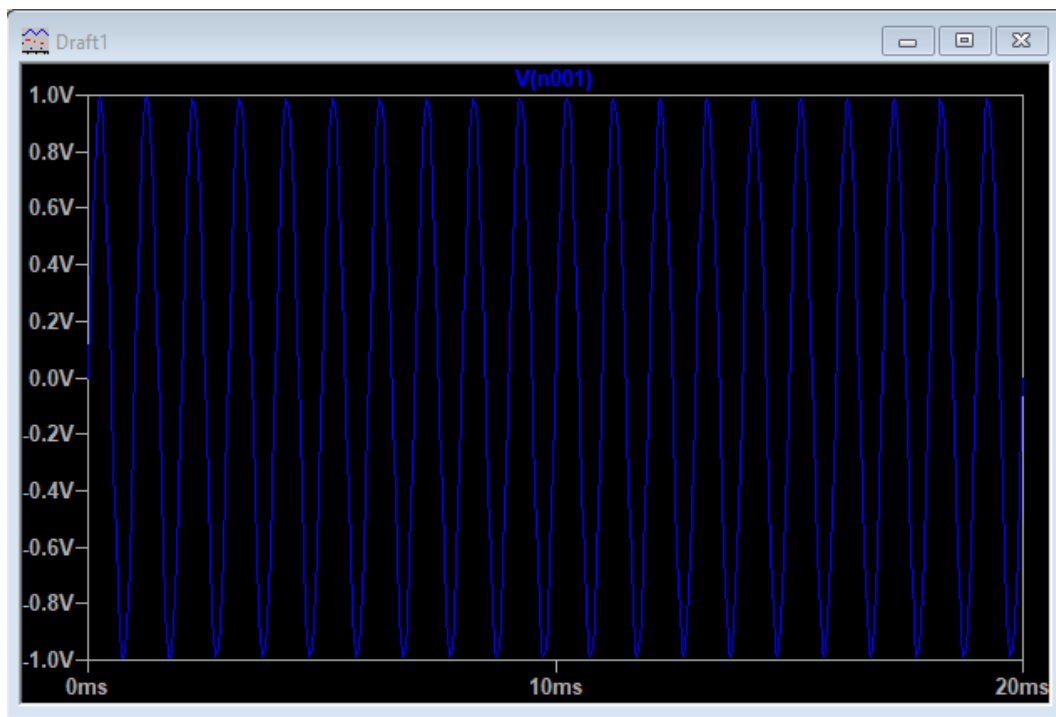Before Capacitor (100 OHMs):

After Capacitor (100 OHMs):