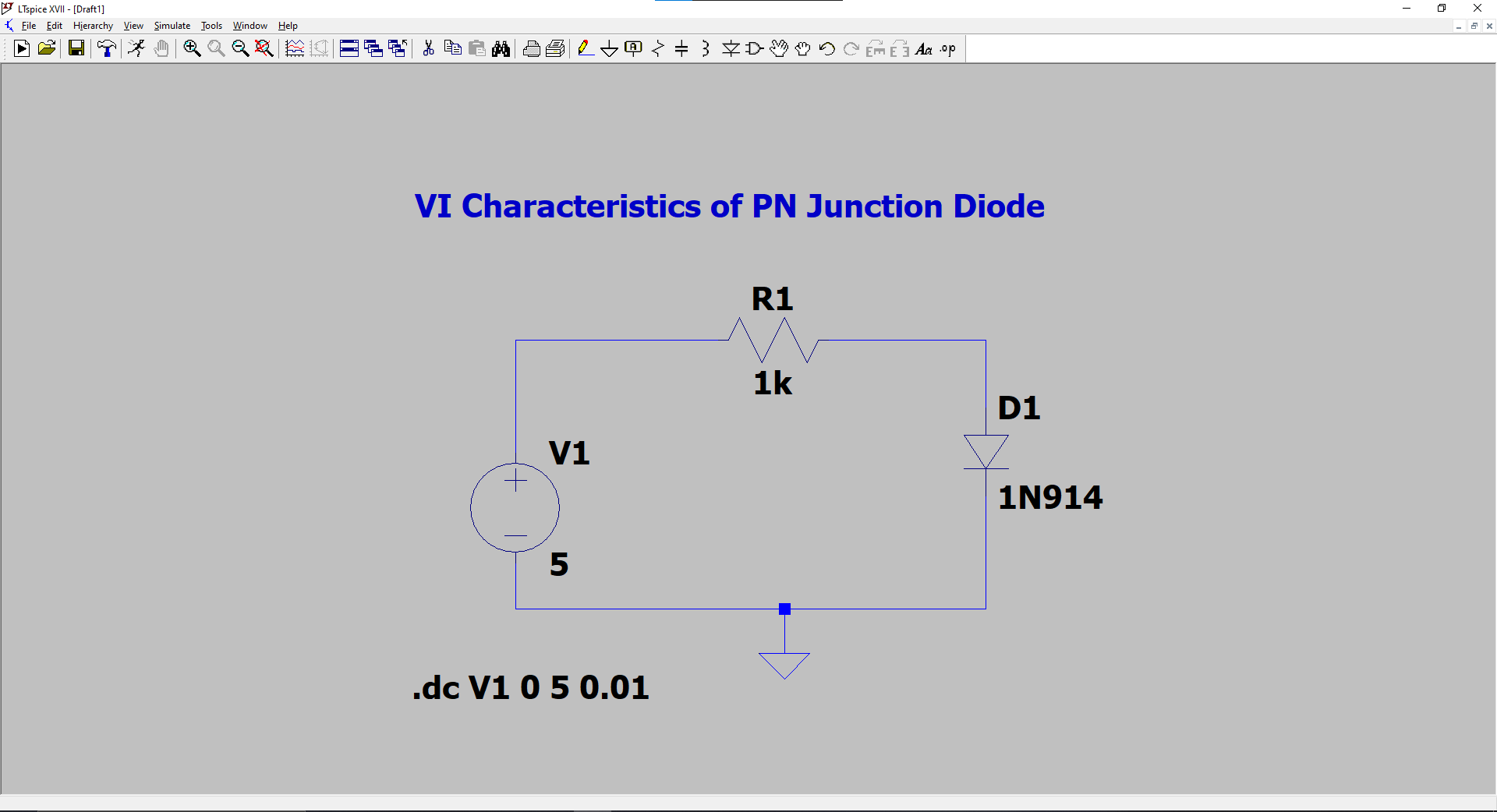
18ECC102J – ELECTRONIC DEVICES LABORATORY

CIRCUIT OUTPUTS

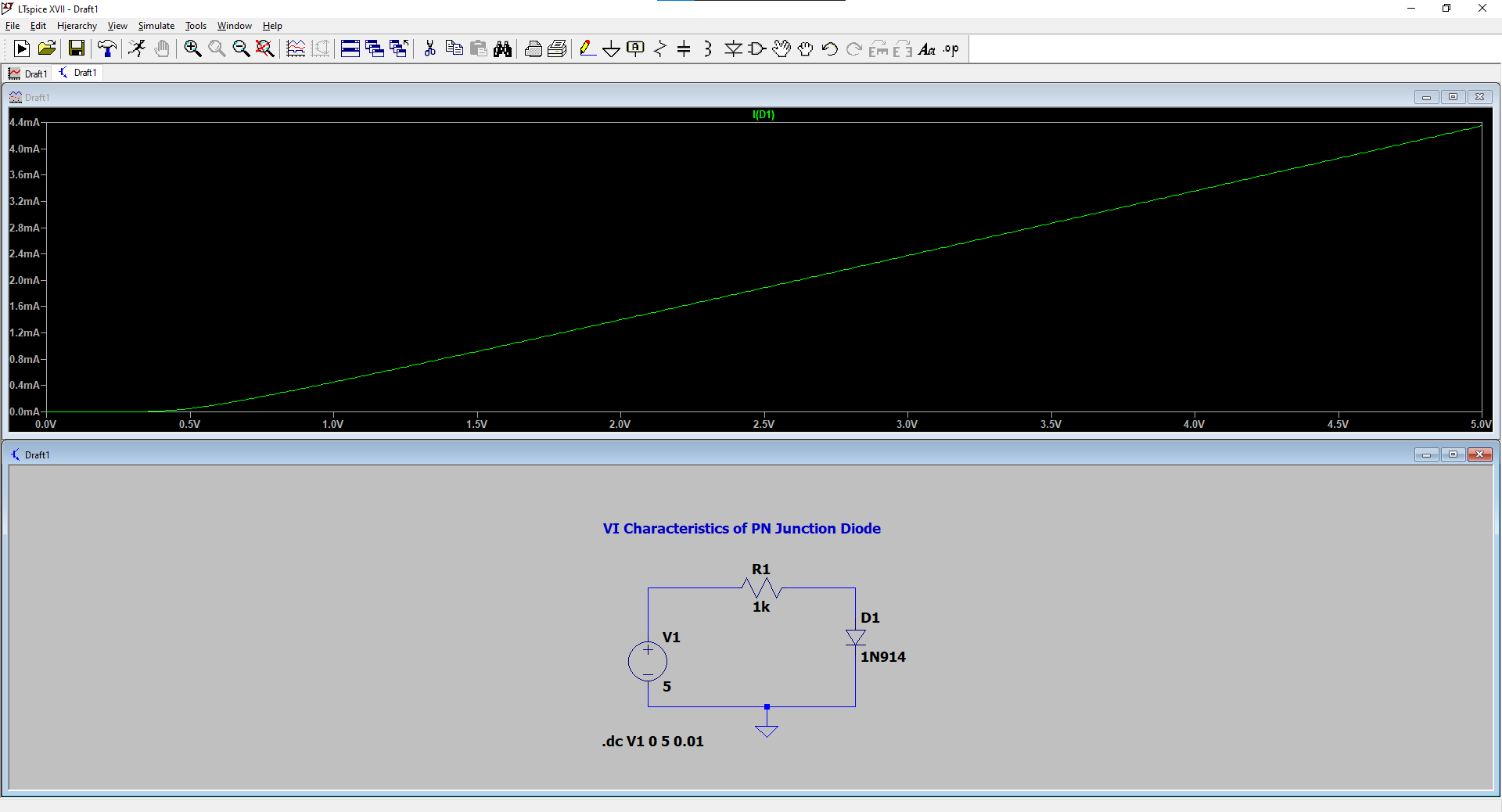
EXPERIMENT 1

VI CHARACTERISTICS OF PN JUNCTION DIODE

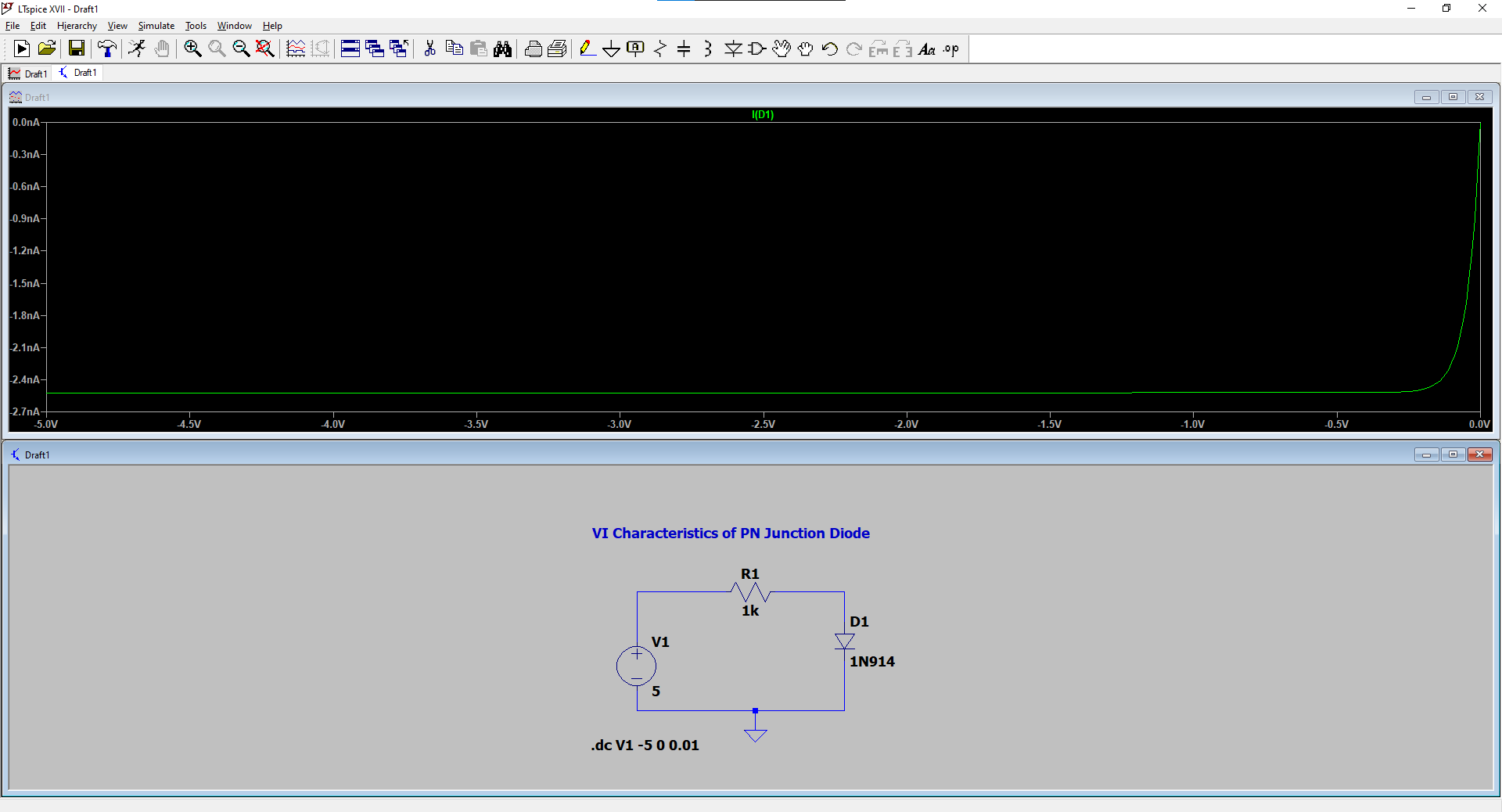
CIRCUIT DIAGRAM:



FORWARD BIAS CHARACTERISTICS:



REVERSE BIAS CHARACTERISTICS:



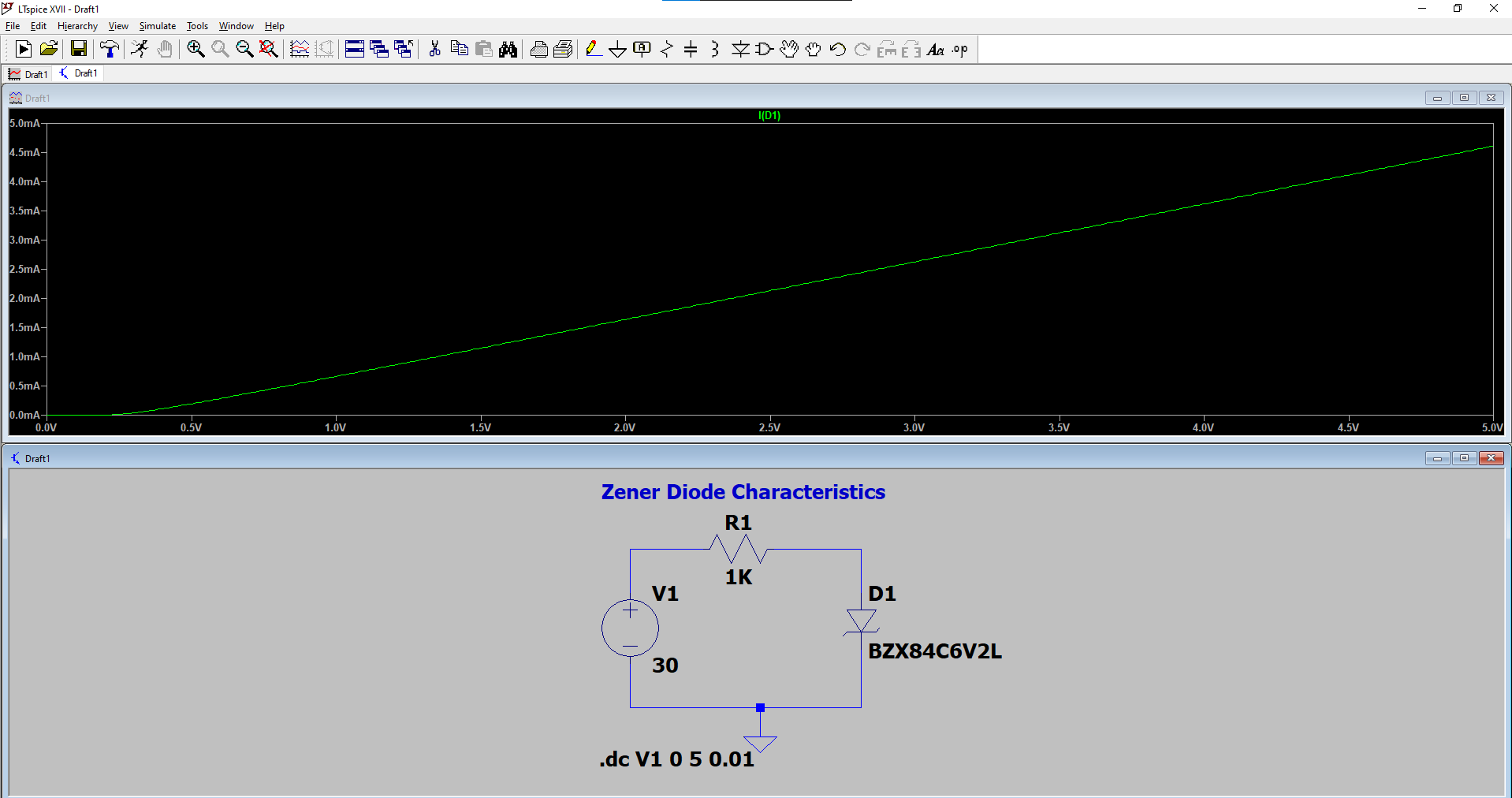
18ECC102J – ELECTRONIC DEVICES LABORATORY

CIRCUIT OUTPUTS

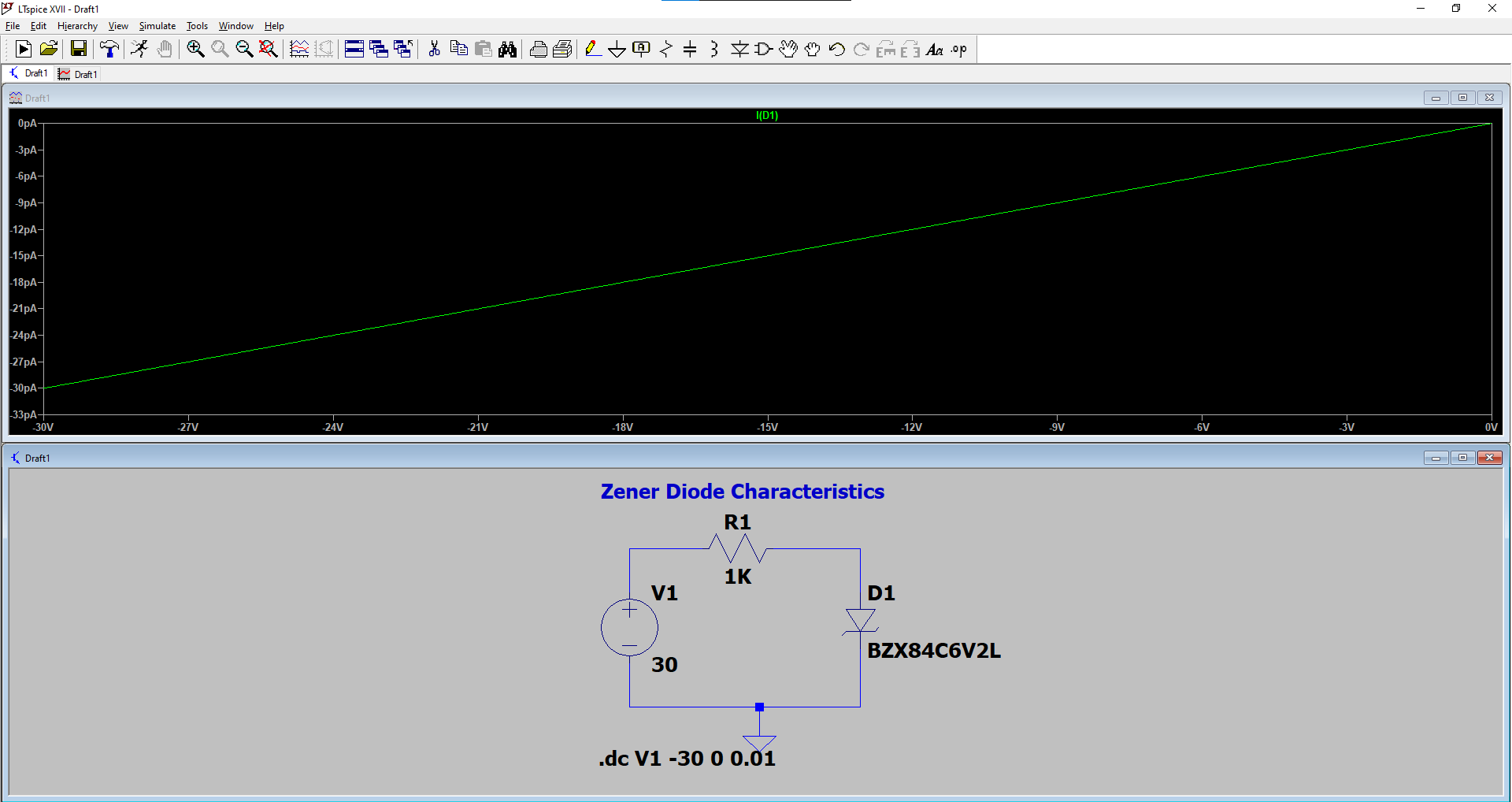
EXPERIMENT 2

ZENER DIODE CHARACTERISTICS

FORWARD BIAS CHARACTERISTICS:



REVERSE BIAS CHARACTERISTICS:



18ECC102J – ELECTRONIC DEVICES LABORATORY

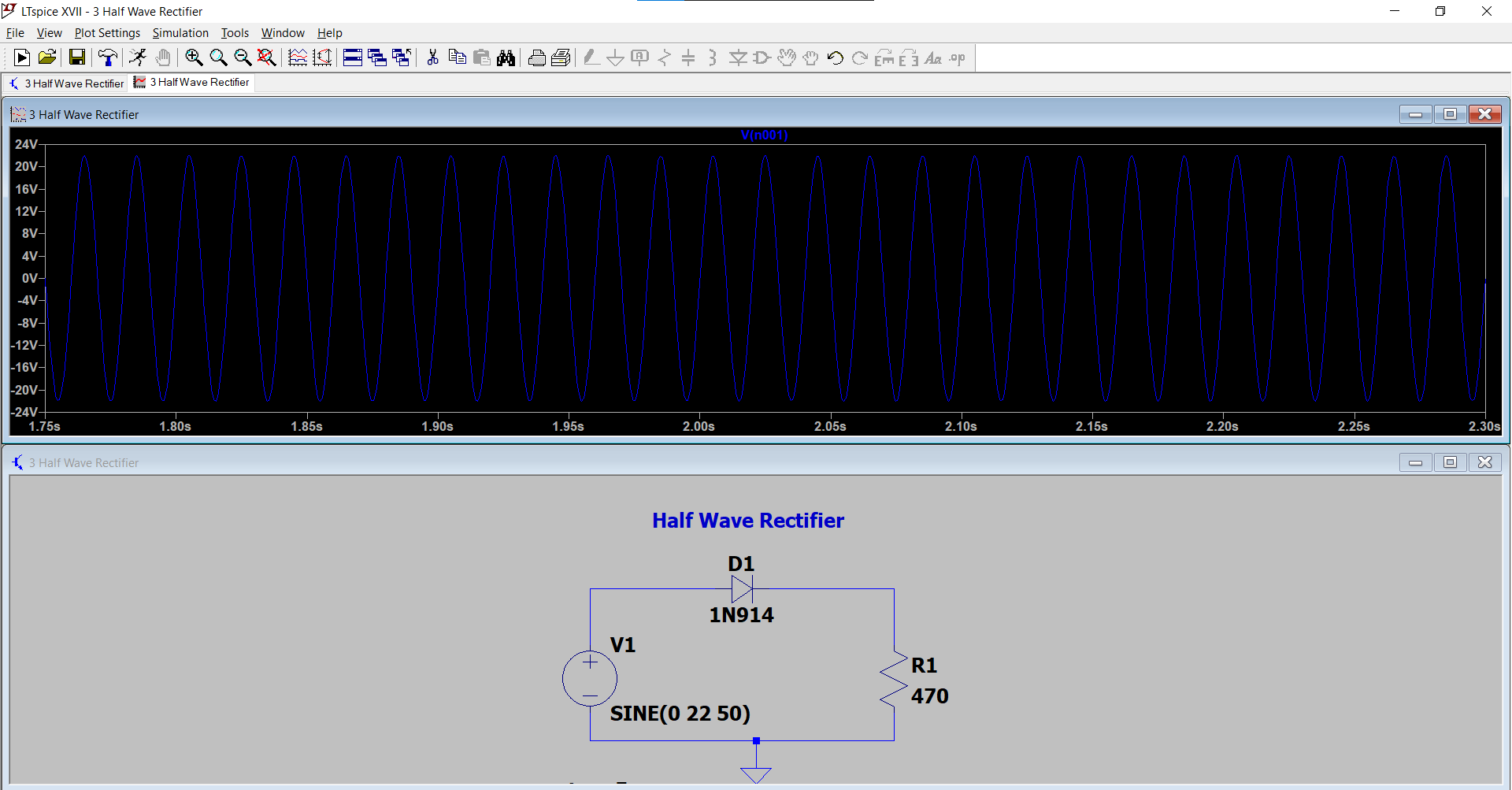
CIRCUIT OUTPUTS

EXPERIMENT 3

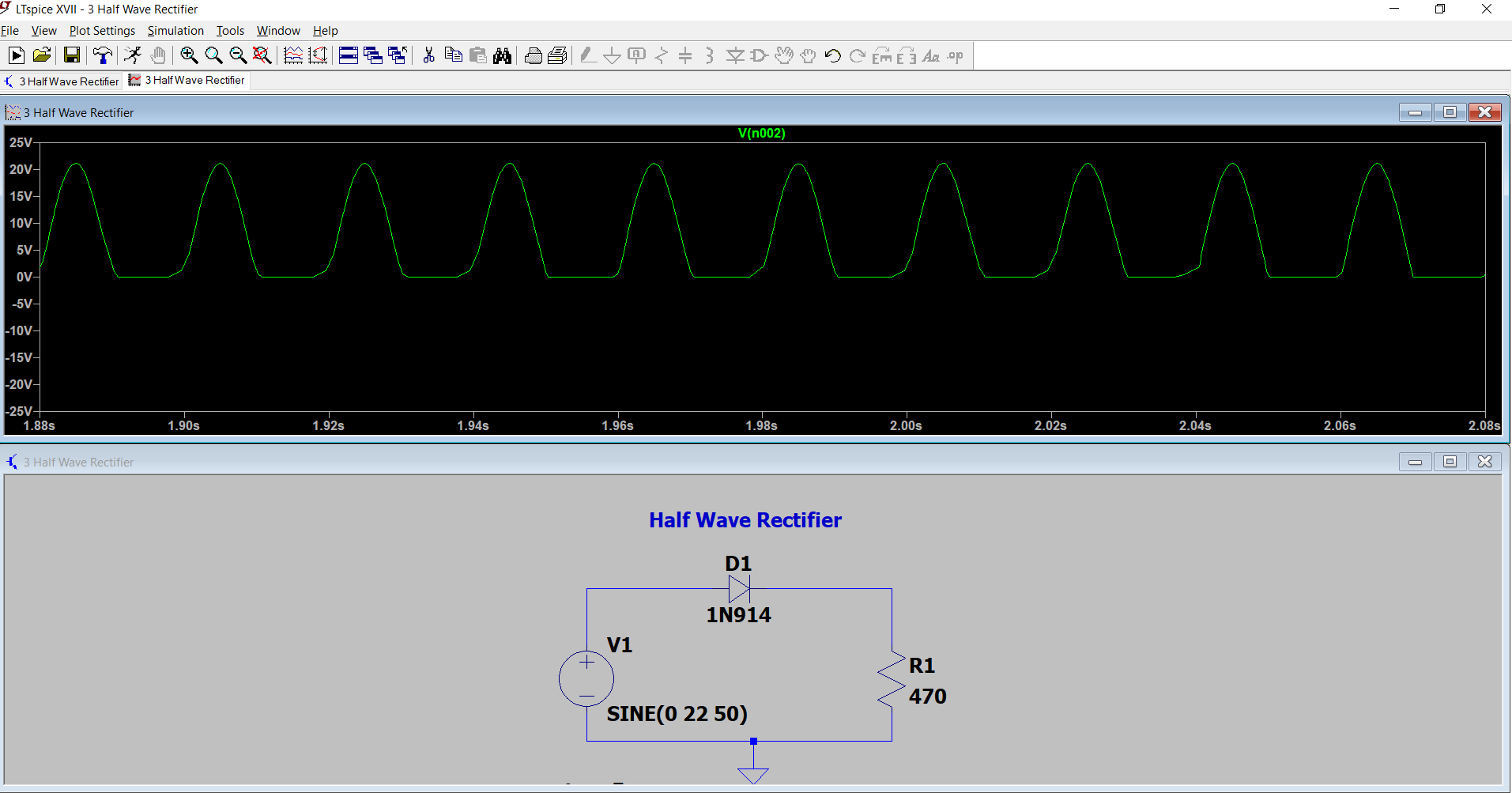
RECTIFIERS.

HALF WAVE RECTIFIER

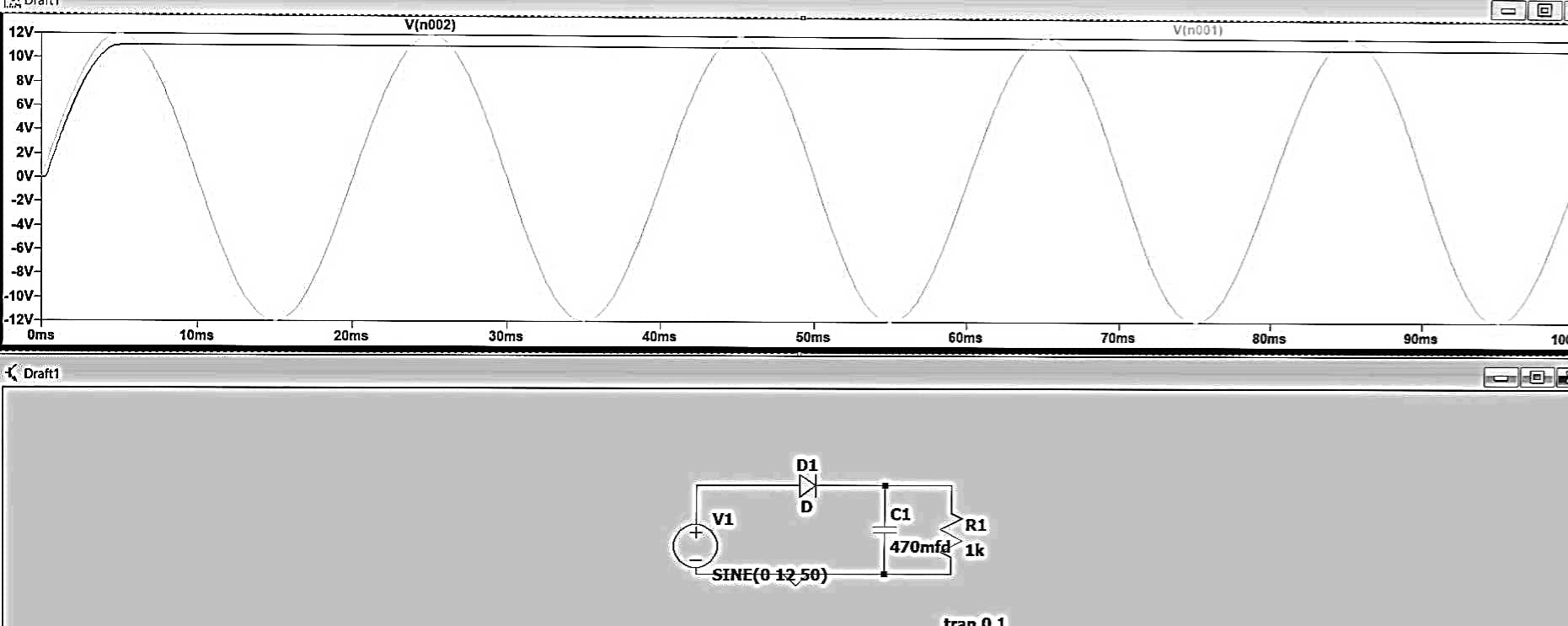
INPUT WAVEFORM:



OUTPUT WAVEFORM WITHOUT FILTER:

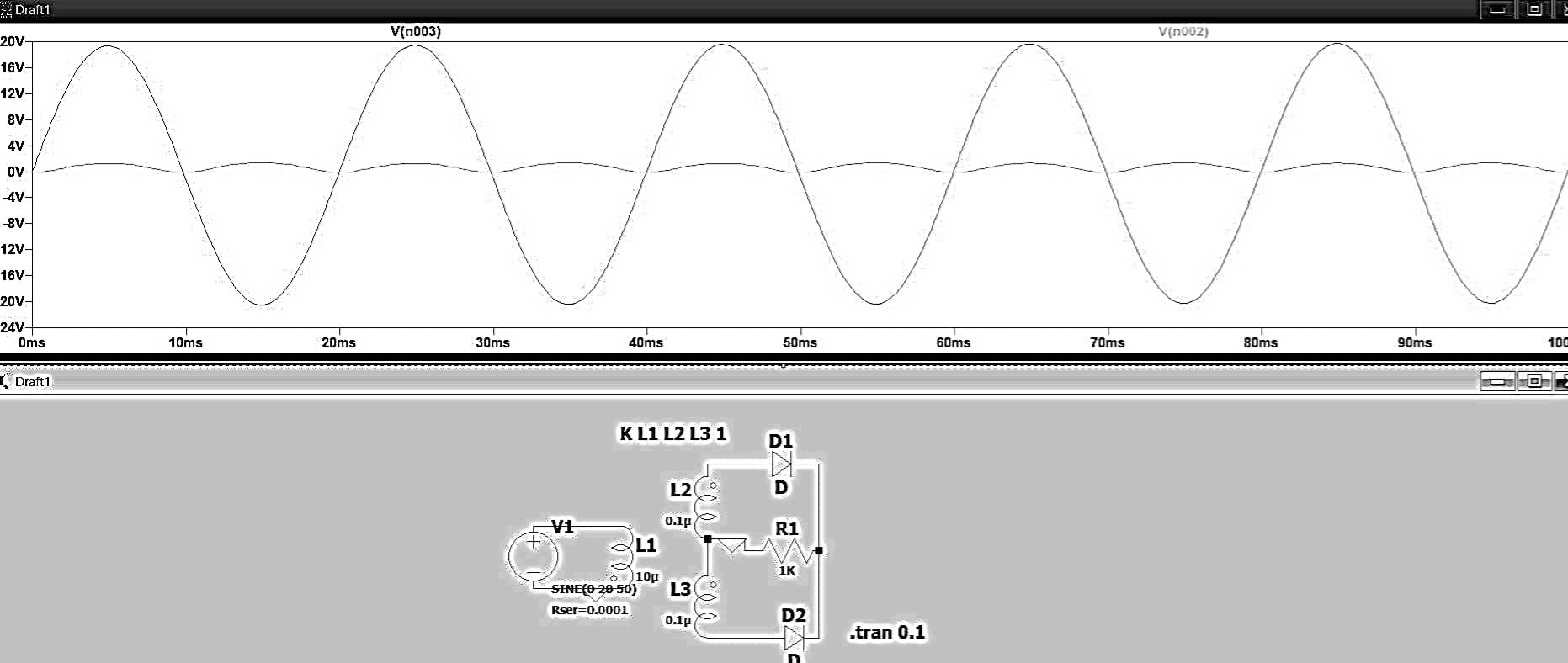


OUTPUT WAVEFORM WITH FILTER:

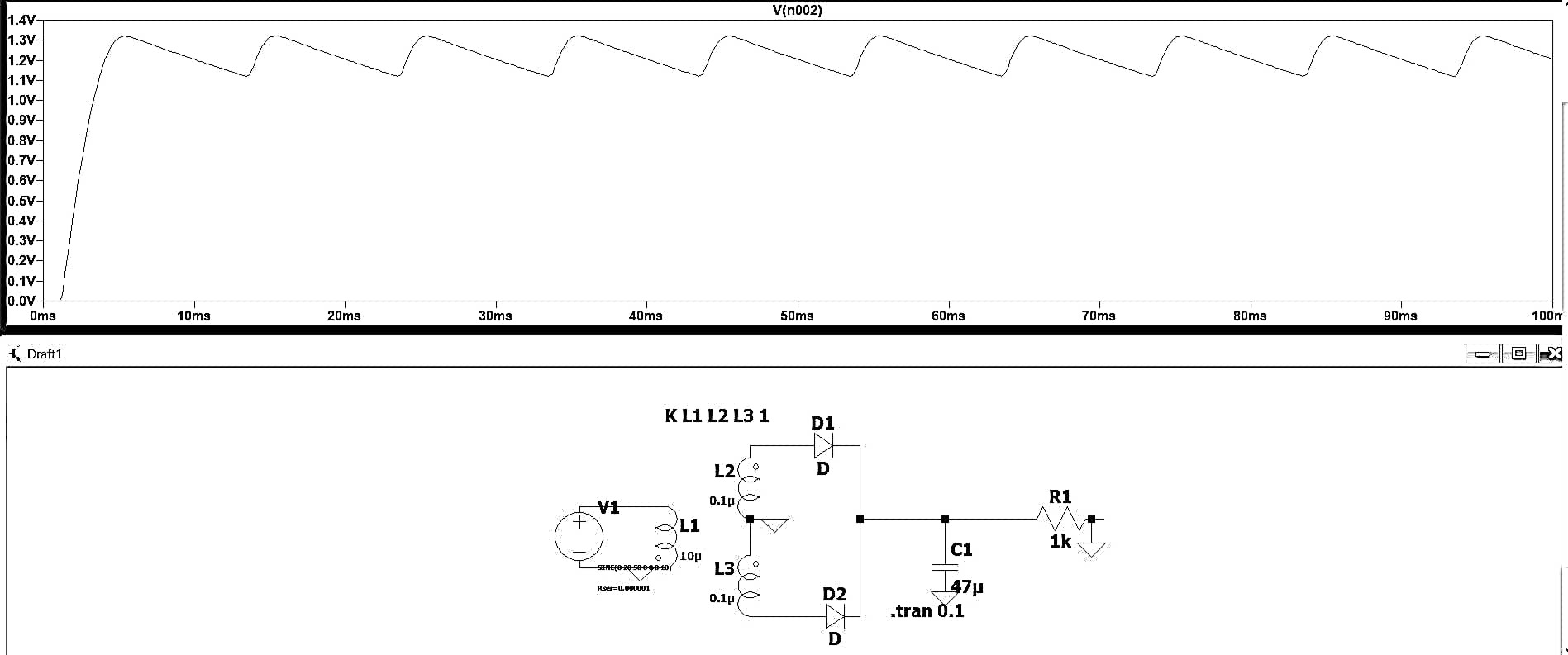


FULL WAVE RECTIFIER

OUTPUT WAVEFORM WITHOUT FILTER:

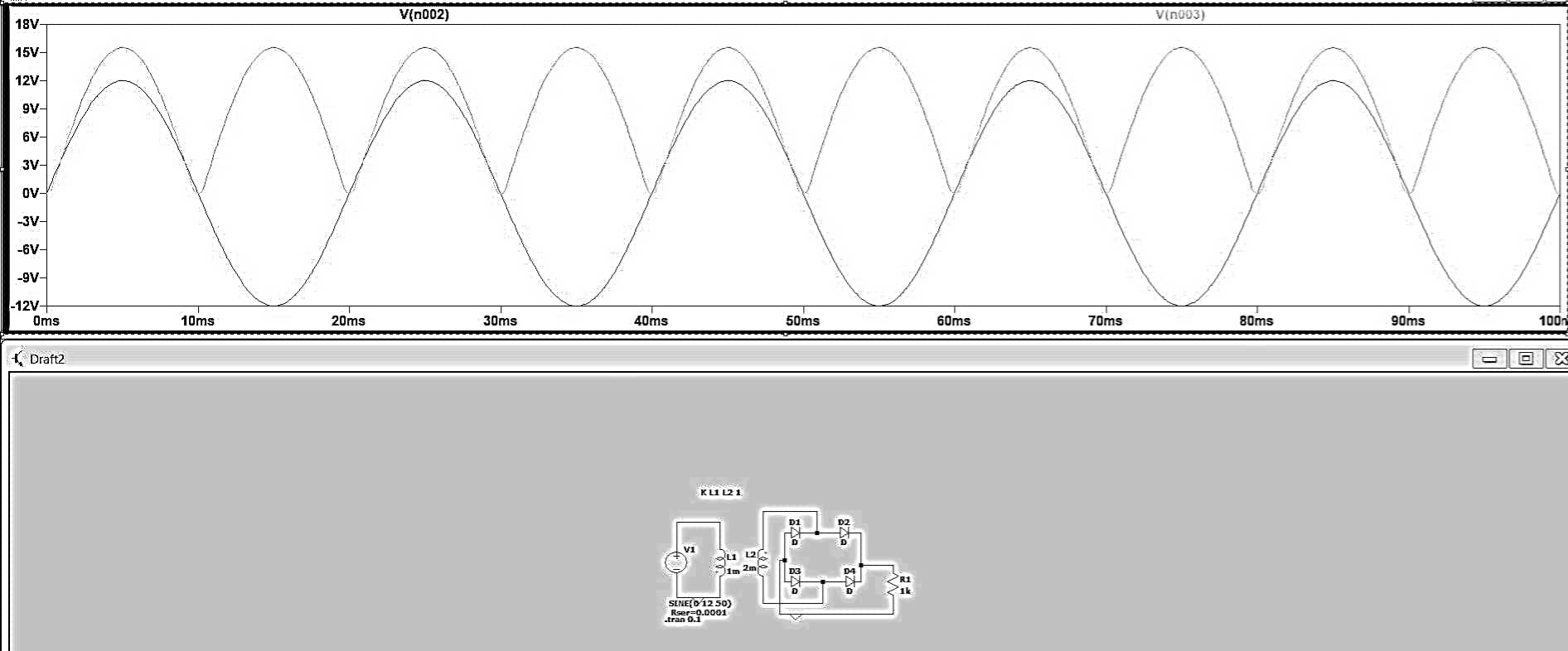


OUTPUT WAVEFORM WITH FILTER:



BRIDGE RECTIFIER

OUTPUT WAVEFORM WITHOUT FILTER:



OUTPUT WAVEFORM WITH FILTER:

