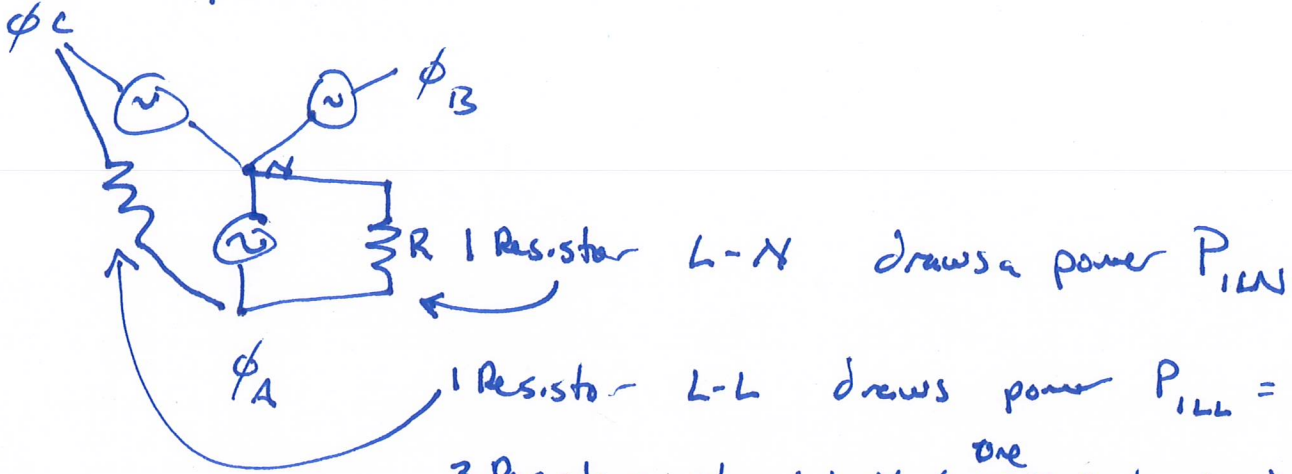


# Day 7 recap

for 3  $\phi$  WYE

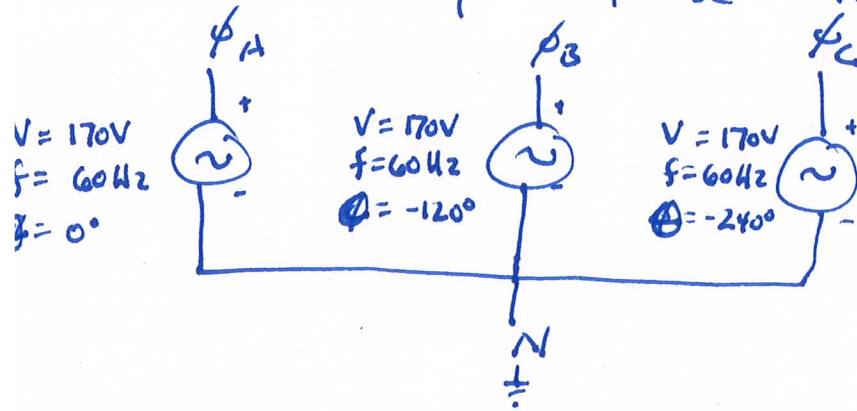


1 Resistor L-L draws power  $P_{LL} = 3P_{LN}$

3 Resistors placed L-N (across each phase) <sup>one</sup> draws power  $P_{3LN} = 3P_{LN}$  } Balanced load example

3 Resistors placed L-L (one across each pair of phases) draws power  $P_{3LL} = 9P_{LN}$  } alternate Balanced load example.

L T spce friendly 3 phase WYE  $V_{LN} = 120V_{rms}$



3 phase  $\Delta$   $V_{LL} = 240V_{rms}$ , no corner grounded

