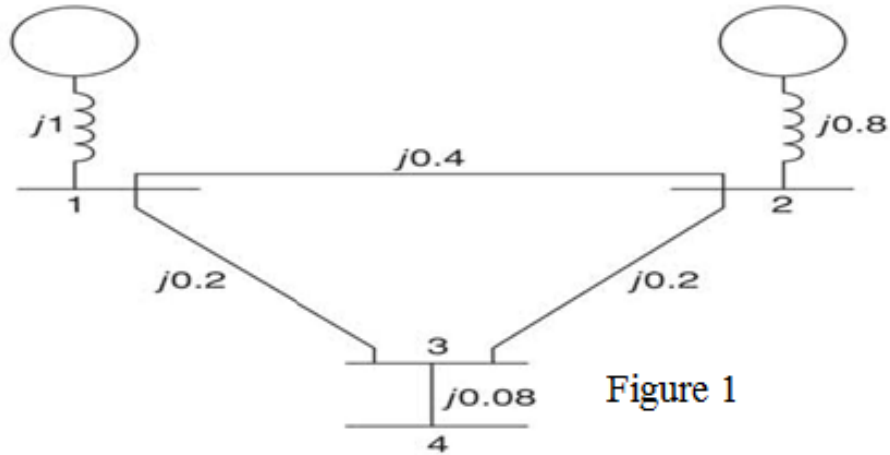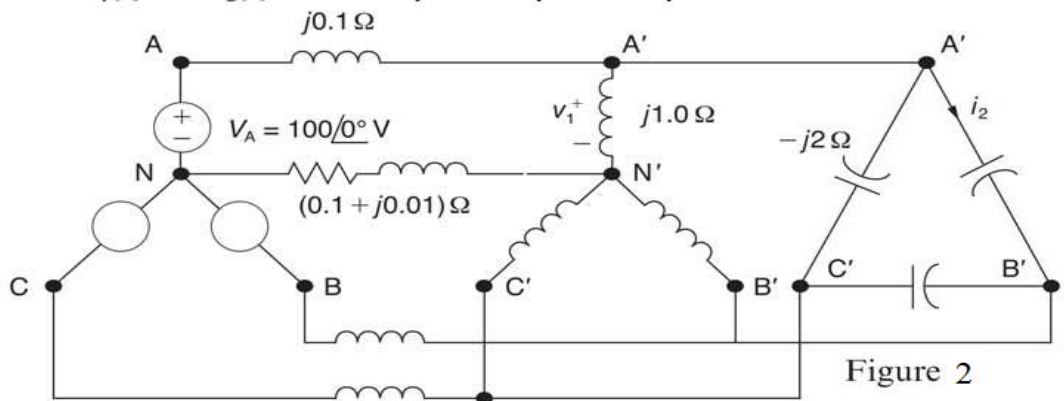1-

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.

Figure 1

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

2-

Figure 2

Consider the balanced three-phase system shown in Figure 3   . Deter-
mine $v_1(t)$ and $i_2(t)$. Assume positive phase sequence.

3-

Figure 3

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