

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

ELECTRICAL ENGINEERING DEPARTMENT

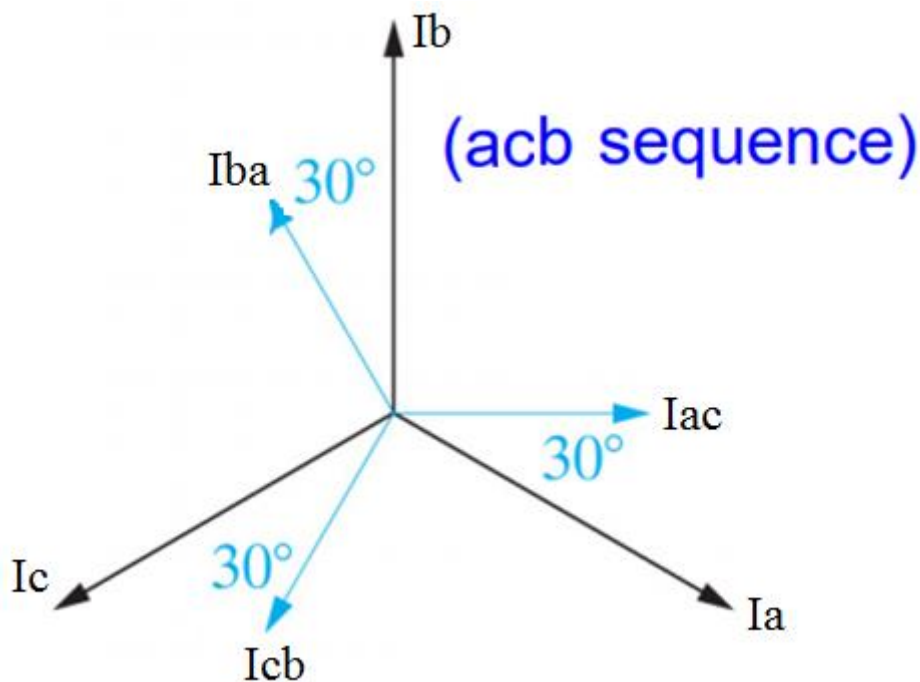
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EE-306

Key Solution

Quiz 1 Sec.: 4 I.D.: Ser#: Name:

Q.1 The phasor diagram below is for a delta-connected load. Write on the figure itself the proper current label for each line and phase current. (Use I_{xx} for phase currents and I_x for line currents) (6-points)



Q.2 In a delta source directly connectd a Y-connected inductive-load, the (4-points)

- a. phase-current of the source definitely lags the phase-current of the load.
- b. phase-current of the source definitely leads the phase-current of the load.
- c. phase-current of the source is in-phase of the phase-current of the load.