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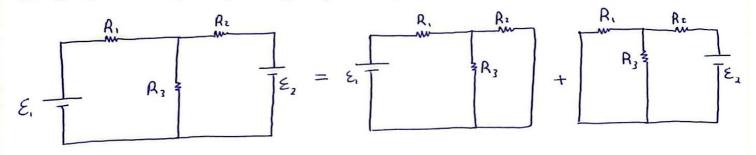
## Scalifed anth CBy Stanlast Obaid

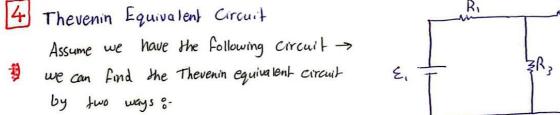
(1) Superposition (SPP)

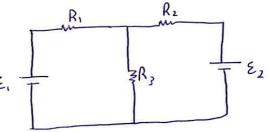
\* Steps:-

1) Turn off all sources except one source, find the output (voltage or current) due to that source

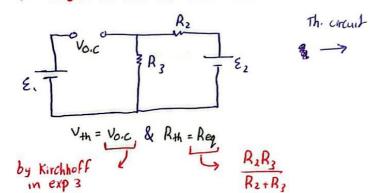
- 2) Repeat step I for each of the other sources
- 3) Find the total output by adding algebraically all the outputs due to each source.



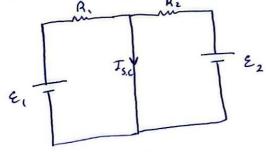


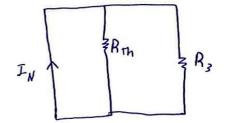


#### i) Voltage at the open circuit



Rth ξR,



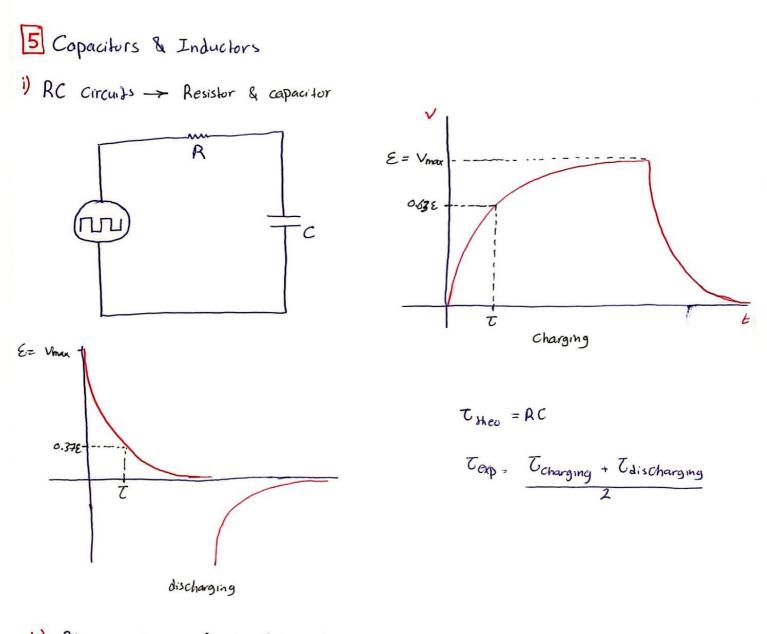


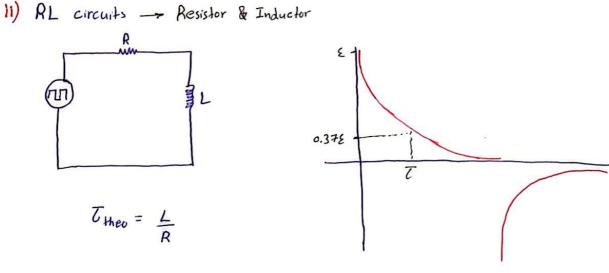
 $I_N = I_{S,C} = \frac{\varepsilon_1}{B_1} + \frac{\varepsilon_2}{B_2}$  $R_{th} = Req = \frac{R_1R_2}{R_1+R_2}$ 

(2)

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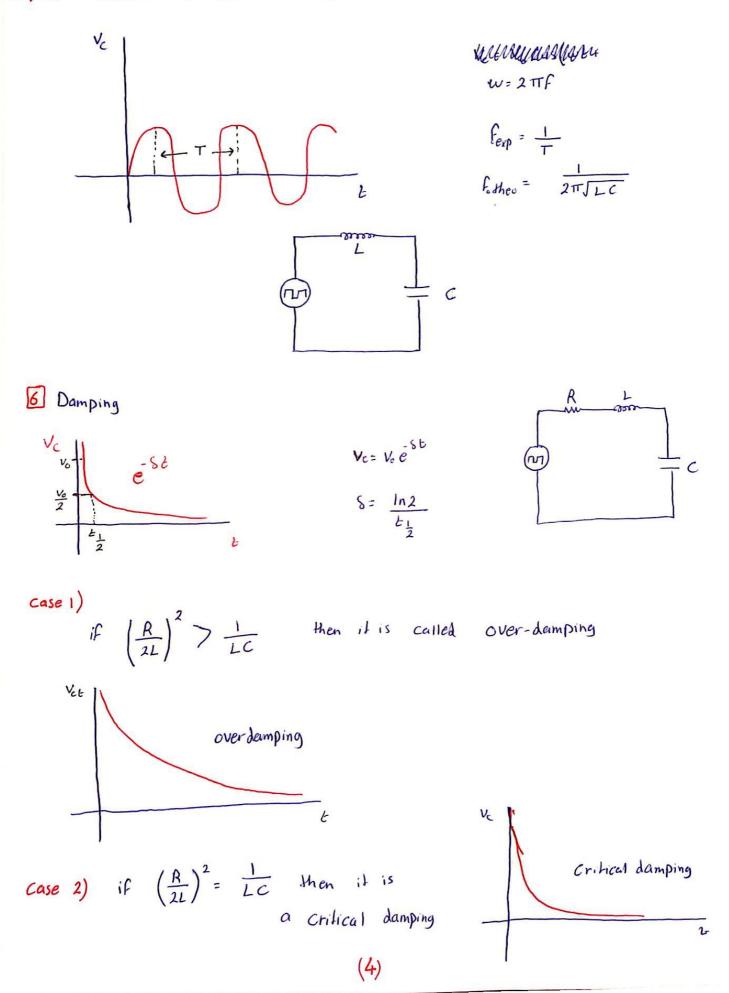


(3)

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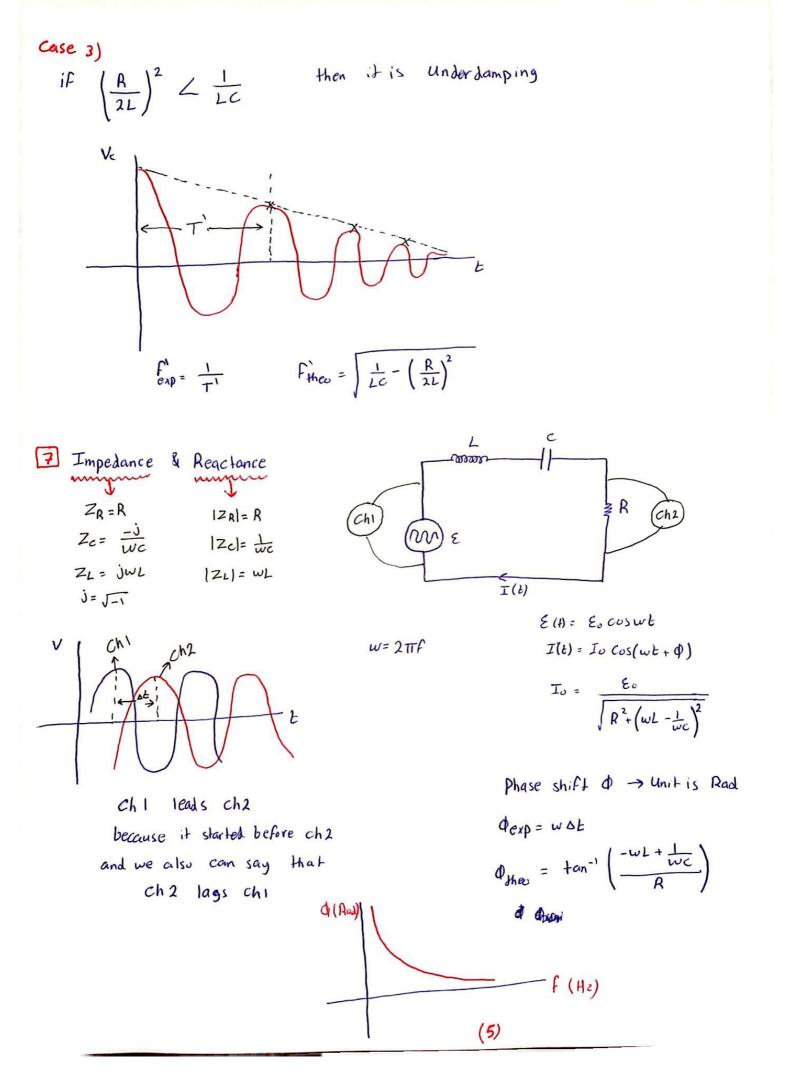
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iii) LC circuits -> Inductor & capacitor



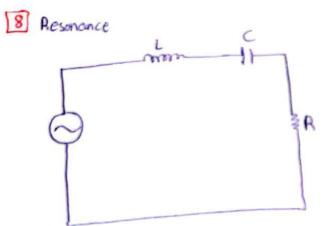
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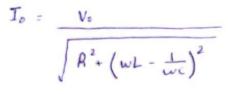
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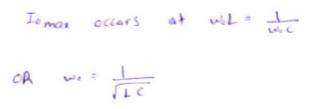


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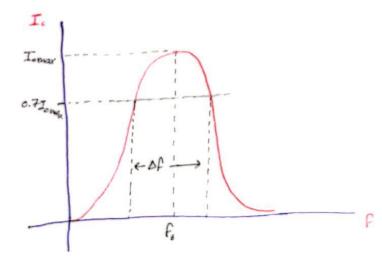
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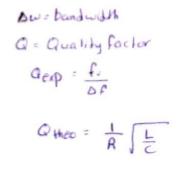












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