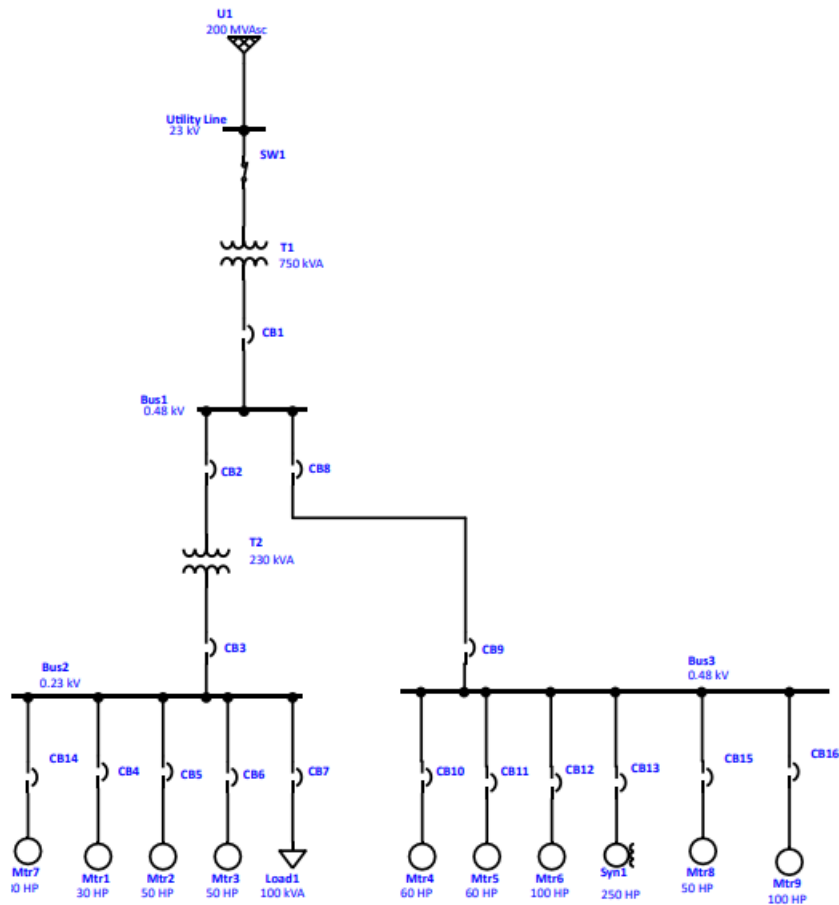


QUIZ

ELECTRICAL SYSTEM DESIGN AND ILLUMINATION ENGINEERING



The task is to:

- 1) Determine Motor parameters: (I_{FLA} , I_{LRA} , I_{NPA})
- 2) Select Branch Circuit Conductors ($1.25 I_{FLA}$);
- 3) Select Feeder Conductors ($1.25 I_{FLA}$ + remaining I_{FLA});
- 4) Select Branch Feeder Short-Circuit Protection (Refer to PEC and NEC);
- 5) Select Feeder Short-Circuit Protection (Largest Device + Remaining I_{FLA});
- 6) Select Disconnecting Means ($1.15 I_{FLA}$); and,
- 7) Select Overload Protection (Use I_{NPA} , if I_{NPA} not available, use I_{FLA}).

Consider that all connected motors are letter-coded as G, except for motors less than 50 HP which is A. Refer to the Tables from PEC/ NEC for the values.