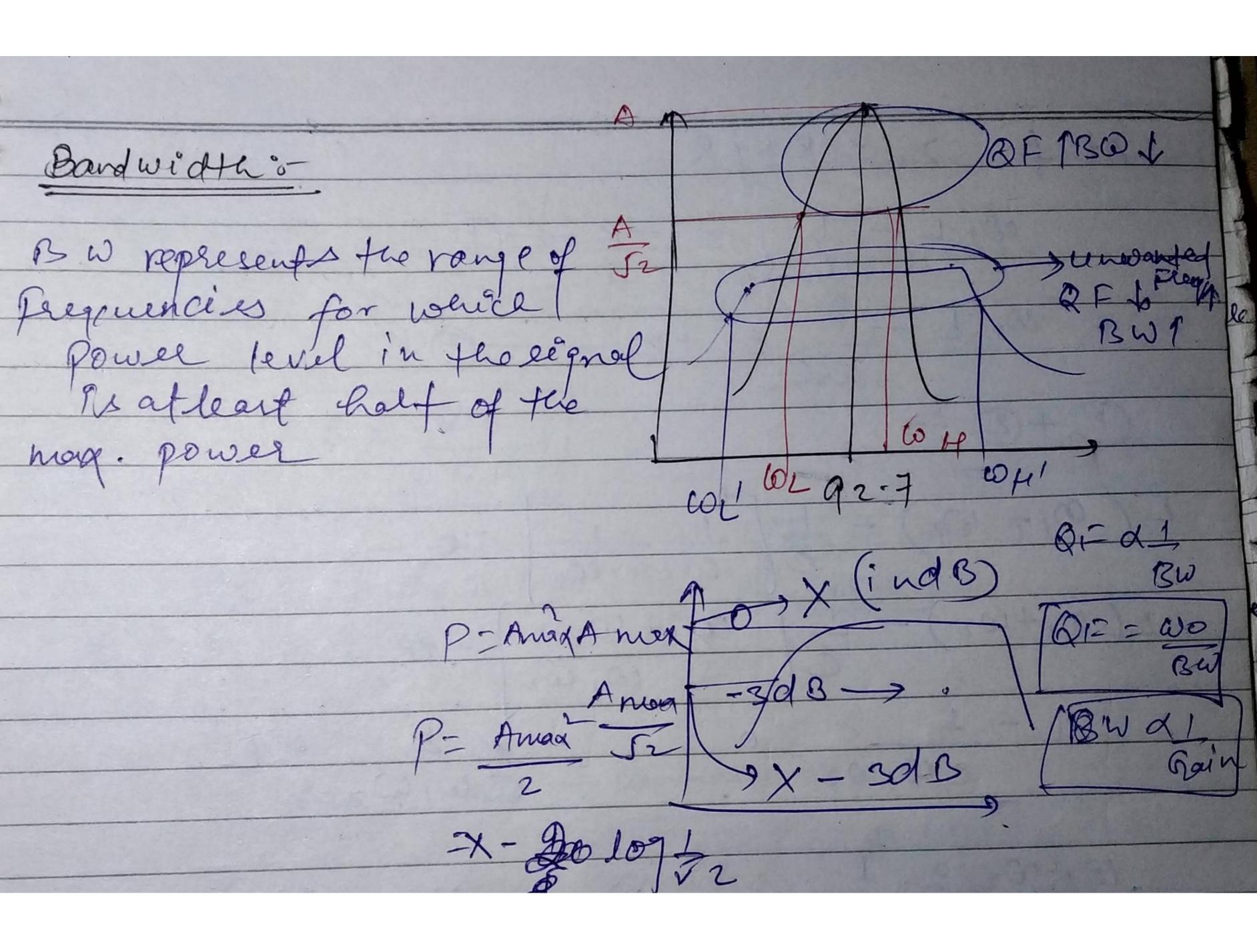
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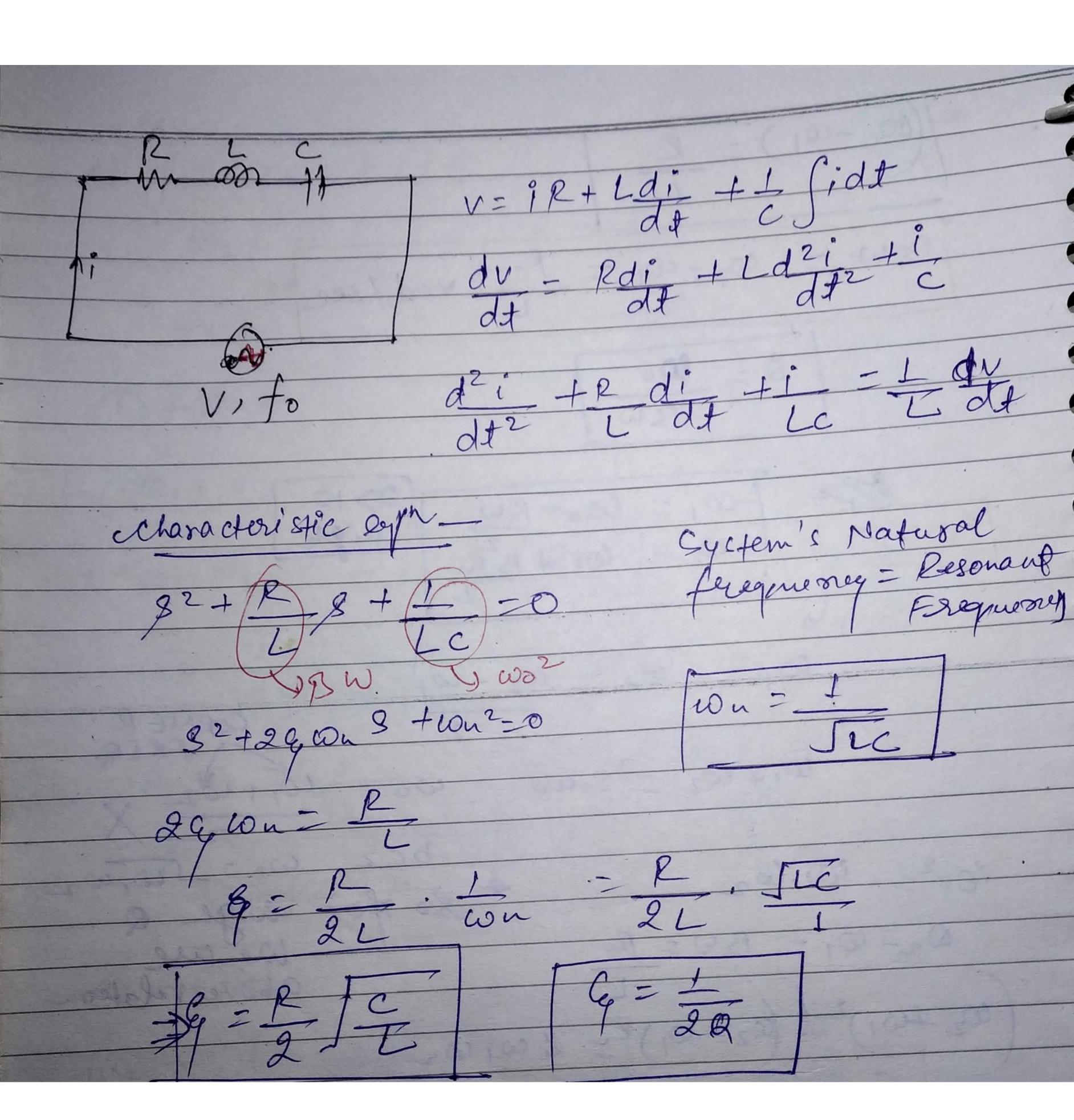


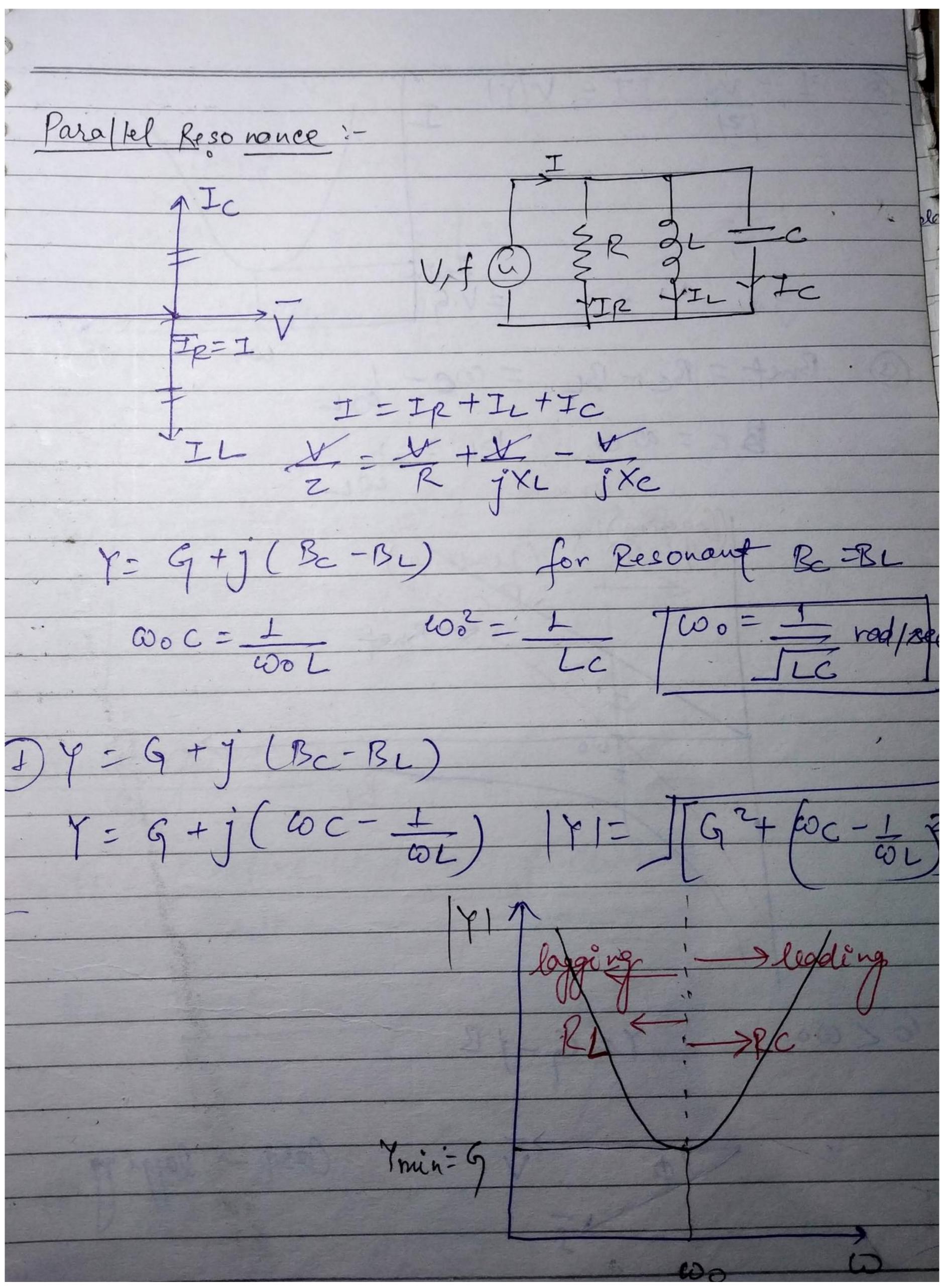
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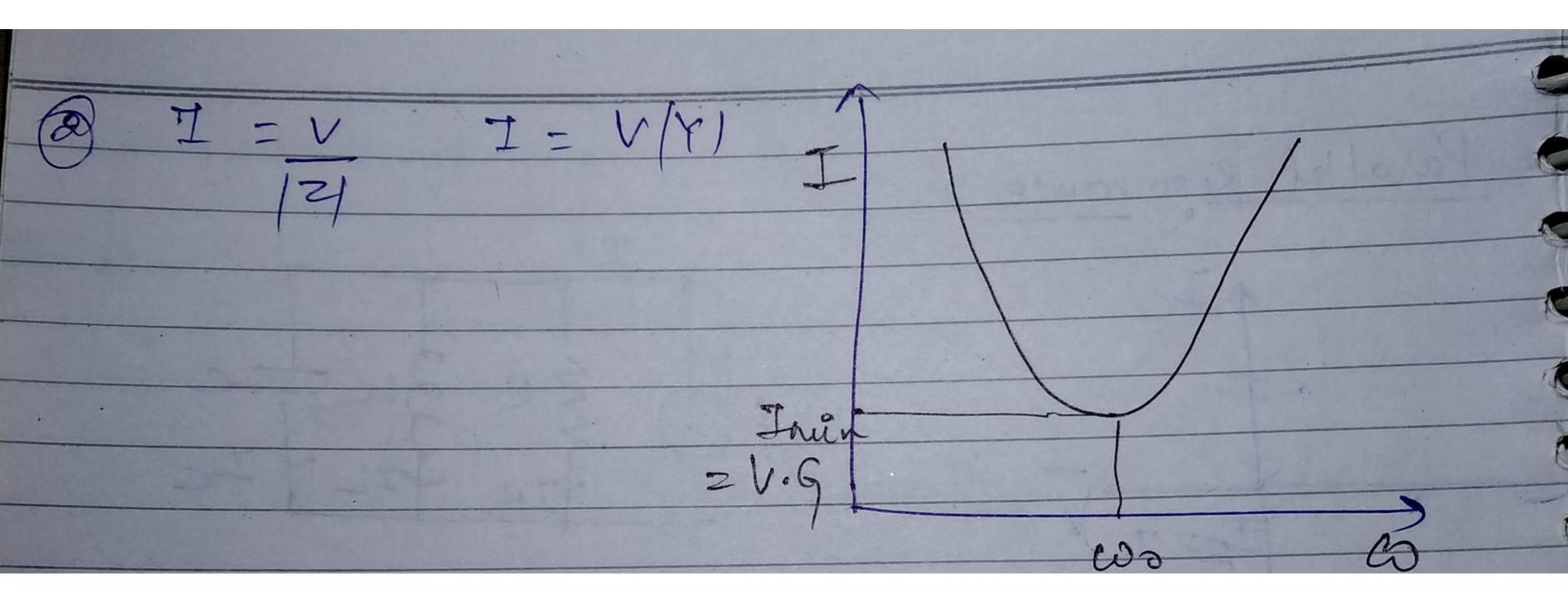
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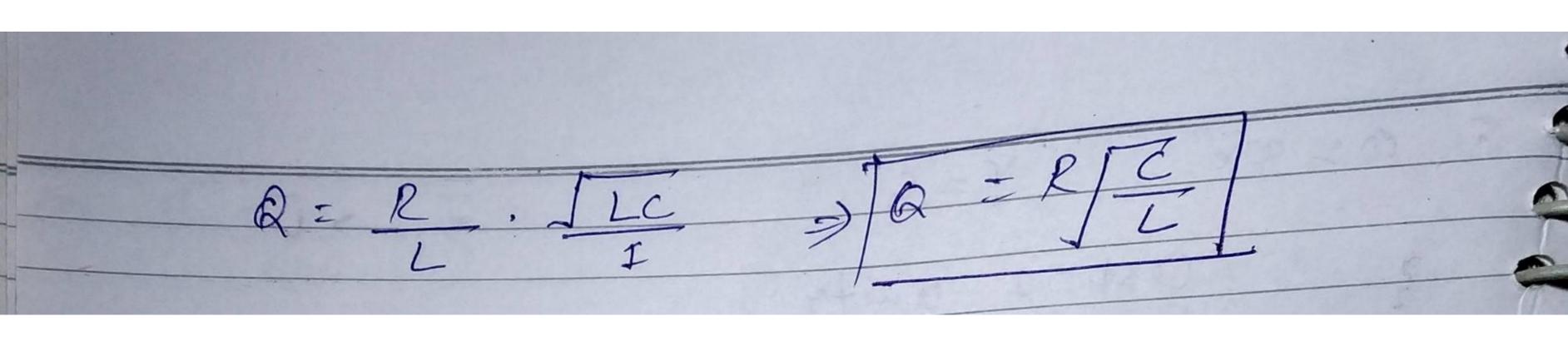


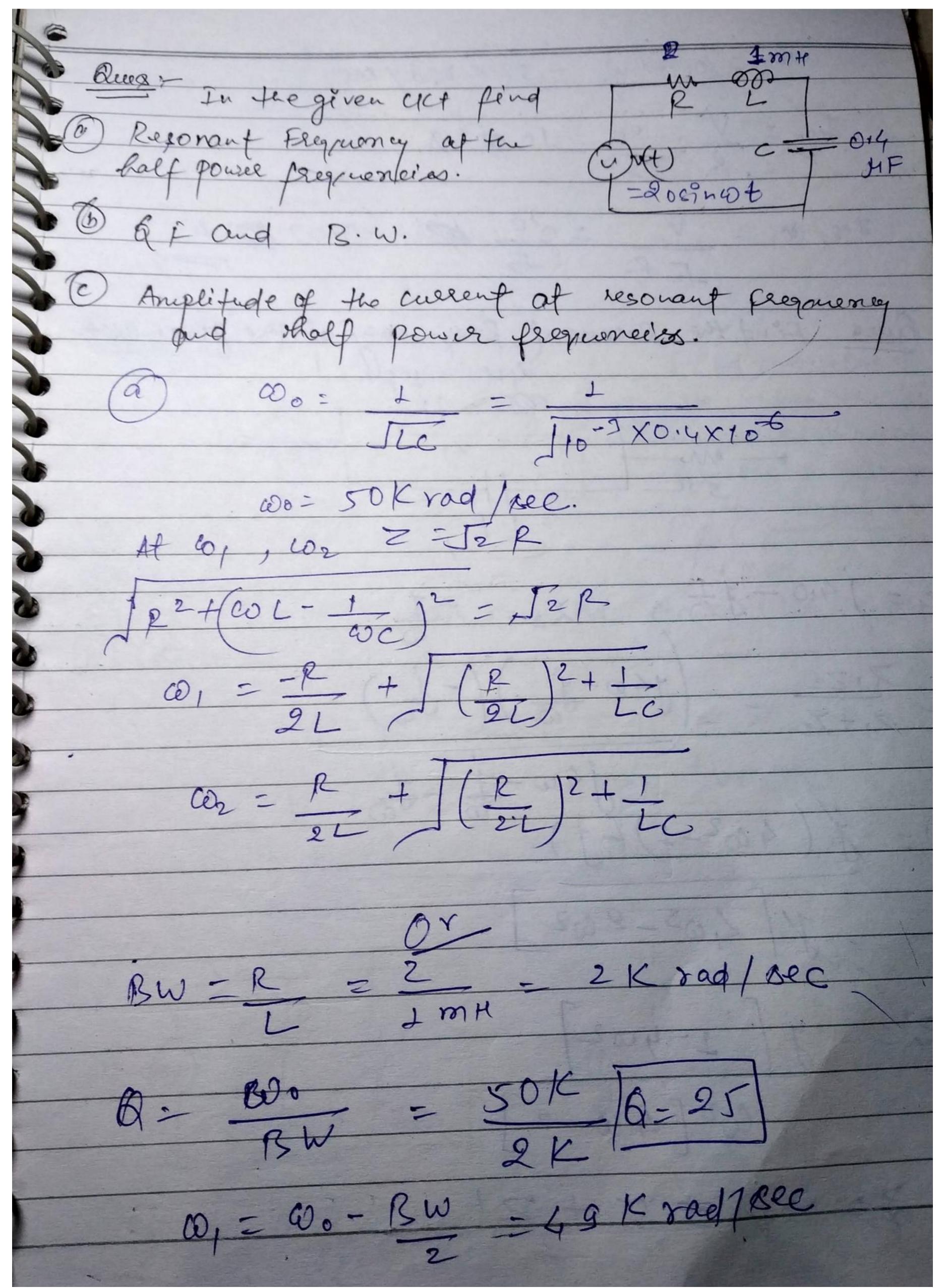


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Quality factor -Q = Reactère Component of Current





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