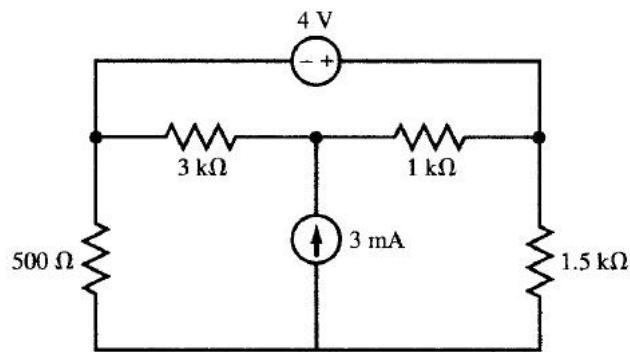


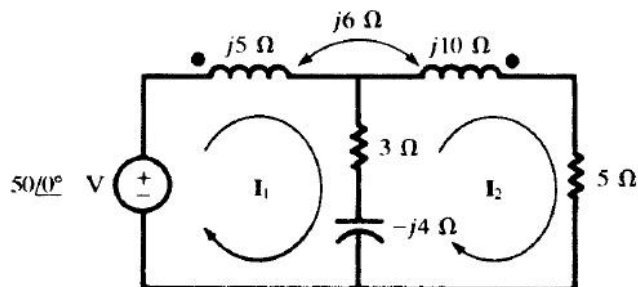
Assignment-I
Network Analysis

Q1.



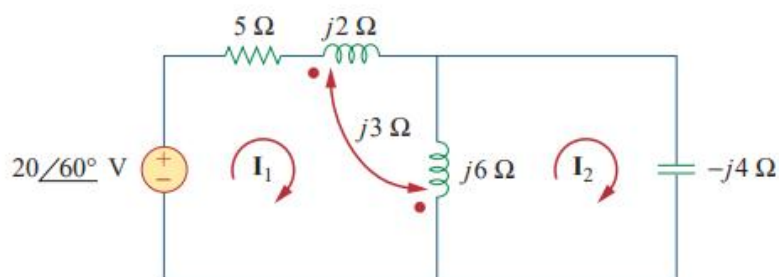
Solve the current in 500 ohm resistance applying superposition

Q2.



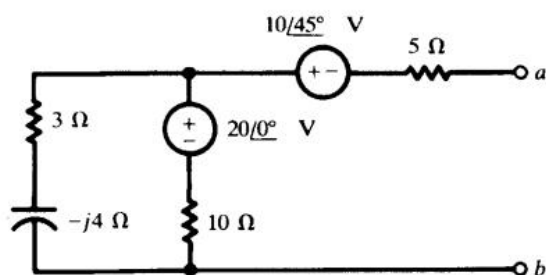
Solve the voltage across 3 ohm resistance shown

Q3.



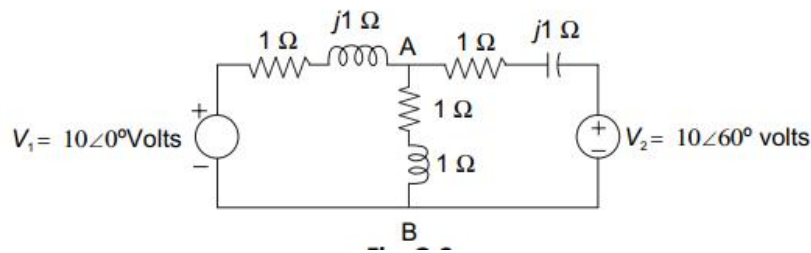
Solve the current I_1 & I_2 from the circuit shown

Q4.



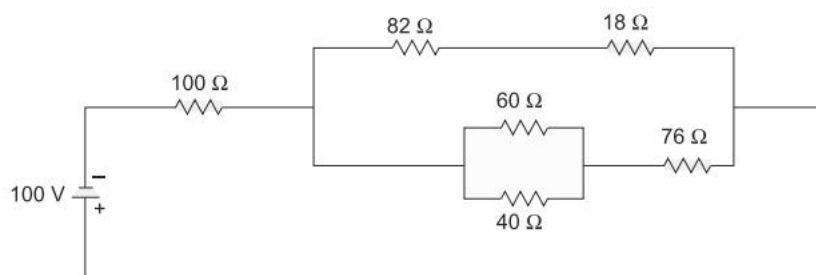
Develop Norton equivalent of the circuit shown across load terminal a-b.

Q5.



Determine the current in the $(1 + j1)$ across A, B of the network shown using superposition theorem.

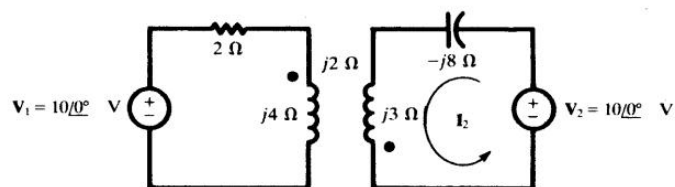
Q6.



Determine the current in the resistance of 76 ohm as shown

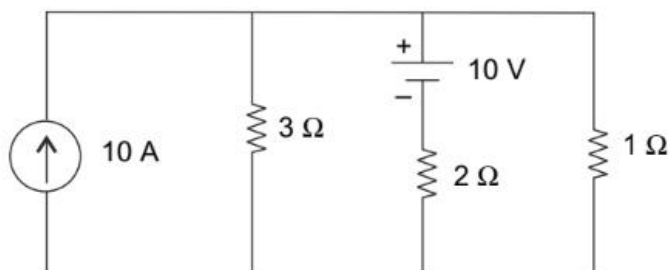
Q7.

Solve the value of current I_1 & I_2 from the circuit shown .



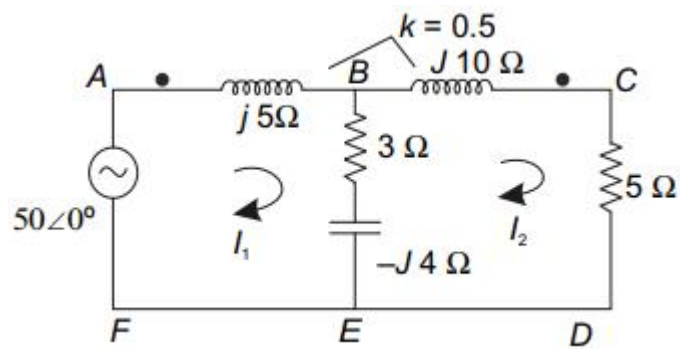
Q8.

For the circuit shown. Solve the value of current in 2 ohm resistance .

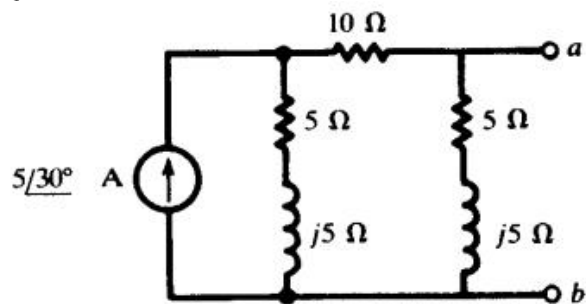


Q9.

Solve the value of voltage across 5 ohm shown in.



Q10.



Develop the Thevenin's equivalent circuit across a-b terminal shown. Explain the condition for maximum power transfer.