

Objectives

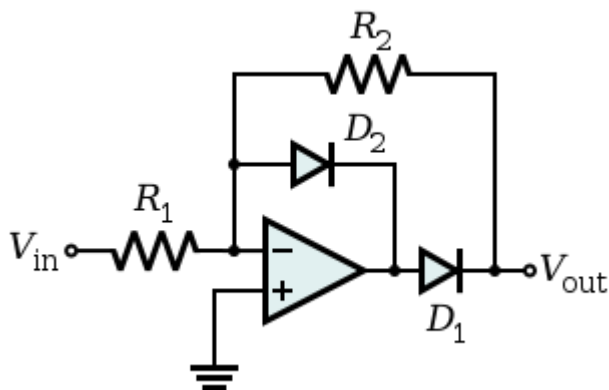
To study the following rectifiers and clippers using op-amp IC LM741

1. Precision Half Wave Rectifier
2. Precision Full Wave Rectifier
3. Positive Clipper
4. Negative Clipper

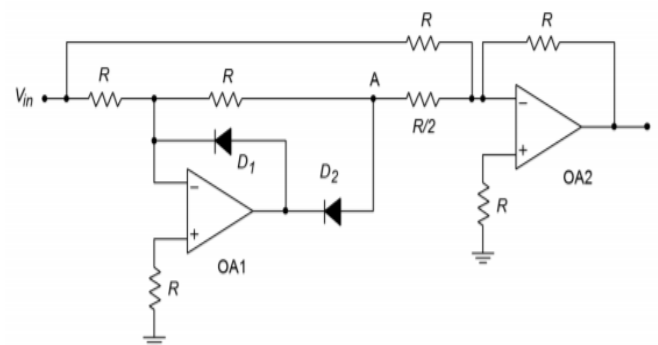
and draw output waveforms in each case.

Also draw the schematic for each filter.

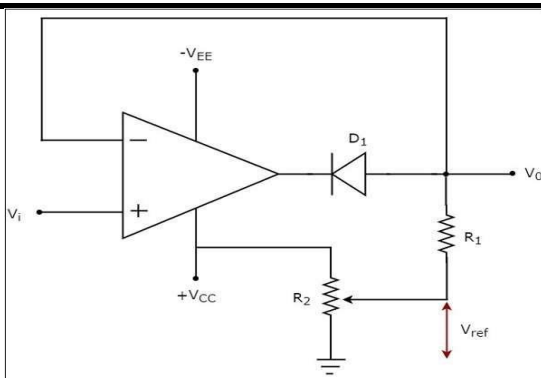
Topology of the rectifiers and clippers



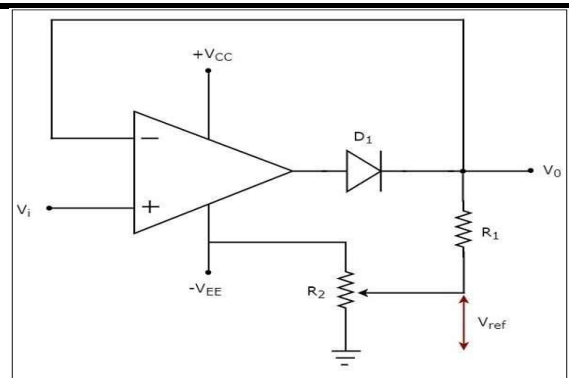
Precision Half Wave Rectifier



Precision Full Wave Rectifier



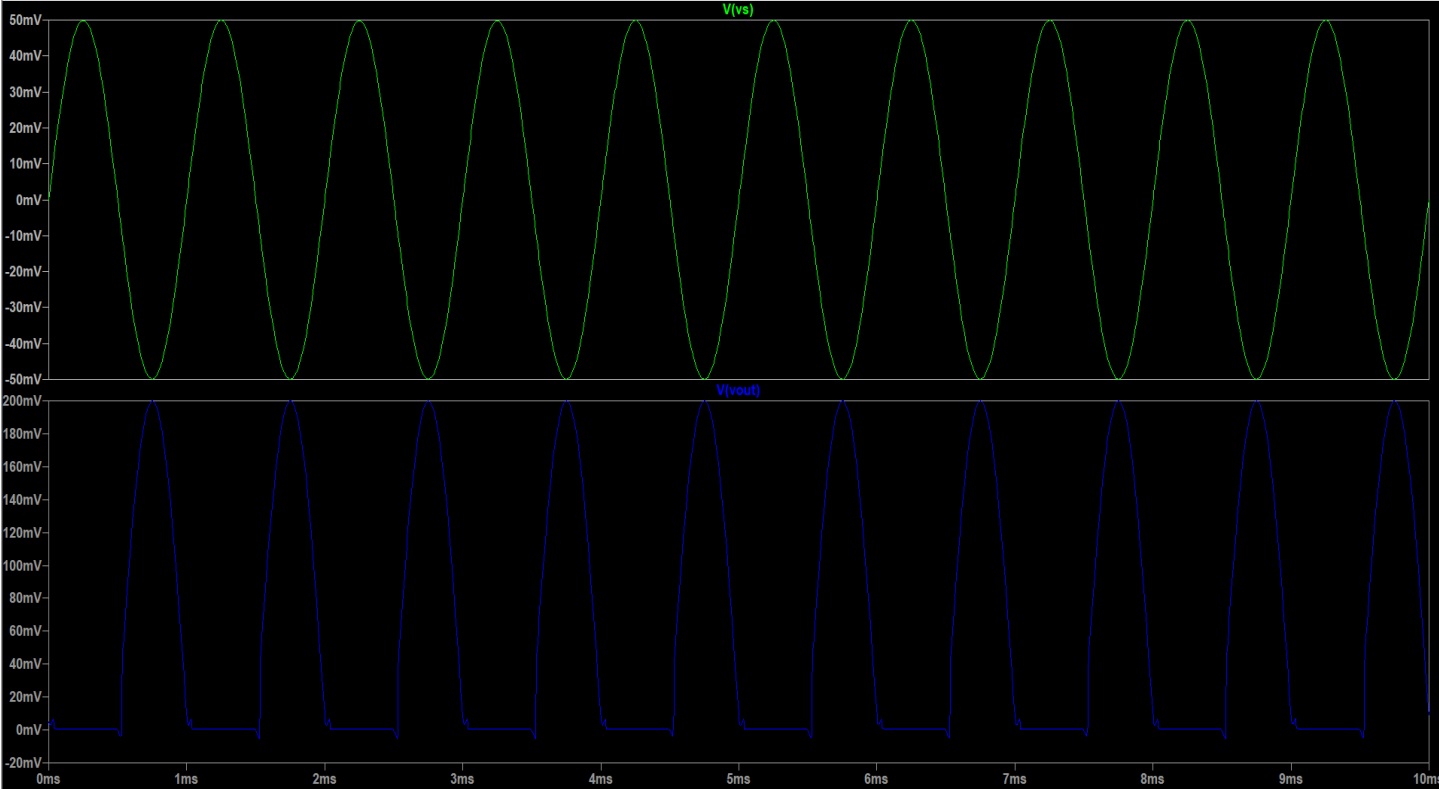
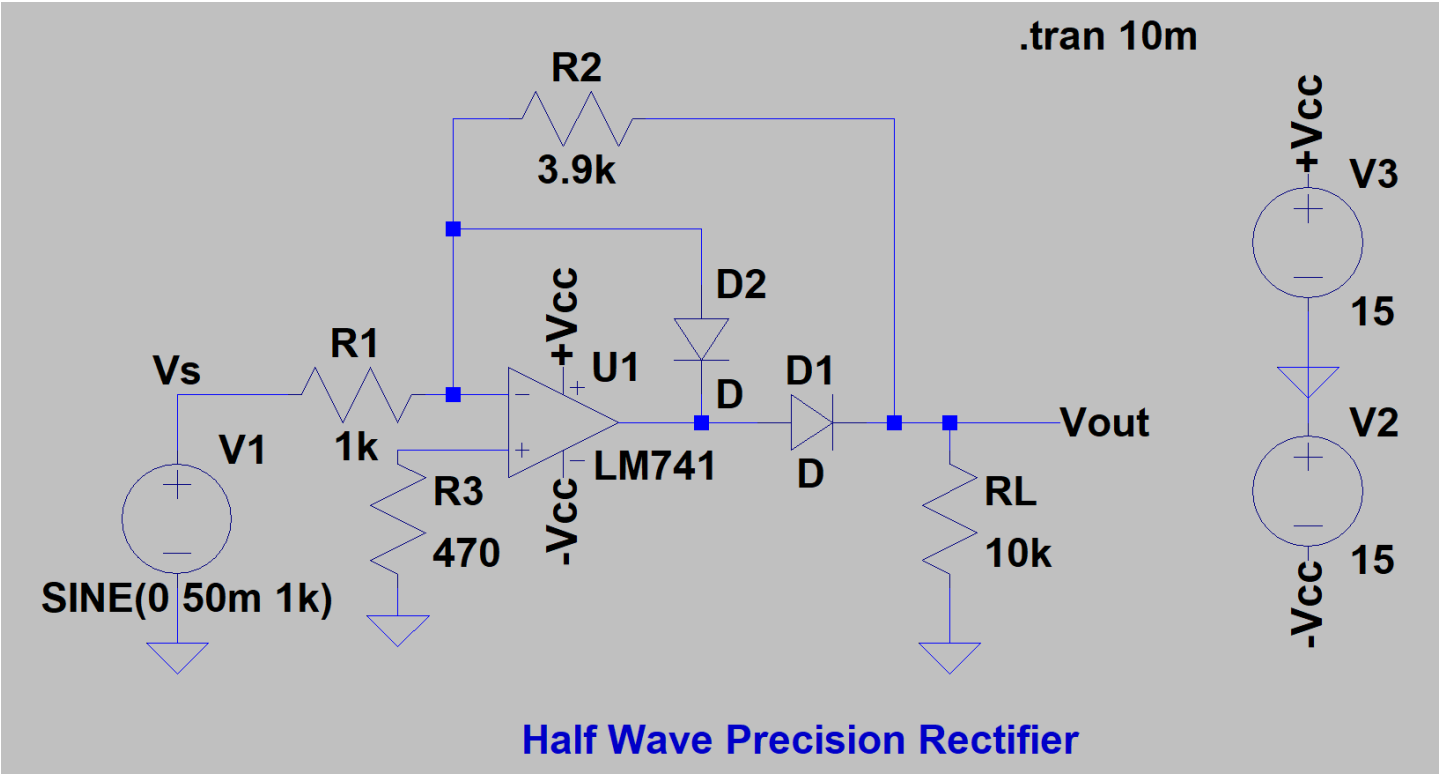
Positive Clipper



Negative Clipper

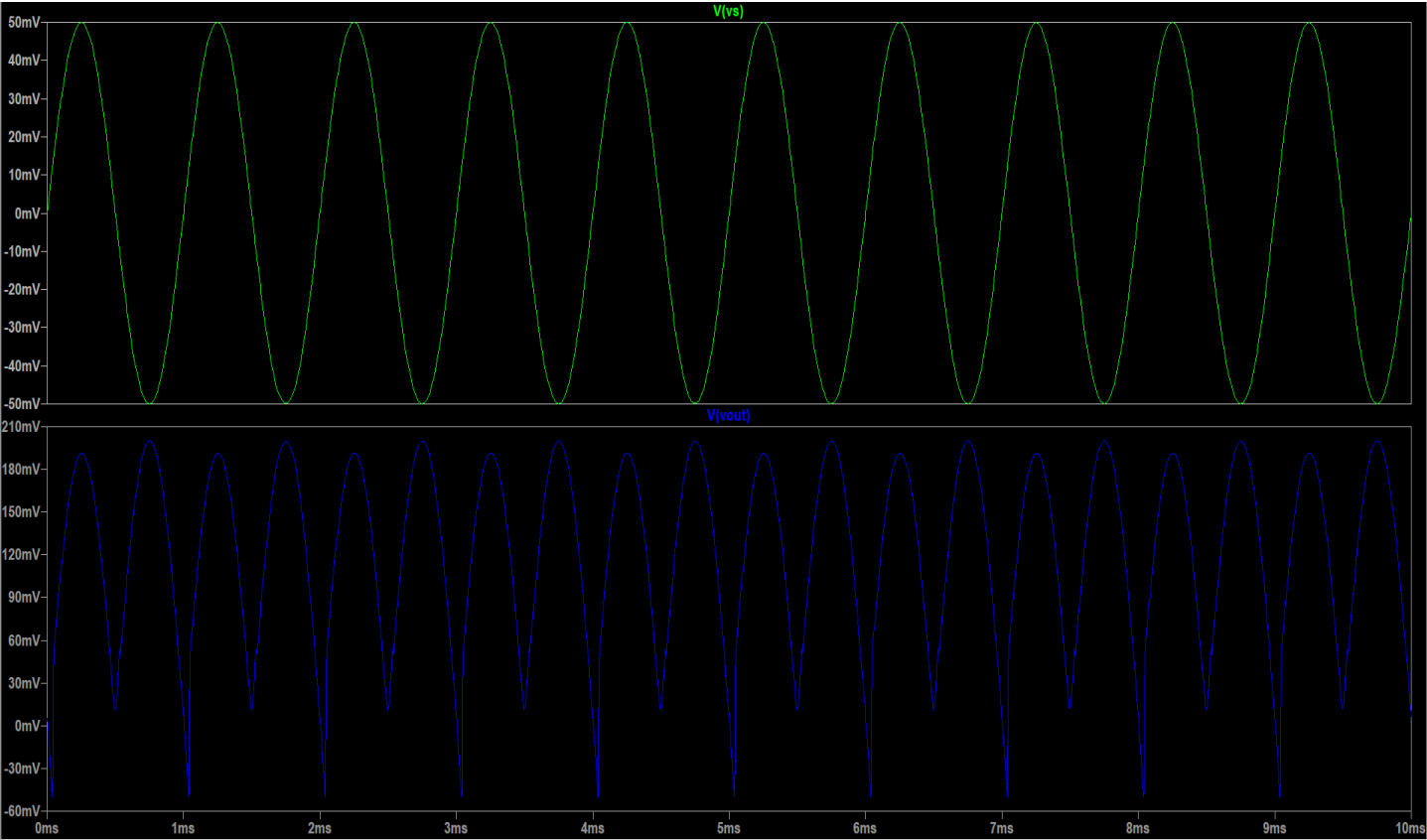
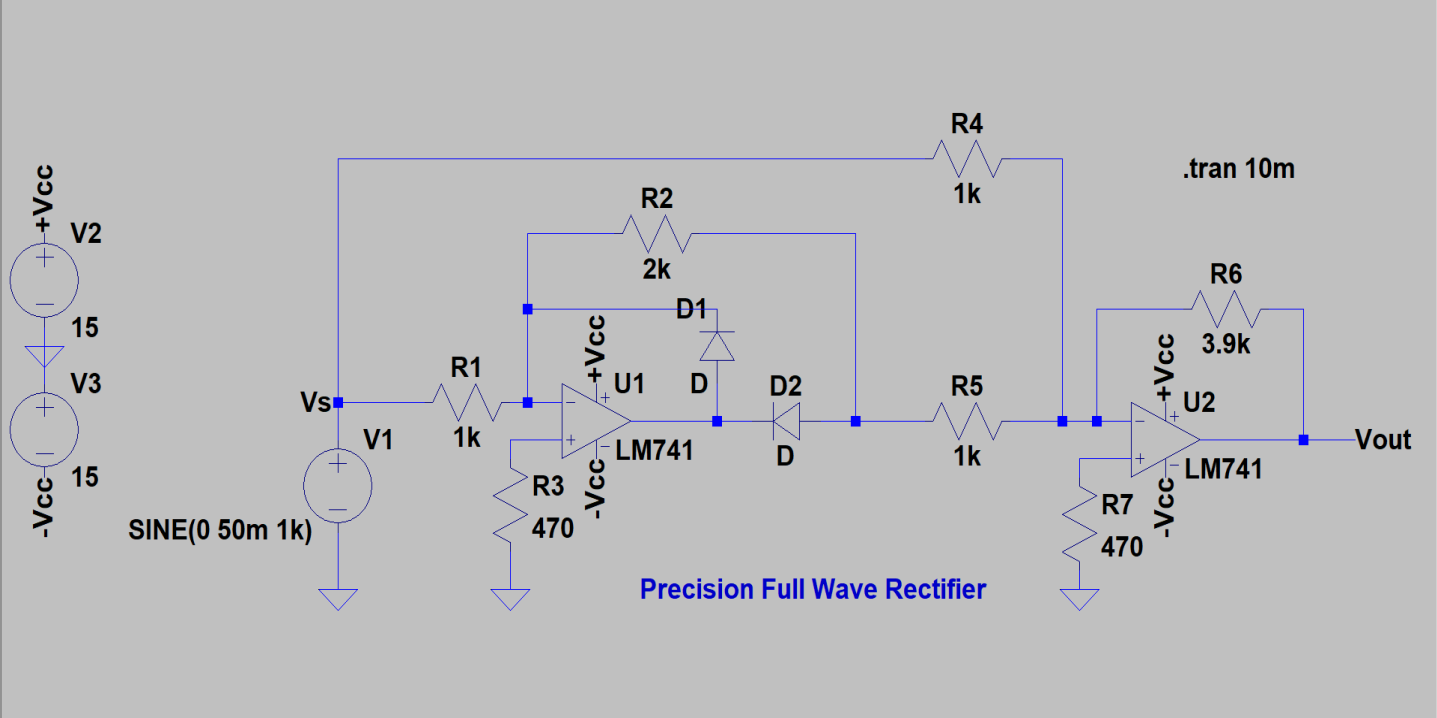
Precision Half-Wave Rectifier

Schematic and waveforms



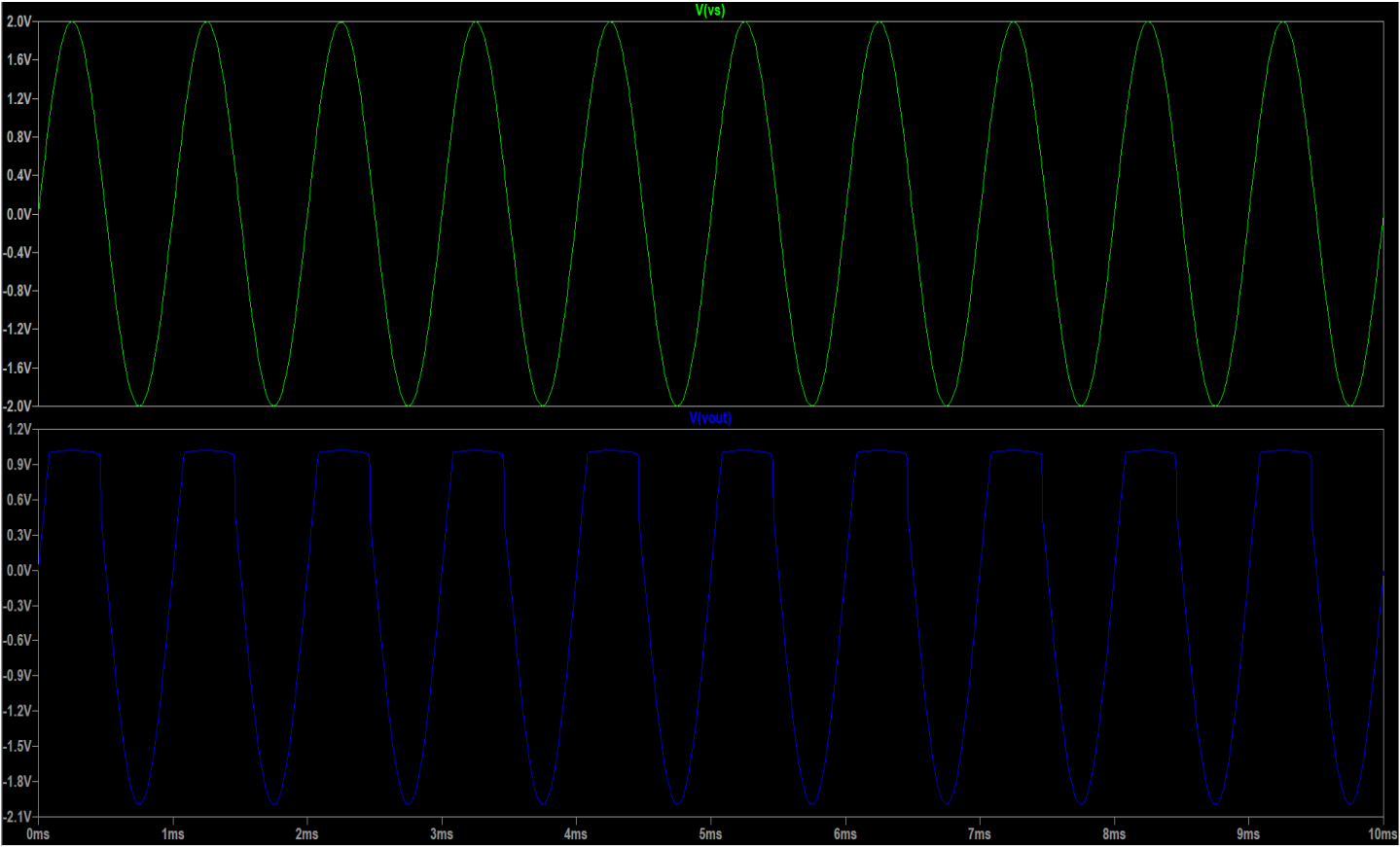
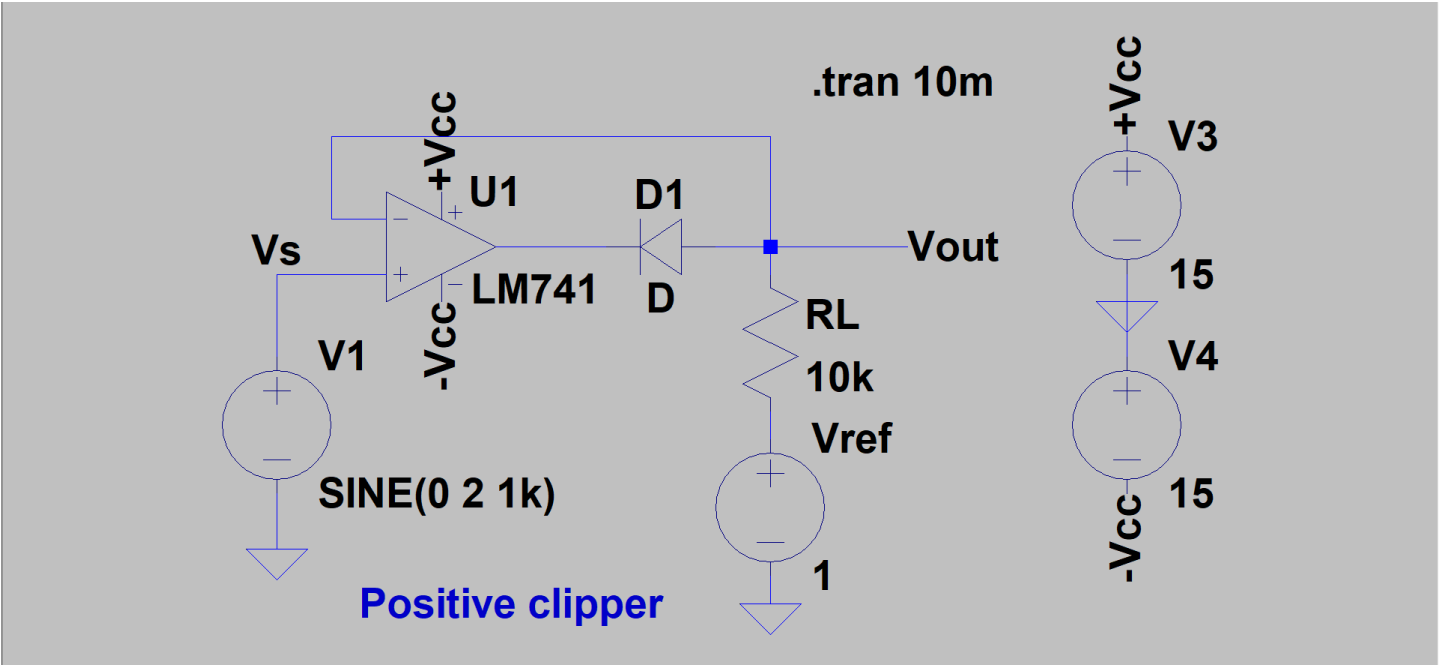
Precision Full-Wave Rectifier

Schematic and waveforms



Positive Clipper

Schematic and waveforms



Negative Clipper

Schematic and waveforms

