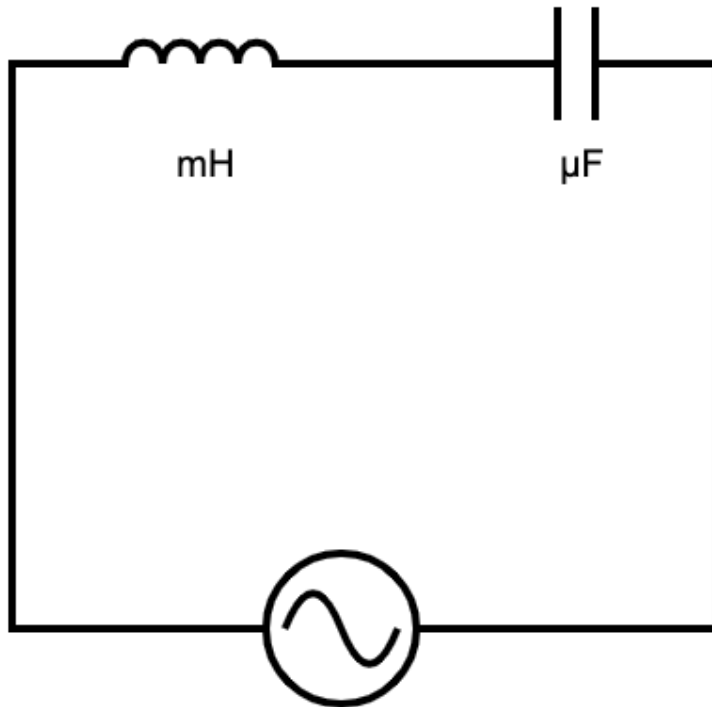


LC Circuit Powered by AC

Step 1: Fill in the voltage and frequency of the power supply, the Inductance of the inductor, and the capacitance of the capacitor



Step 2: Neatly calculate the impedance of the capacitor and the impedance of the inductor for this frequency.

Step 3: Calculate the effective impedance of the circuit. Show your work below.

Step 3: Calculate the frequency that will maximize the current in the circuit. Enter your answers into your program to check that you did everything properly