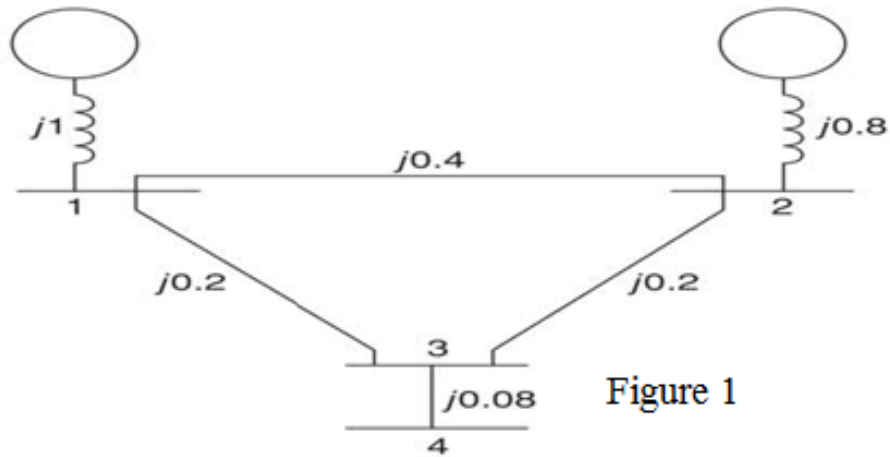
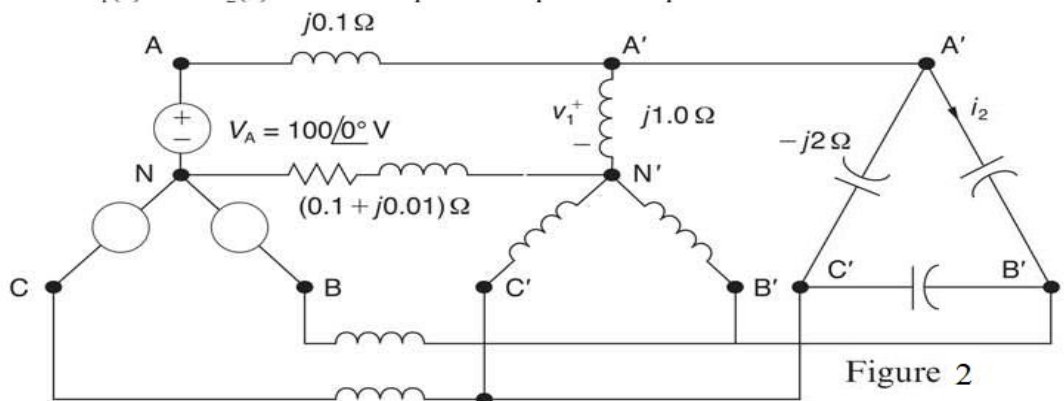


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 EE 324 Power Systems Homework # 2

- 1- Given the impedance diagram of a simple system as shown in dal equa-
 Figure 1 , draw the admittance diagram for the system and develop the not solve
 4×4 bus admittance matrix Y_{bus} by inspection.



- 2- Consider the balanced three-phase system shown in Figure 2 . Deter-
 mine $v_1(t)$ and $i_2(t)$. Assume positive phase sequence.



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