

IN-CLASS ASSIGNMENT

1. Given the circuit from Lab #10, calculate the efficiency of the circuit for the case of no power factor correction capacitors and then for when the capacitors are inserted.
2. Run the simulation again, but this time with the Y-connected capacitors reconnected in an equivalent delta. Print out the schematic with the meter readings confirming that we are still at unity power factor.
3. Finally, reconnect the Y-load in an equivalent delta and re-run the simulation. Print out the schematic to confirm that the power factor is still unity and that the same line current flows.

Have Lab #10 and this assignment ready to turn in on Monday, along with the FUN WORK assignment from Tuesday.