

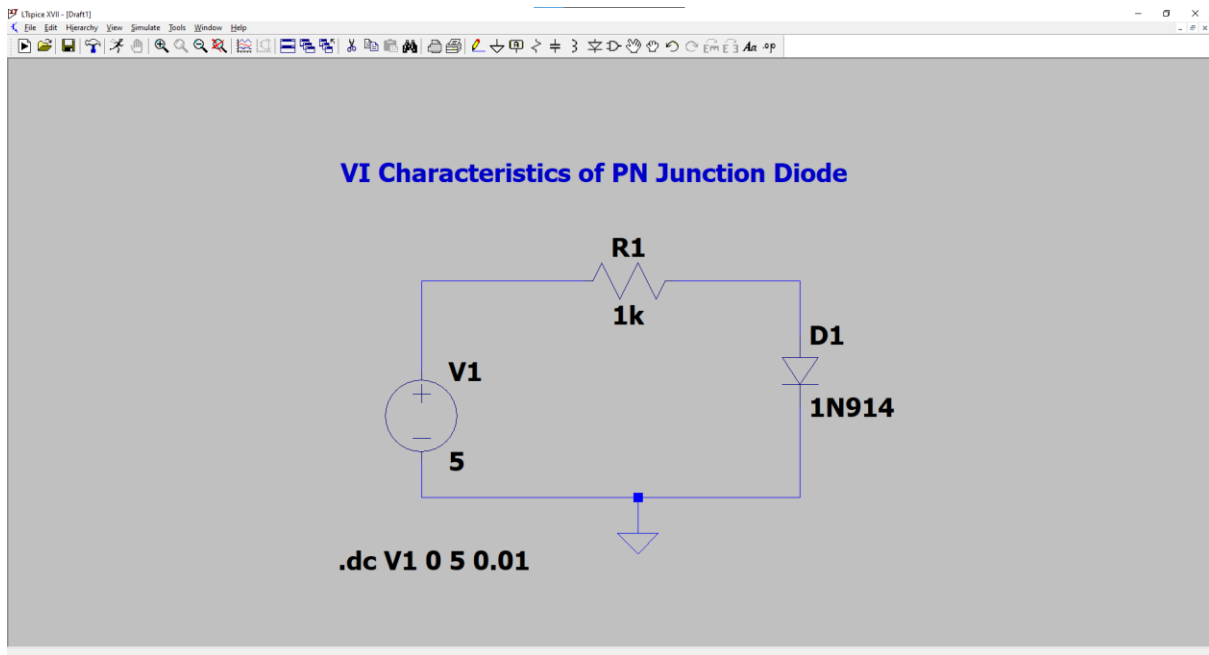
18ECC102J – ELECTRONIC DEVICES LABORATORY

CIRCUIT OUTPUTS

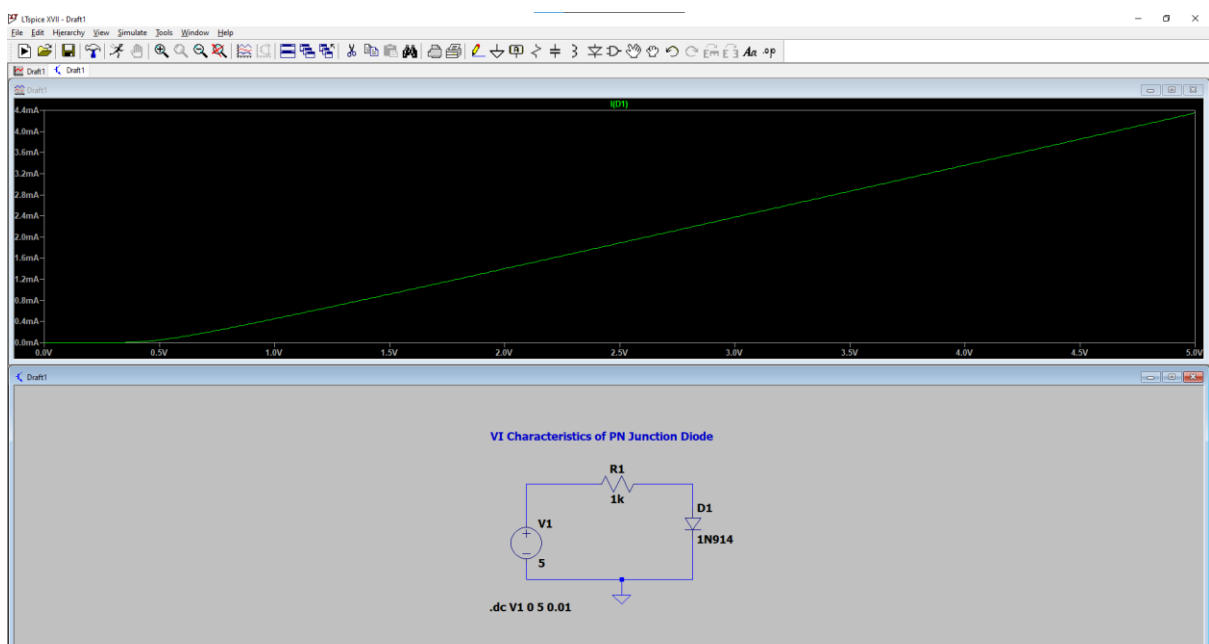
EXPERIMENT 1

VI CHARACTERISTICS OF PN JUNCTION DIODE

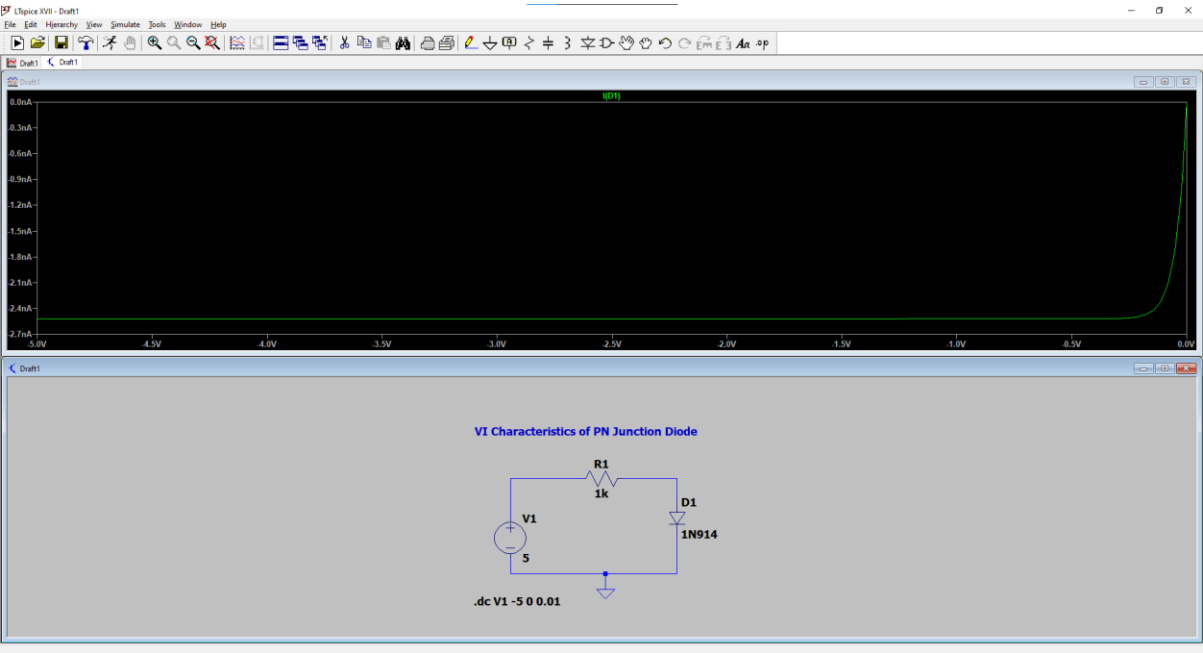
CIRCUIT DIAGRAM:



FORWARD BIAS CHARACTERISTICS:



REVERSE BIAS CHARACTERISTICS:



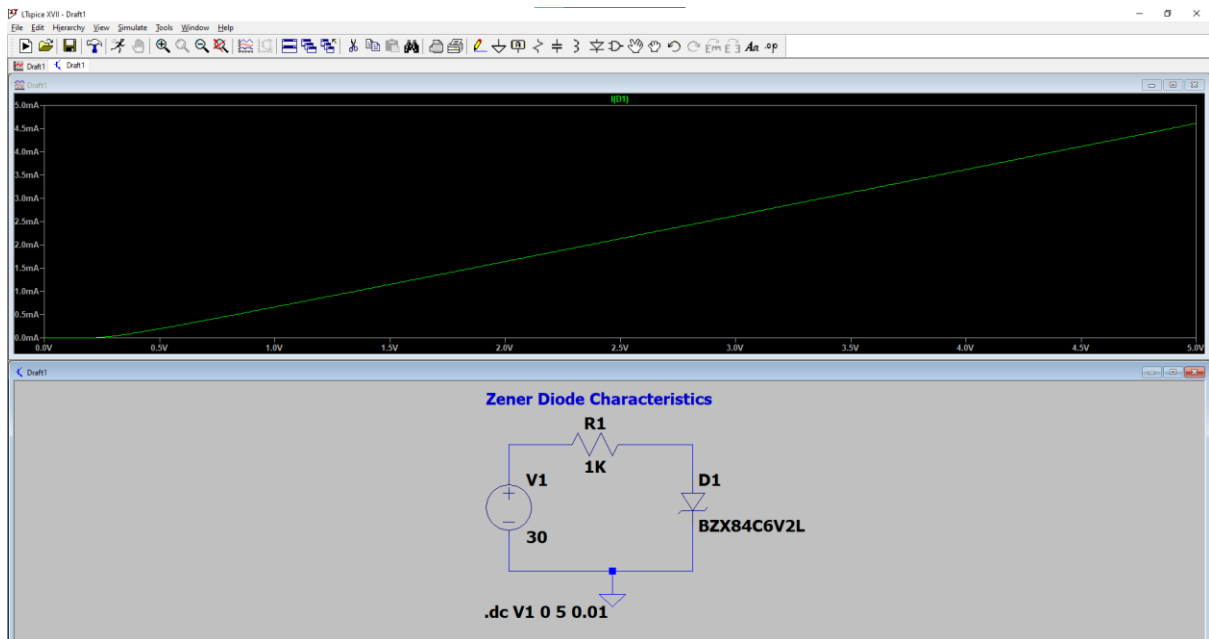
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CIRCUIT OUTPUTS

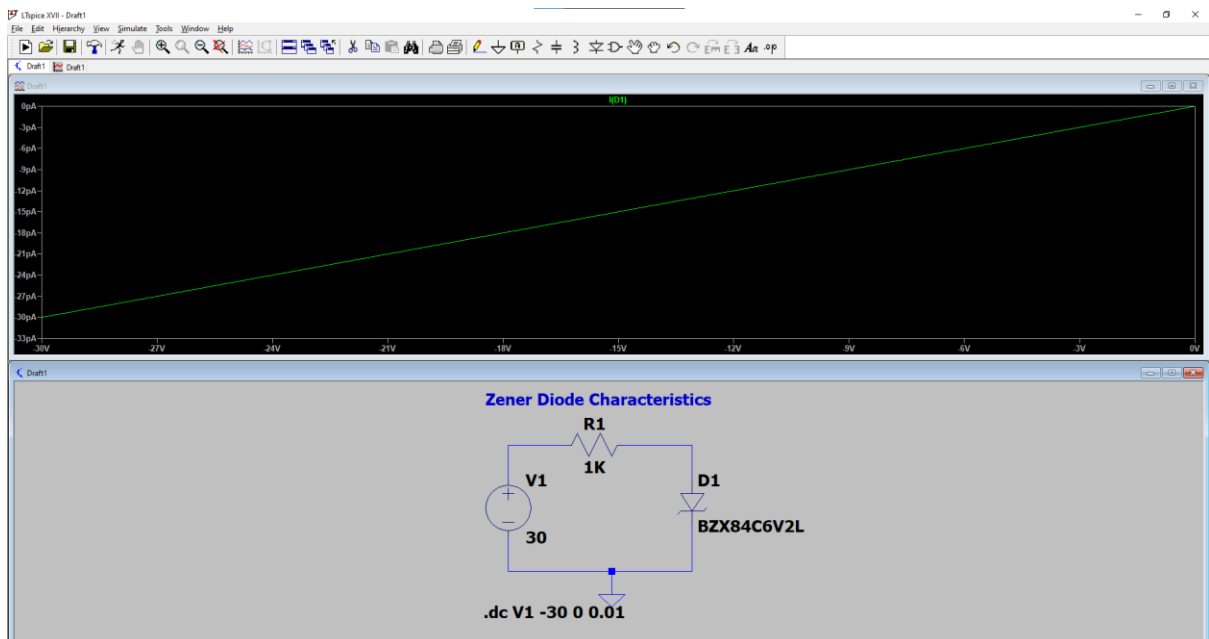
EXPERIMENT 2

ZENER DIODE CHARACTERISTICS

FORWARD BIAS CHARACTERISTICS:



REVERSE BIAS CHARACTERISTICS:



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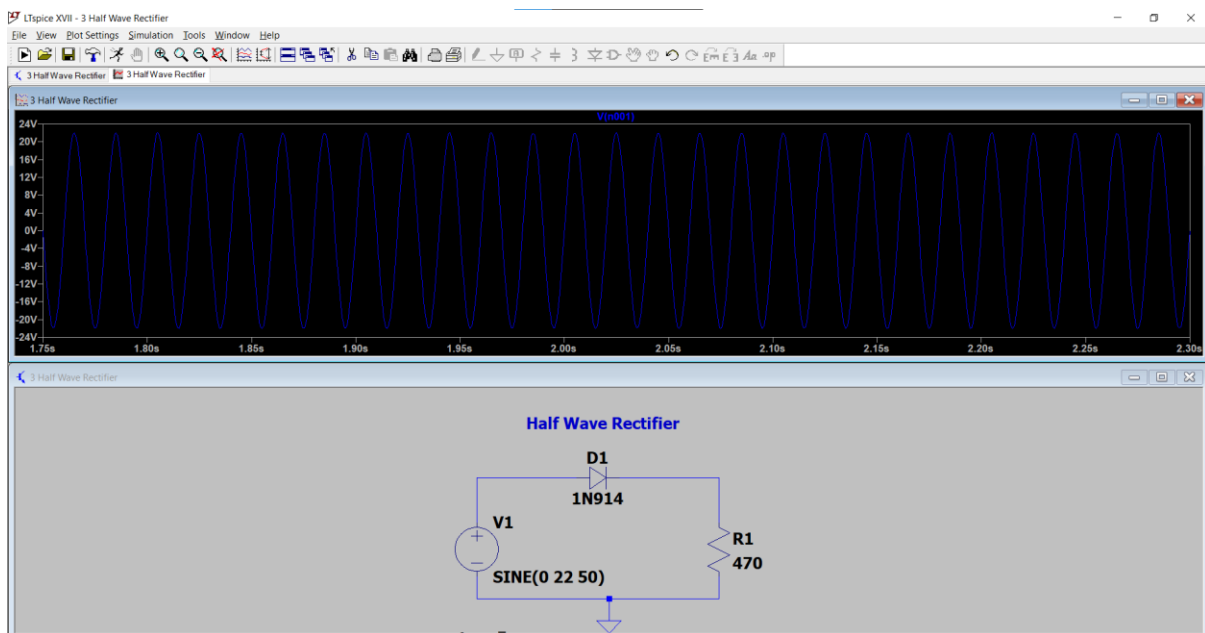
CIRCUIT OUTPUTS

EXPERIMENT 3

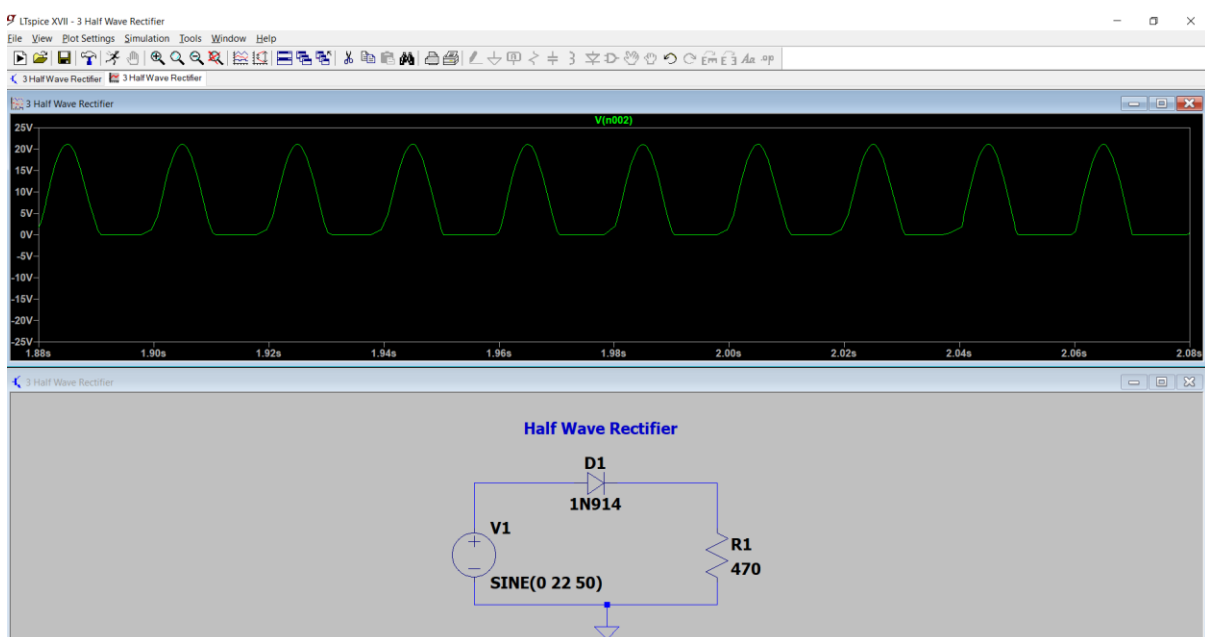
RECTIFIERS.

HALF WAVE RECTIFIER

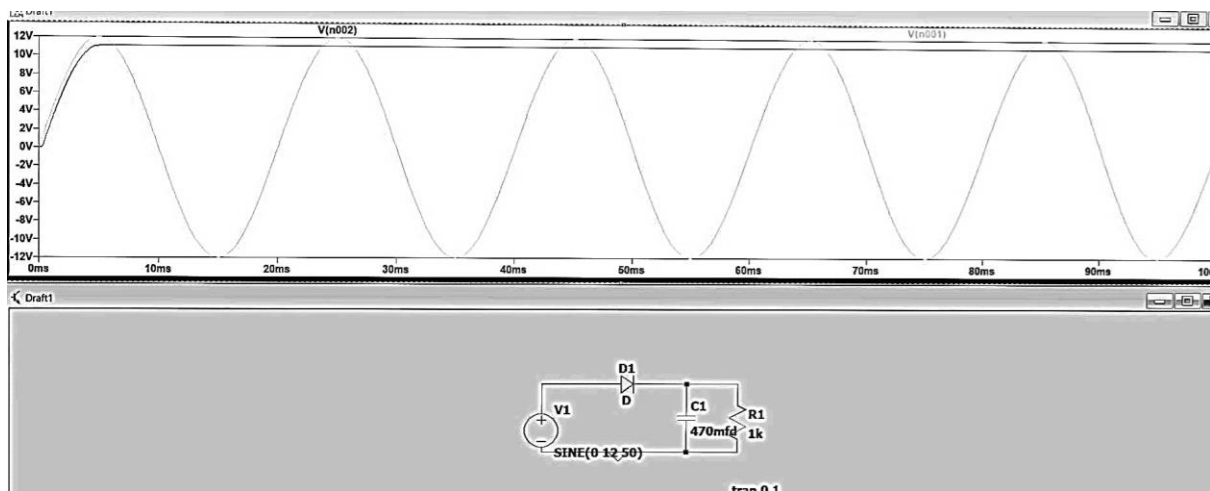
INPUT WAVEFORM:



OUTPUT WAVEFORM WITHOUT FILTER:

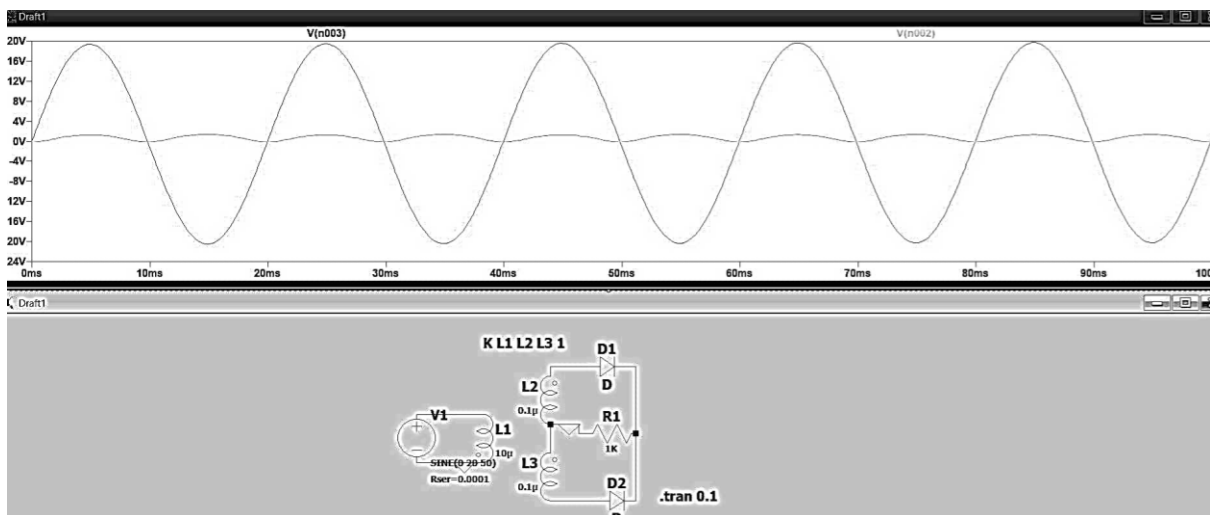


OUTPUT WAVEFORM WITH FILTER:

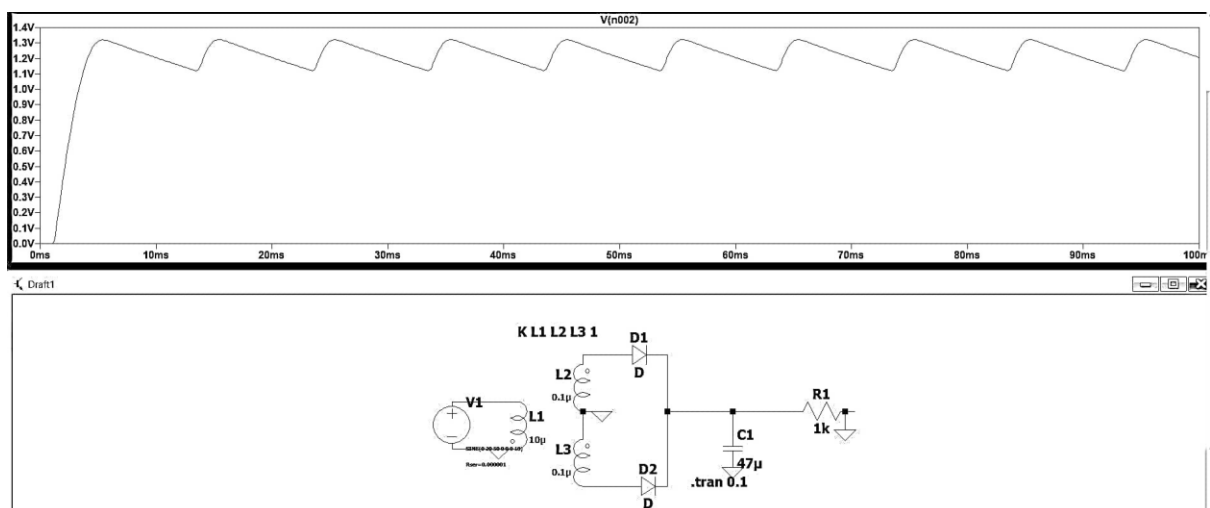


FULL WAVE RECTIFIER

OUTPUT WAVEFORM WITHOUT FILTER:

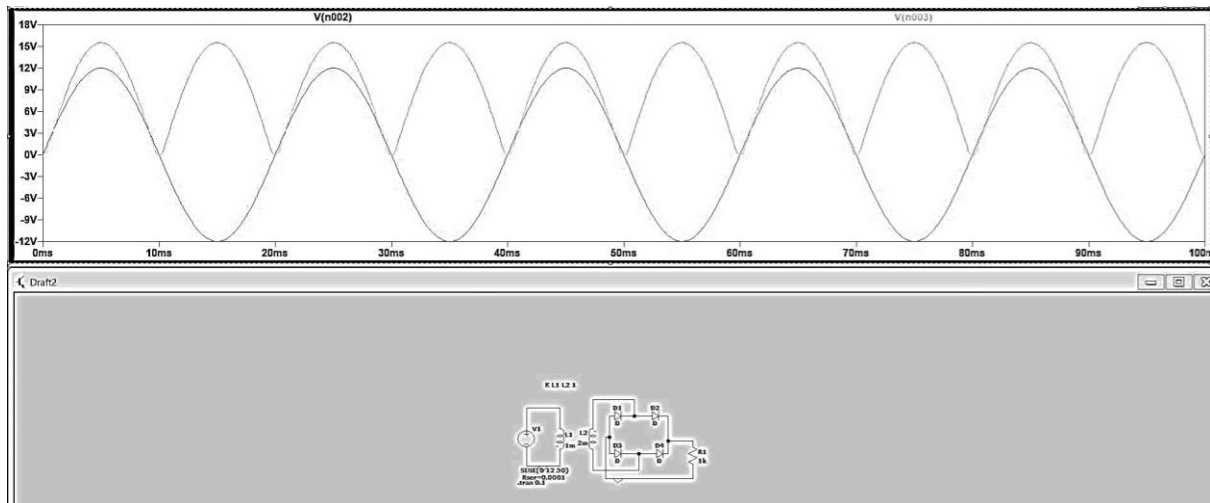


OUTPUT WAVEFORM WITH FILTER:

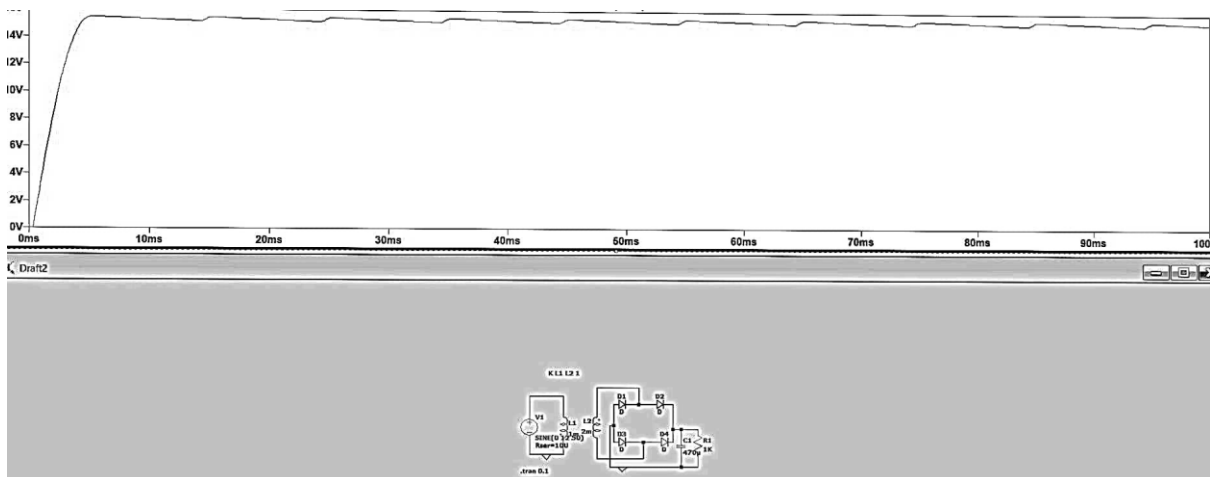


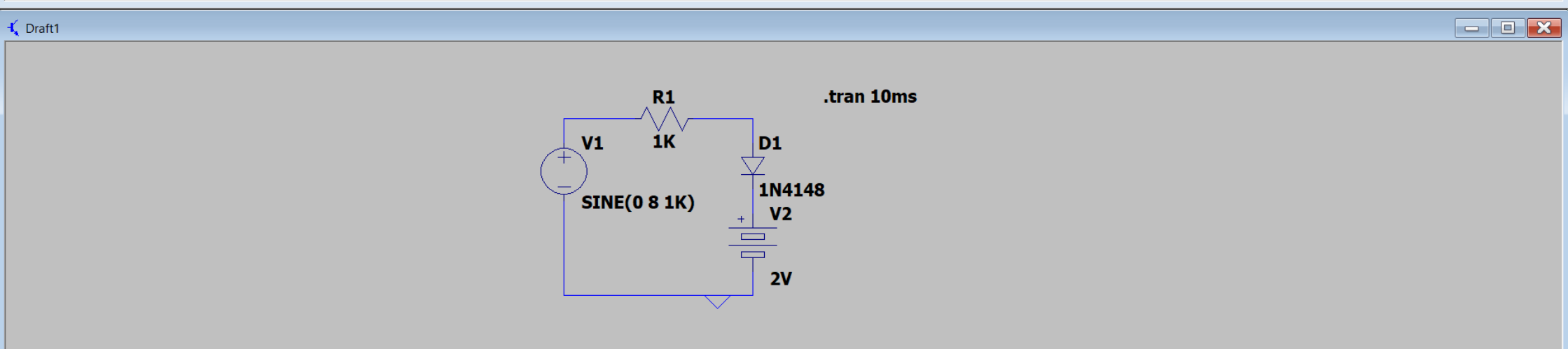
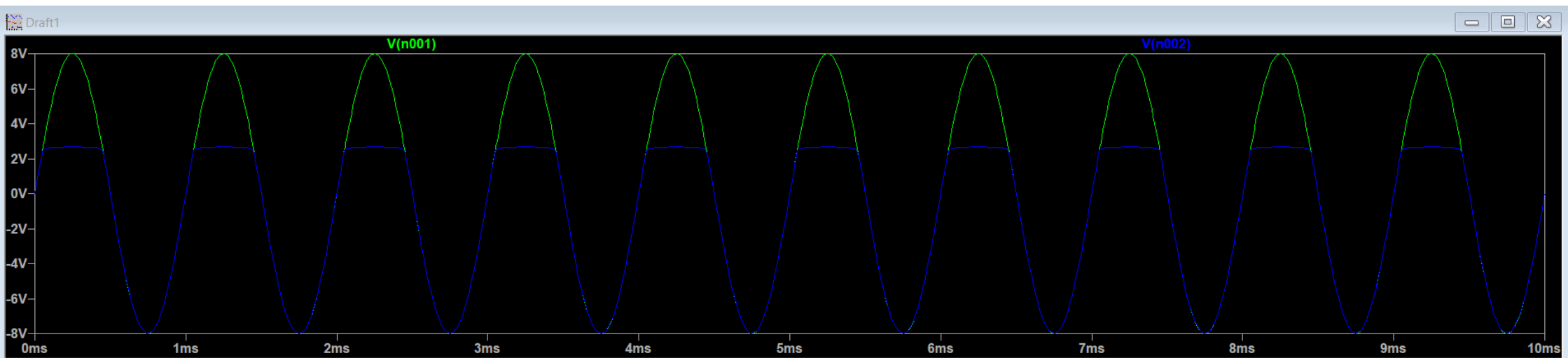
BRIDGE RECTIFIER

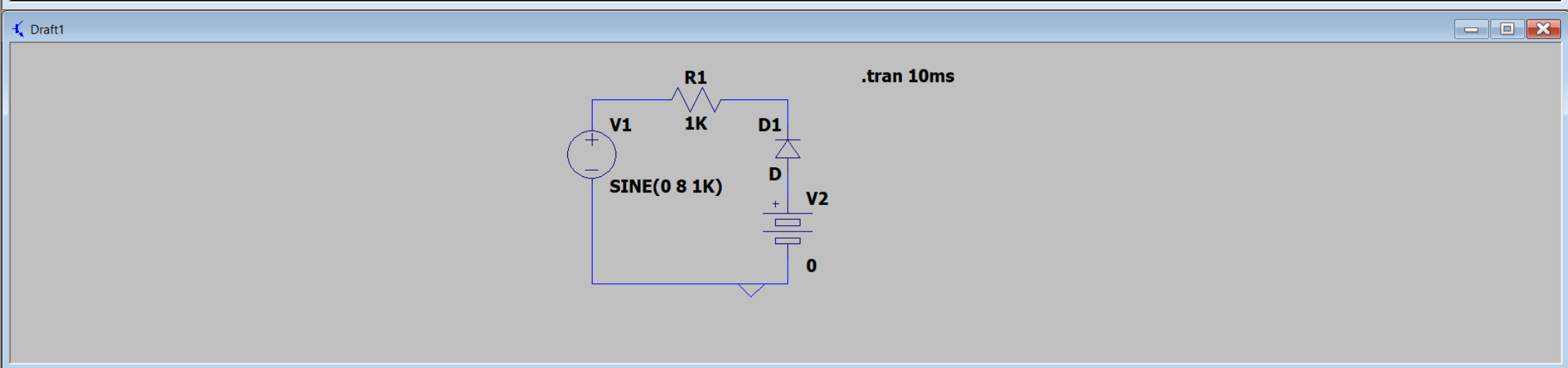
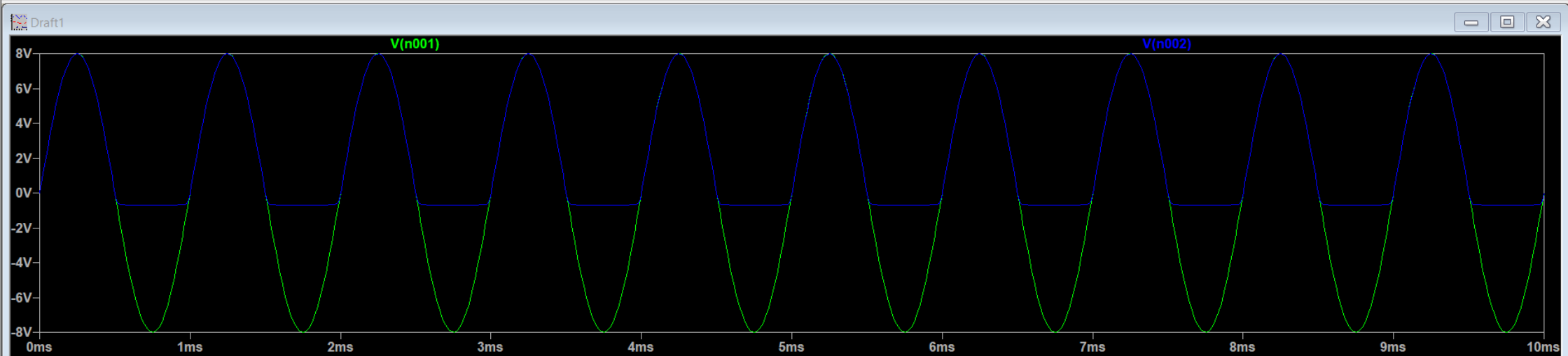
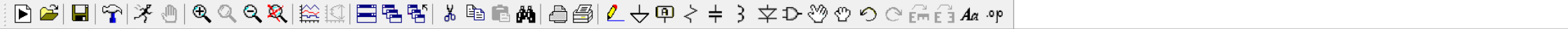
OUTPUT WAVEFORM WITHOUT FILTER:



OUTPUT WAVEFORM WITH FILTER:



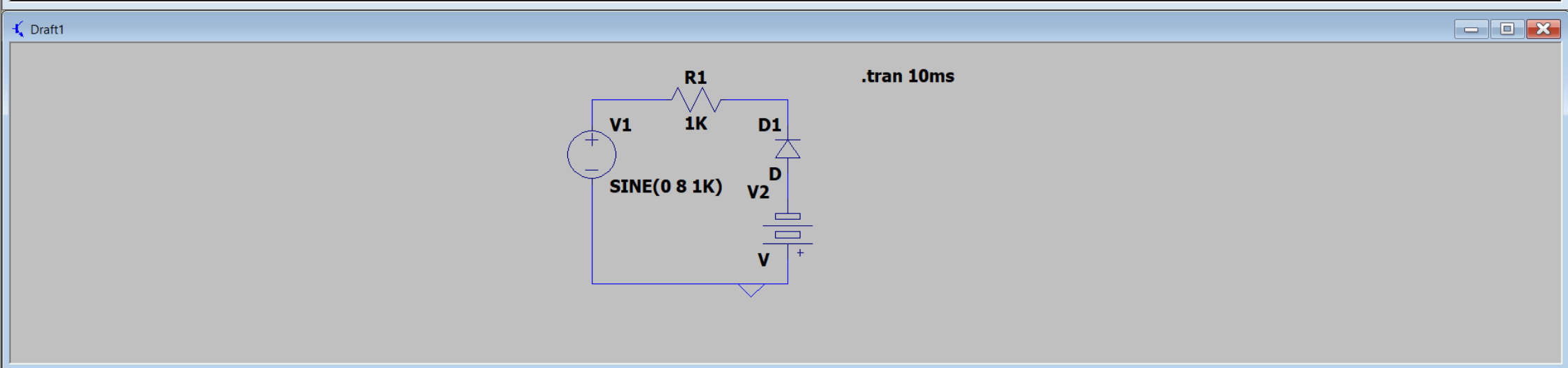
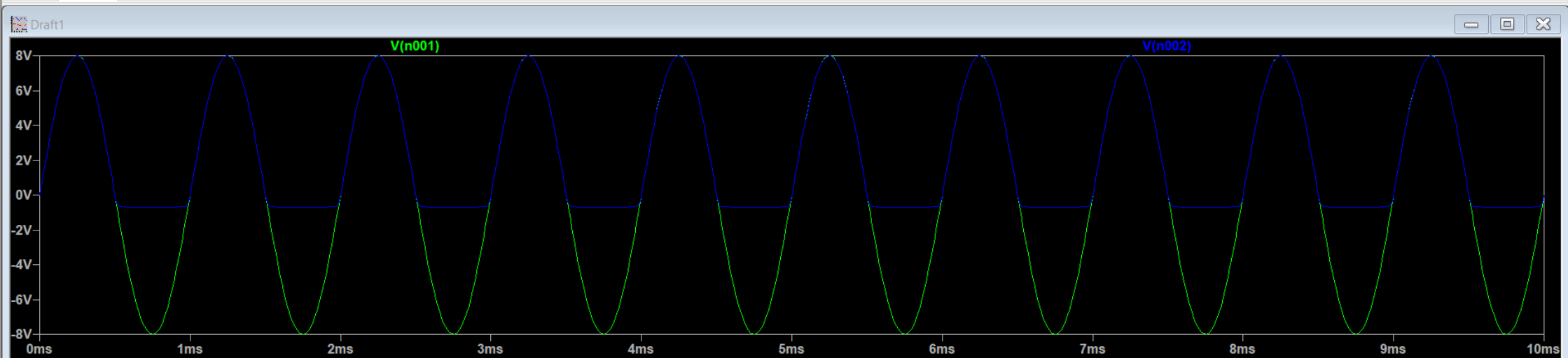




Right click to edit ".tran 10ms"



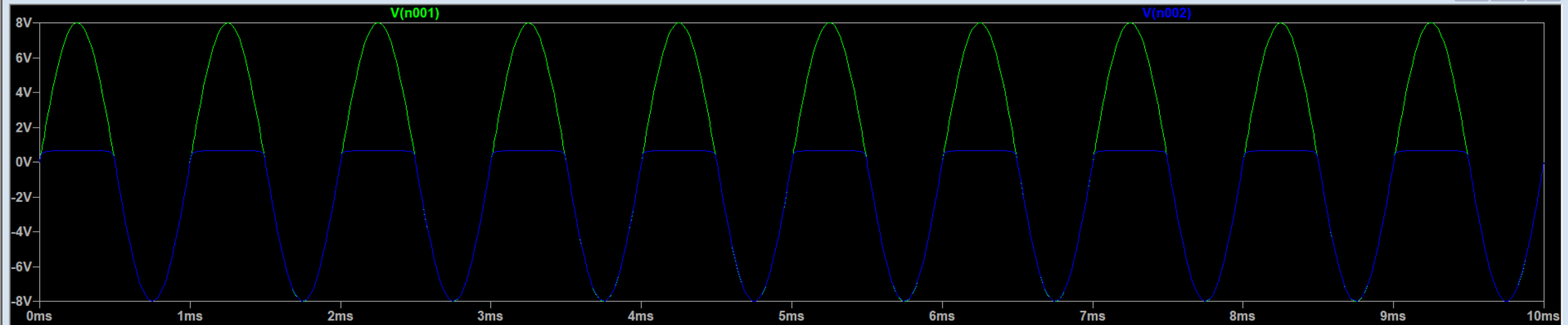
Draft1 Draft1





Draft1

Draft1



Draft1

