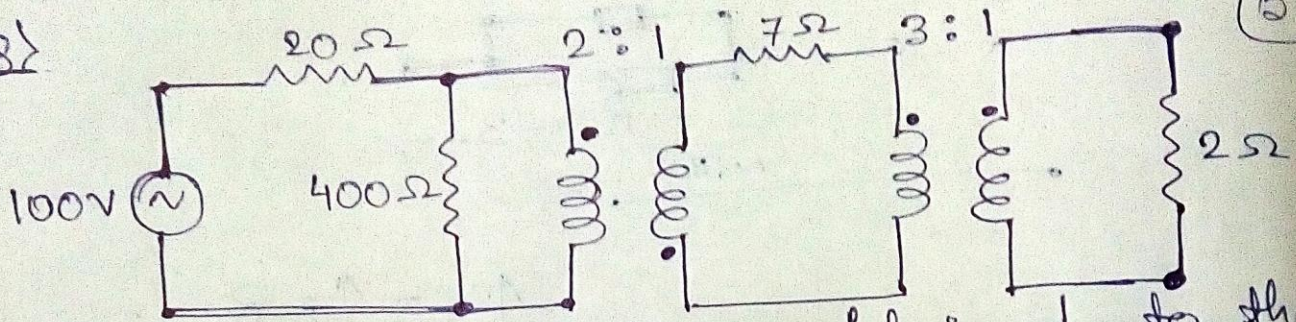


⊕

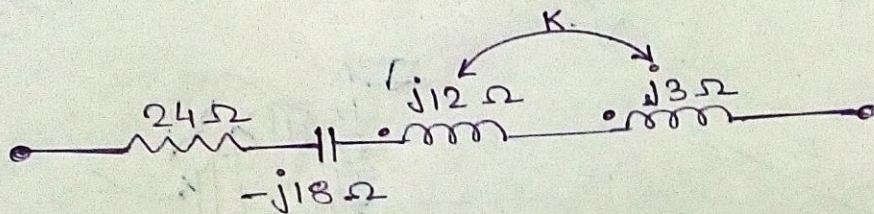
LAB ASSIGNMENT

Q1



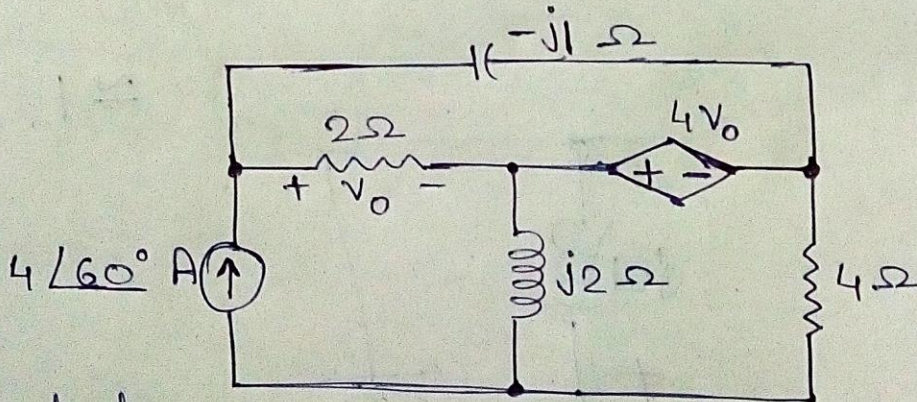
Find the average power delivered to the 2Ω resistor.

Q2



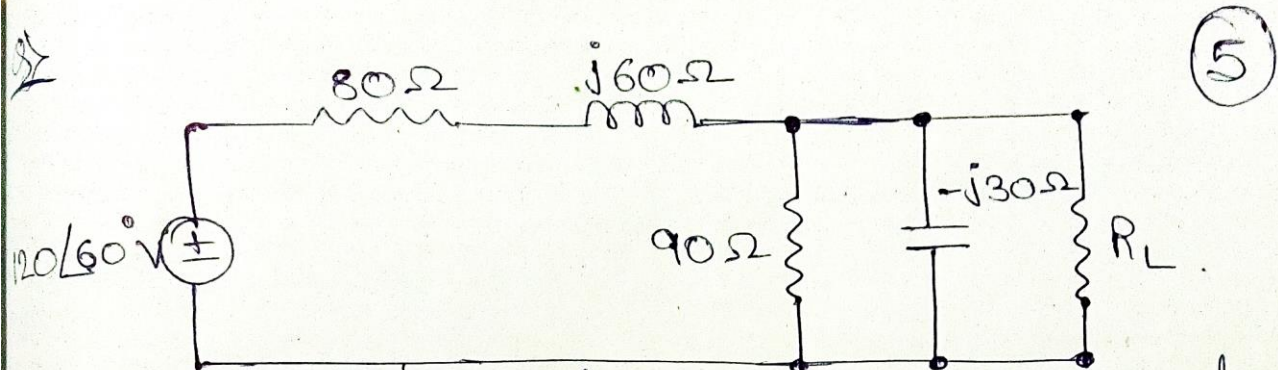
In the circuit for series resonance, find the value of coupling coeff. K .

Q3



Compute the average power absorbed by the 2Ω and 4Ω resistor in the circuit (manually). Plot the average power in LT Spice :-

- a) For 2Ω and 4Ω resistor
- b) Sweep the values of resistor from 1Ω to 10Ω .



calculate R_L and the maximum power absorbed by it when resistor ' R_L ' is adjusted until it absorbs the maximum average power.

