

# EXPERRIMENT-7

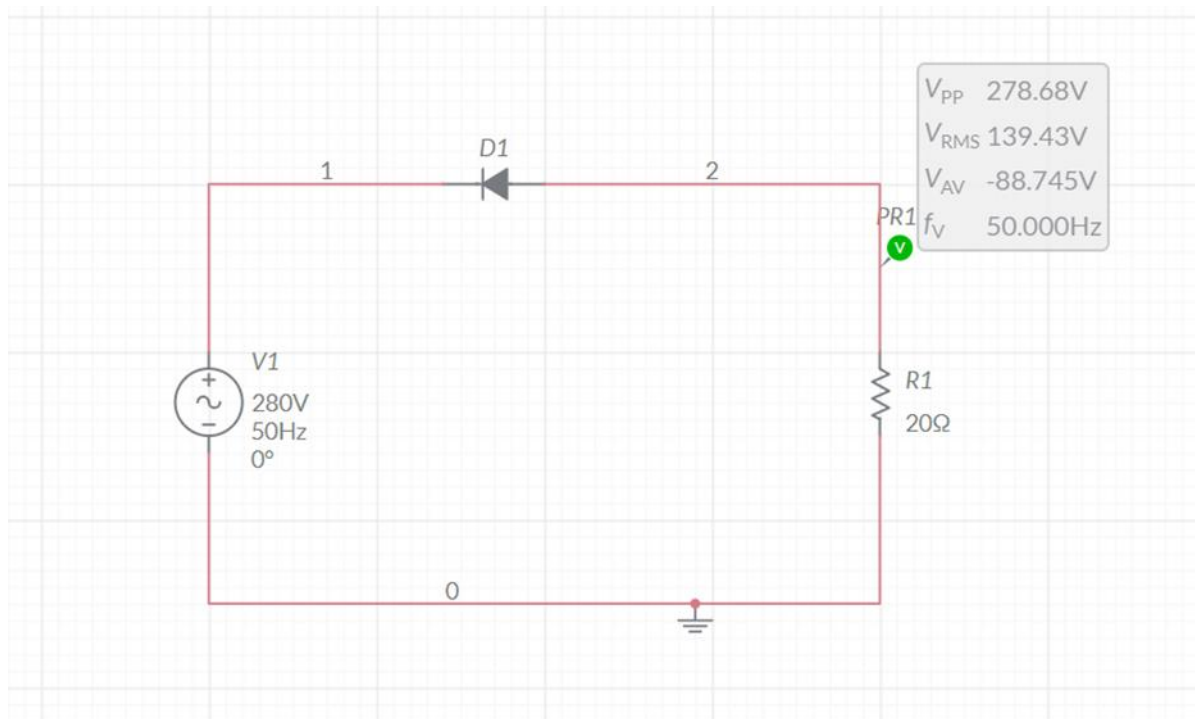
AIM:

Simulating different types of diode clippers and clampers and obtaining the output wave form of each model from the MULTISIM.

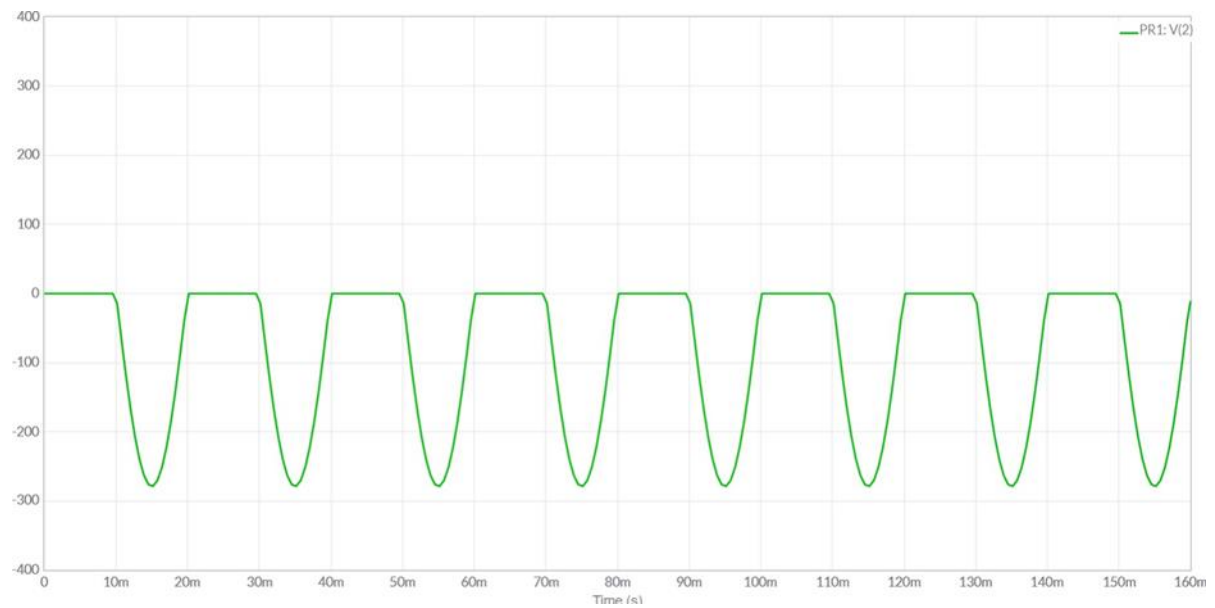
MULTISIM:

SERIES CLIPPERS:

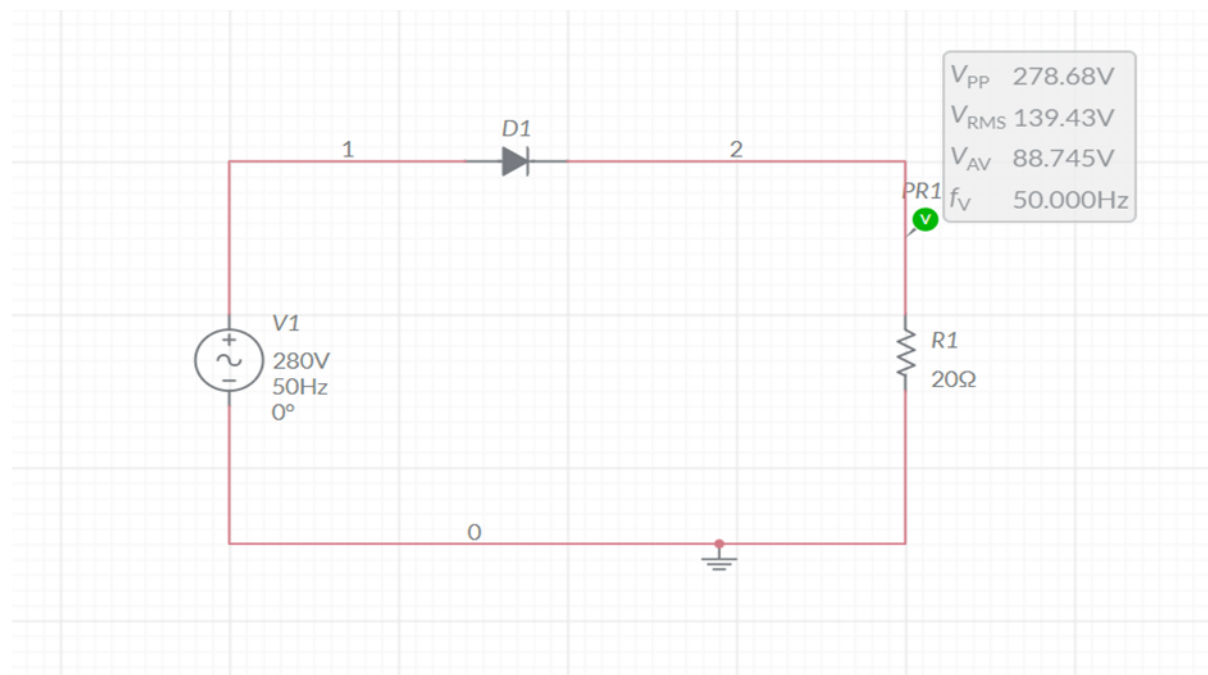
POSITIVE SERIES CLIPPERS



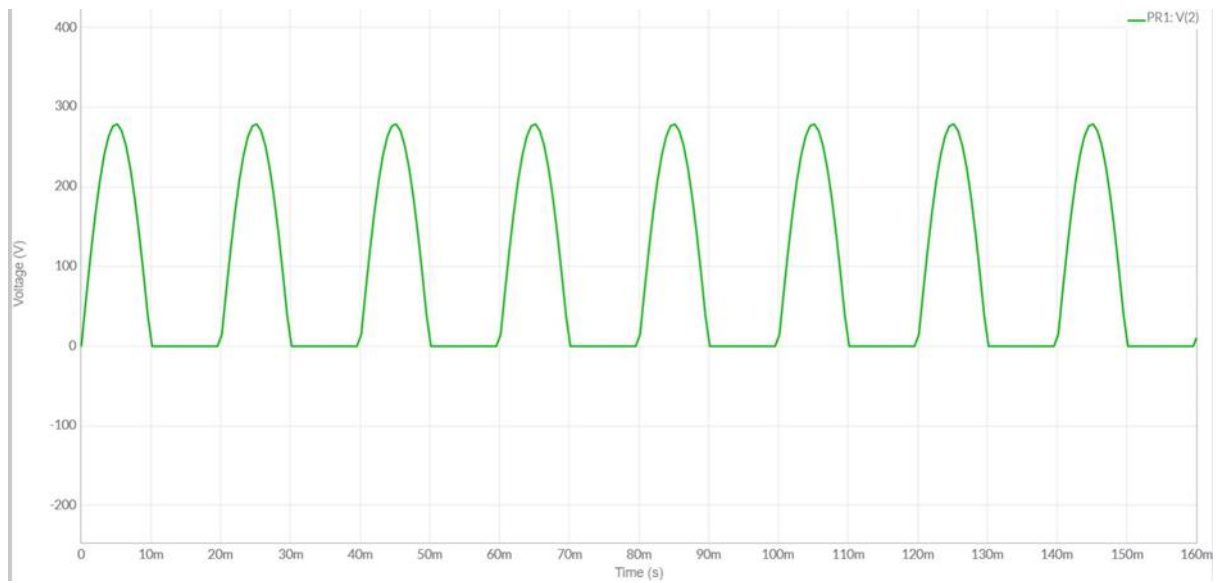
GRAPH:



NEGATIVE SERIES CLIPPER

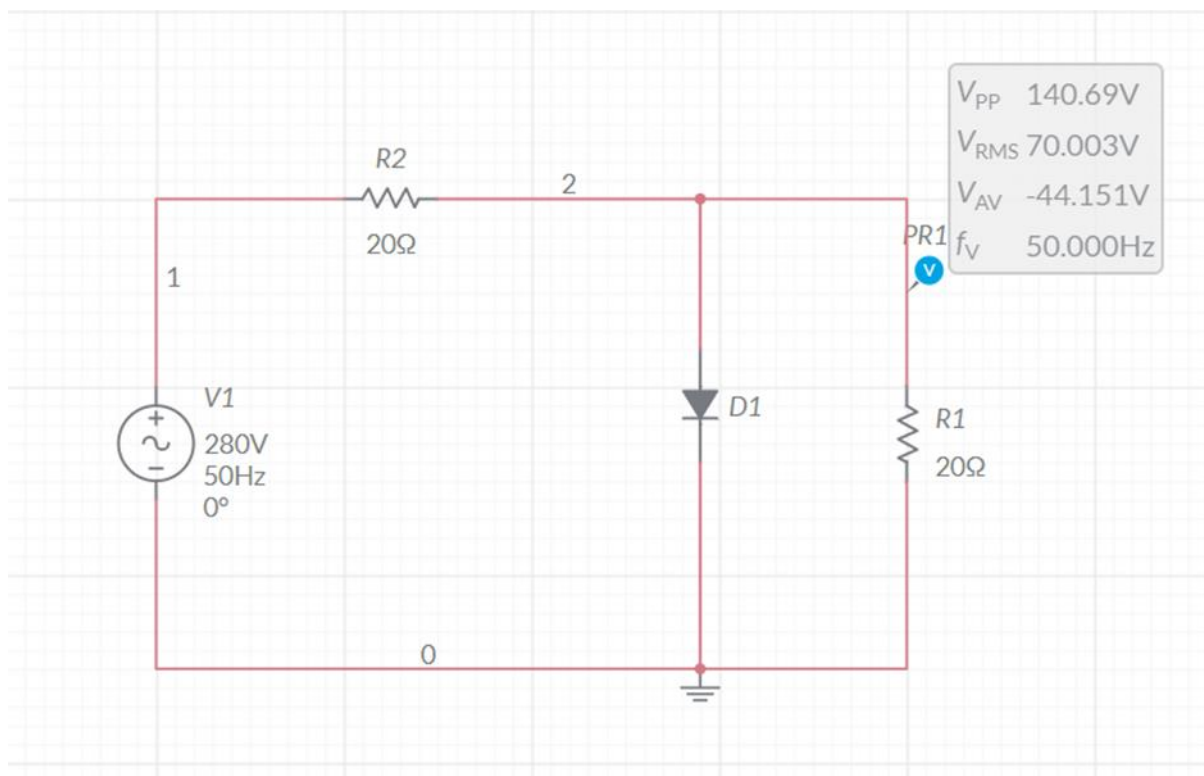


GRAPH:

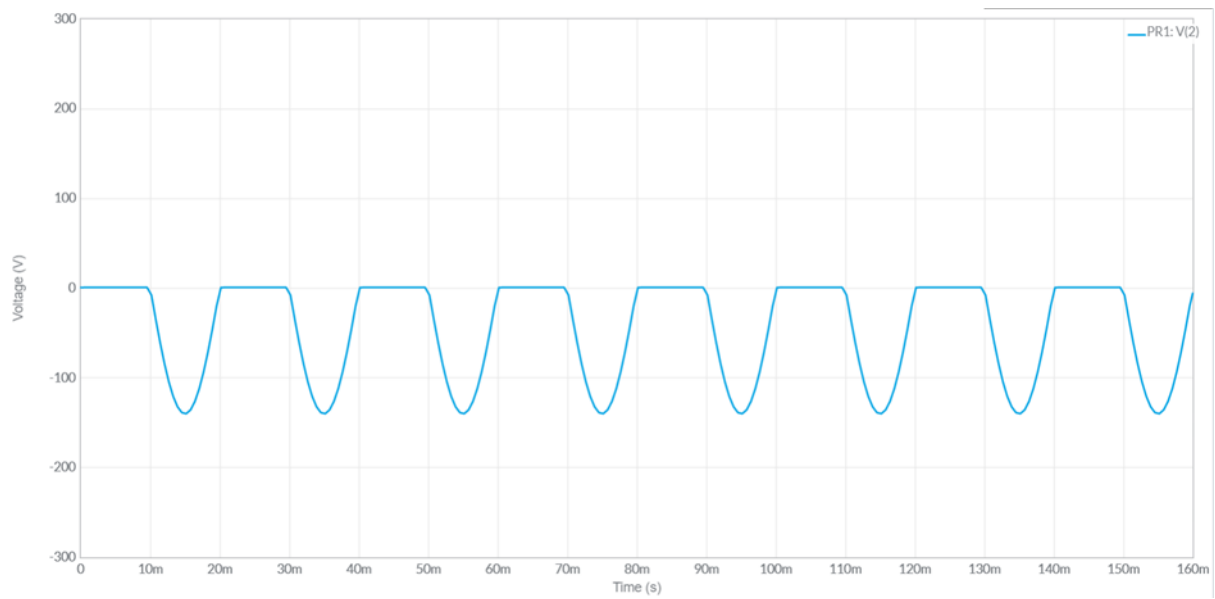


SHUNT CLIPPERS:

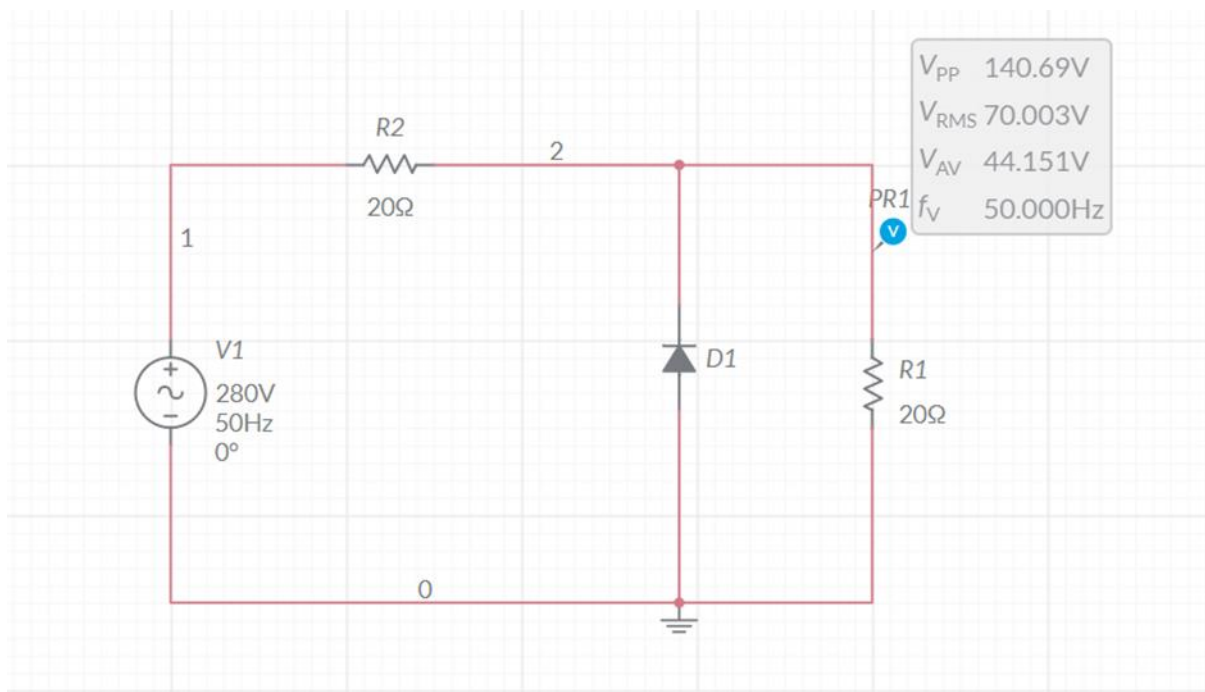
POSITIVE SHUNT CLIPPER



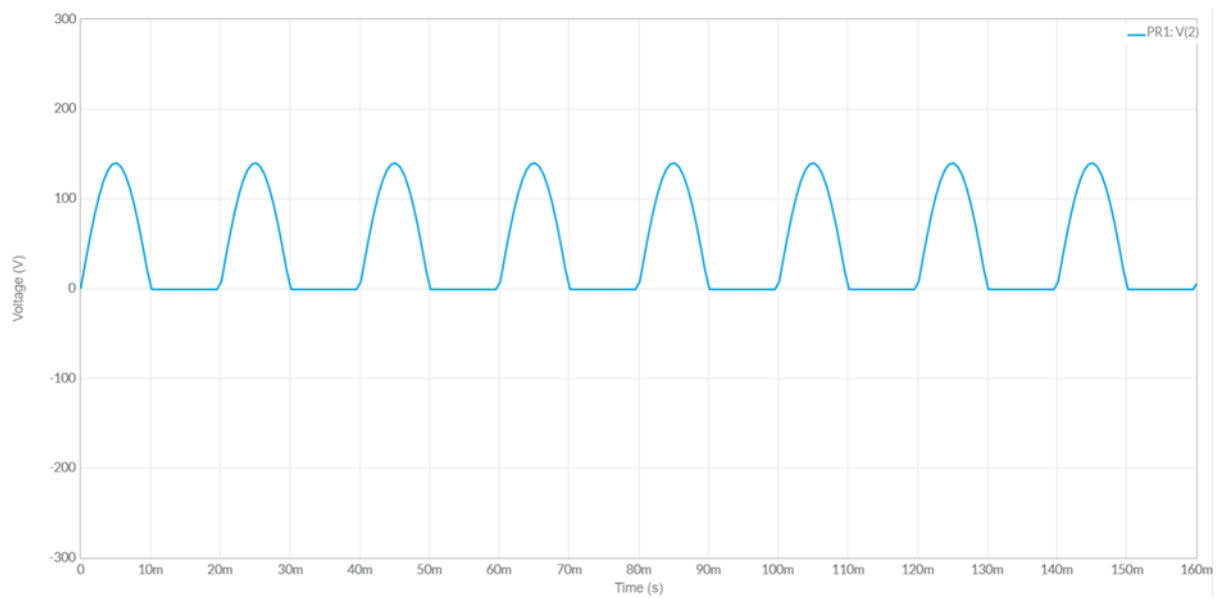
GRAPH:



NEGATIVE SHUNT CLIPPER

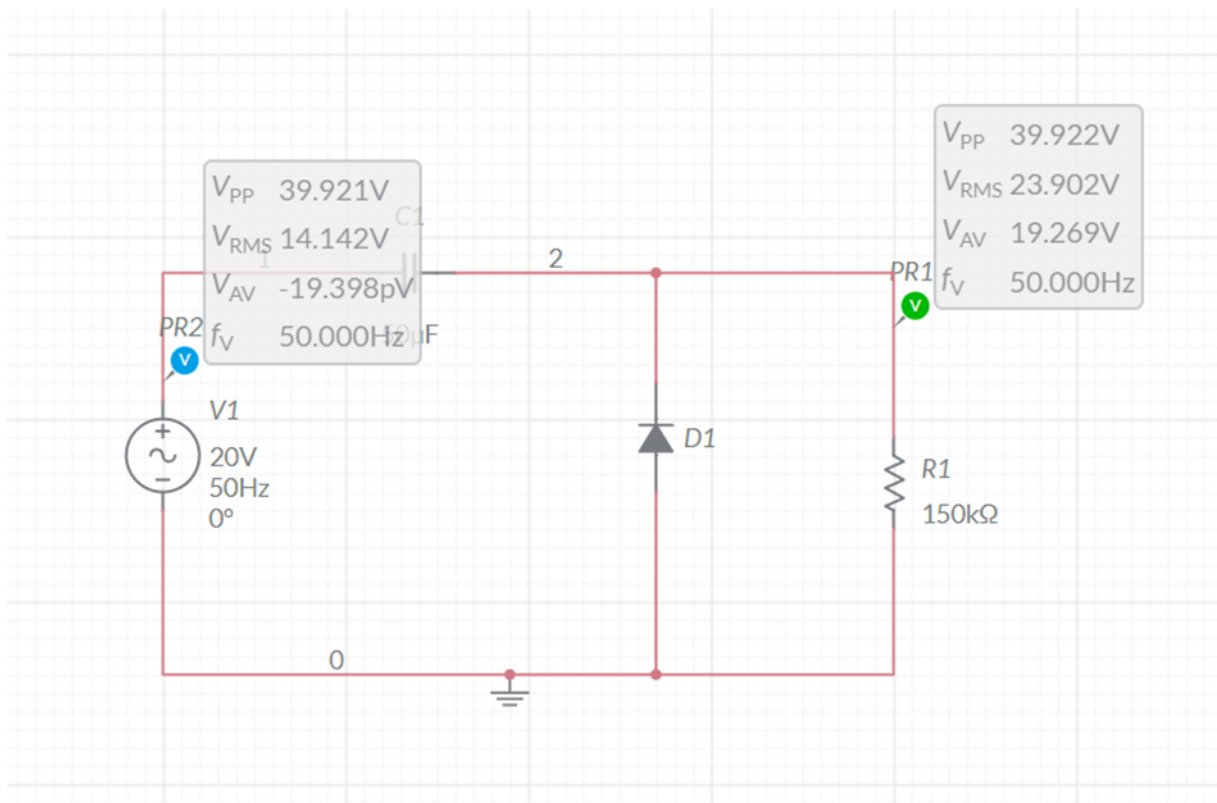


## GRAPH:

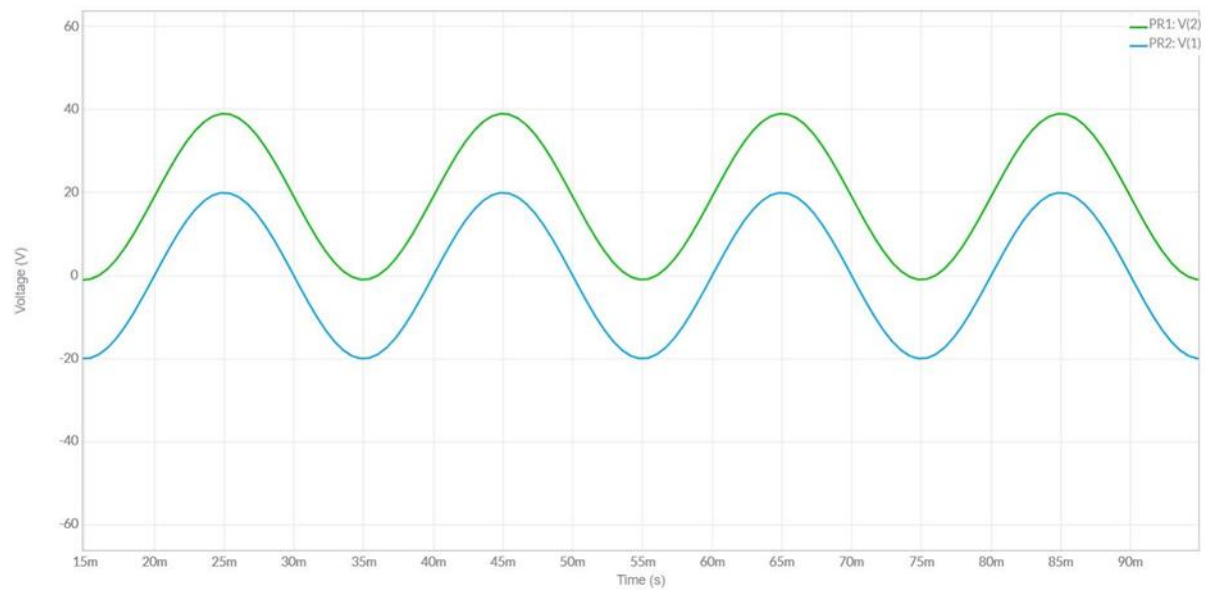


## CLAMPERS:

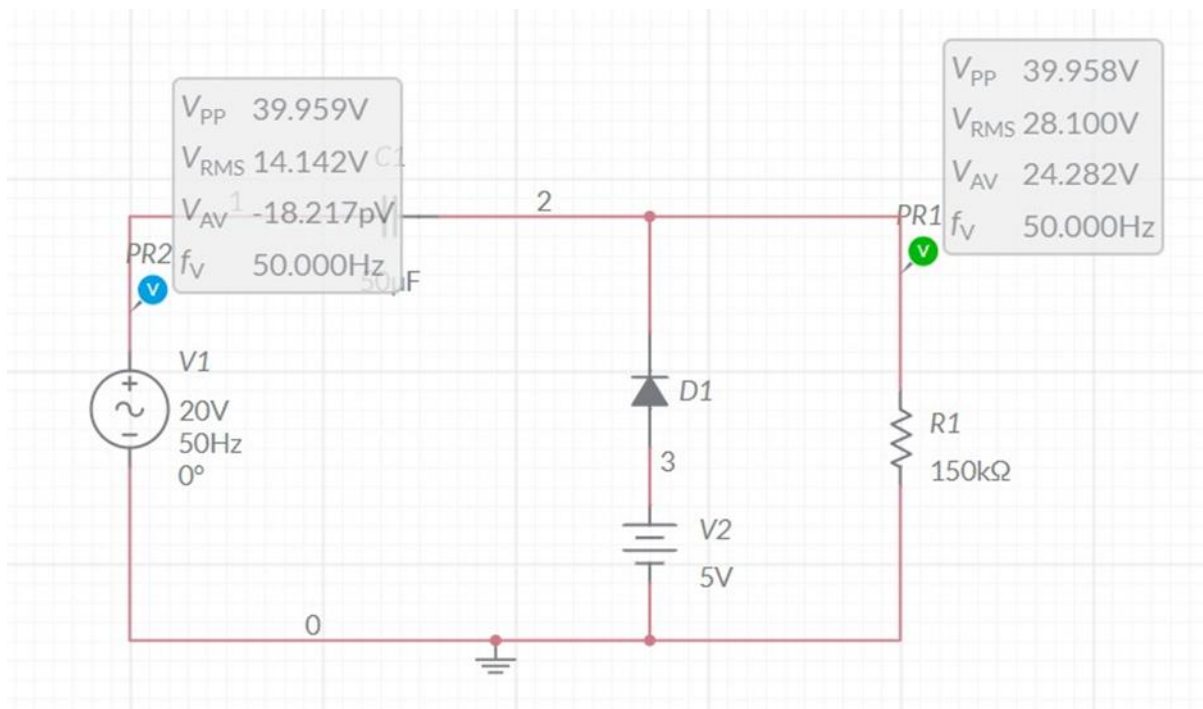
### POSITIVE CLAMPER (UNBIASED):



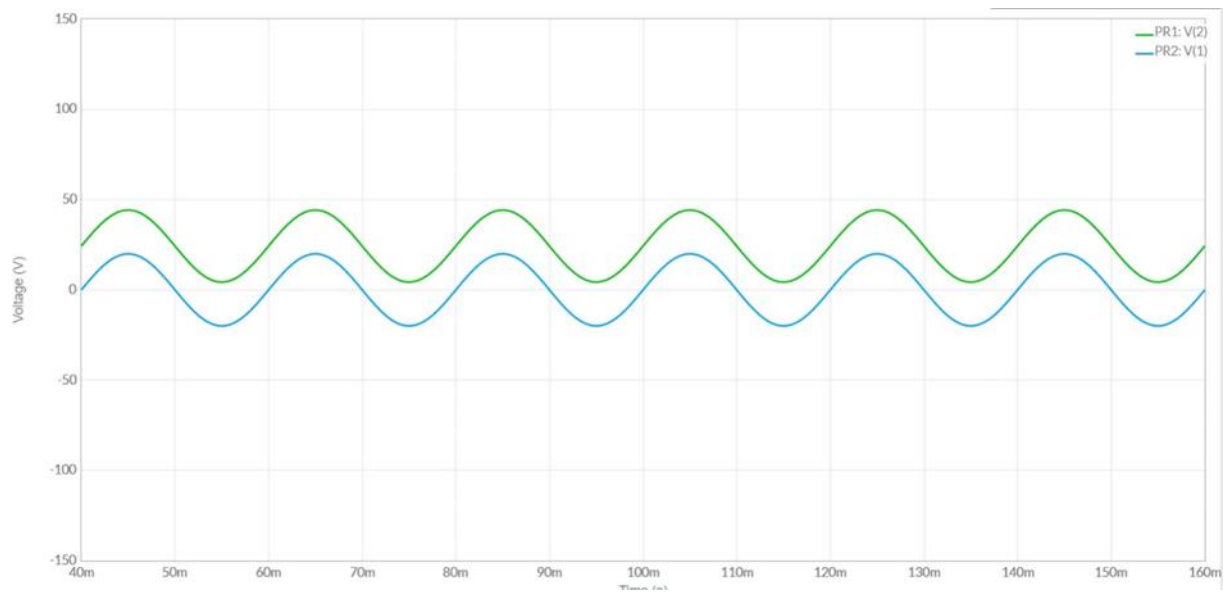
GRAPH:



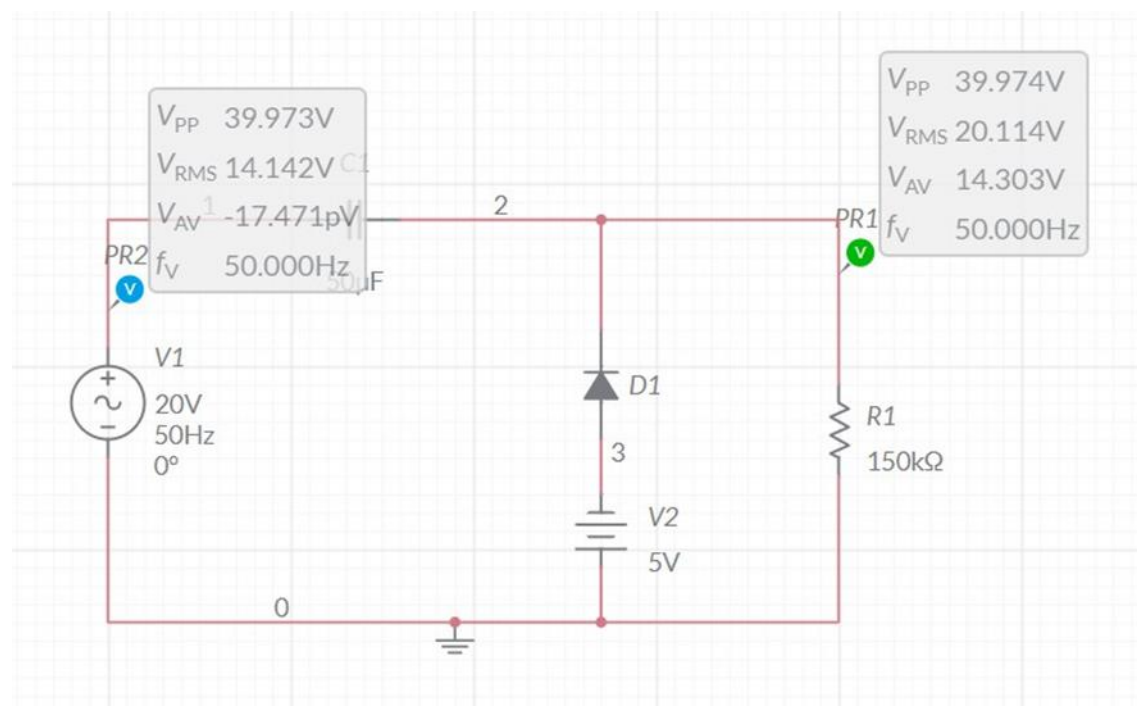
POSITIVE CLAMPER WITH POSITIVE  $V_r$  :



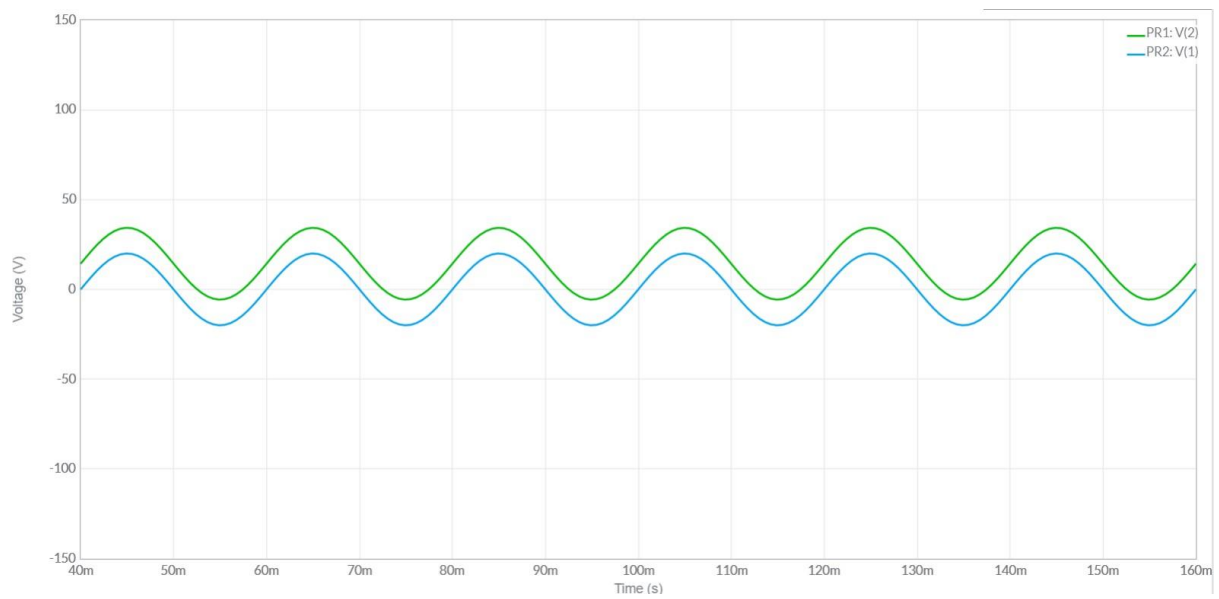
GRAPH:



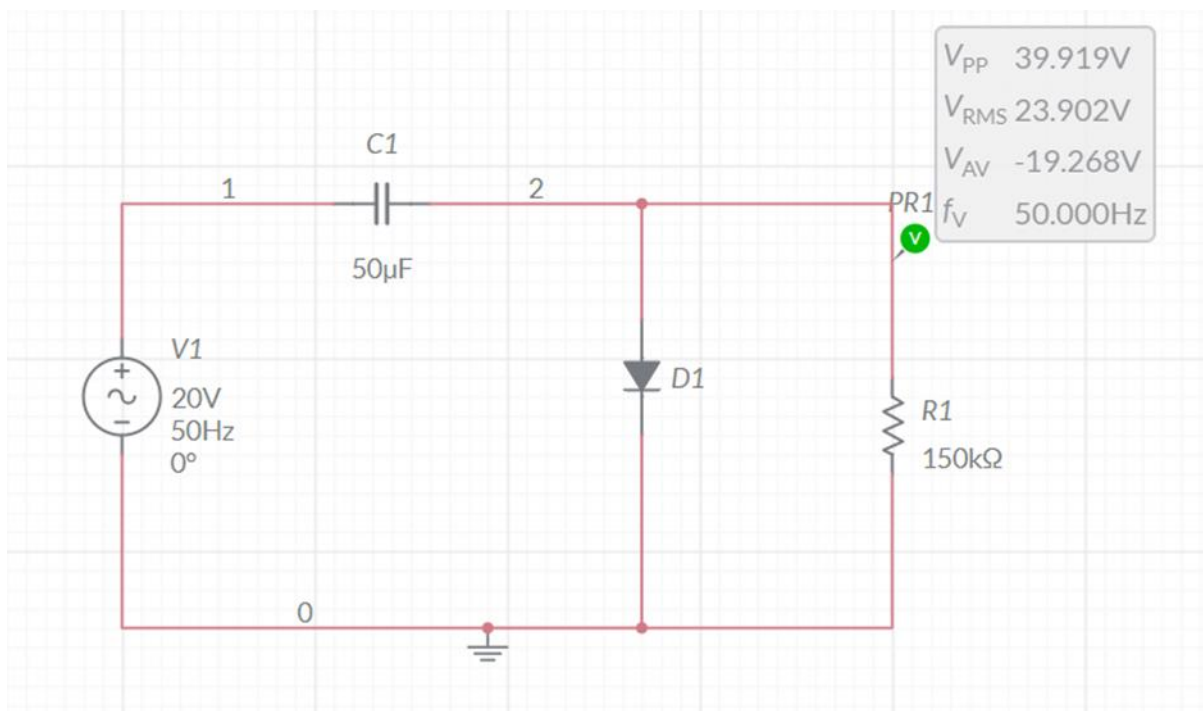
POSITIVE CLAMPER WITH NEGATIVE  $V_r$ :



### GRAPH:

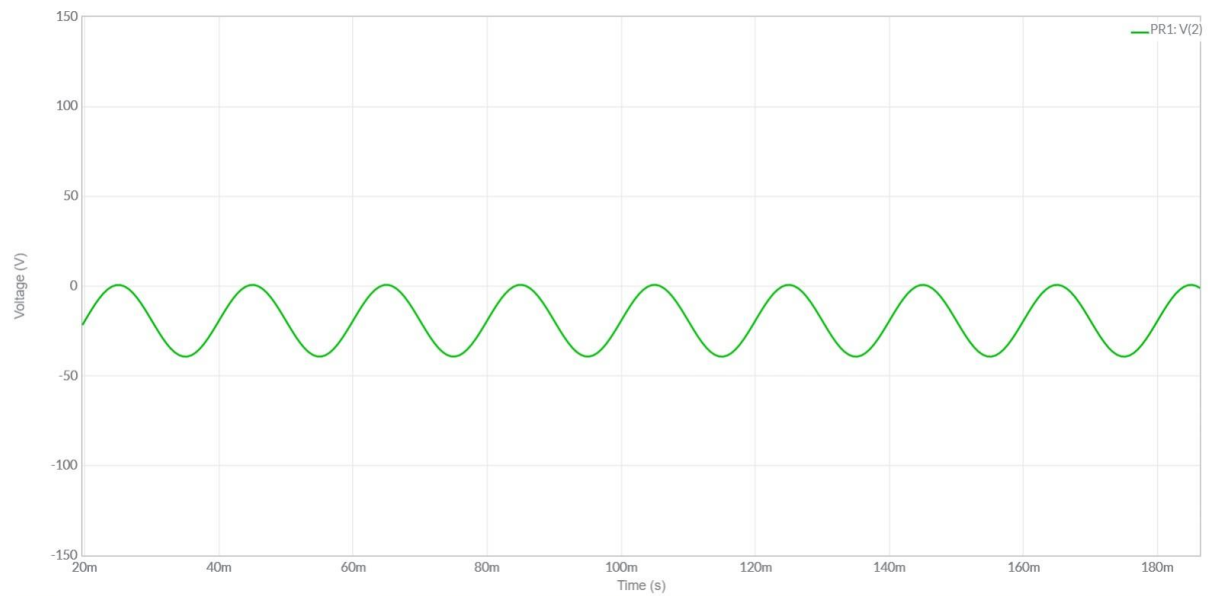


### NEGATIVE CLAMPER (UNBIASED):

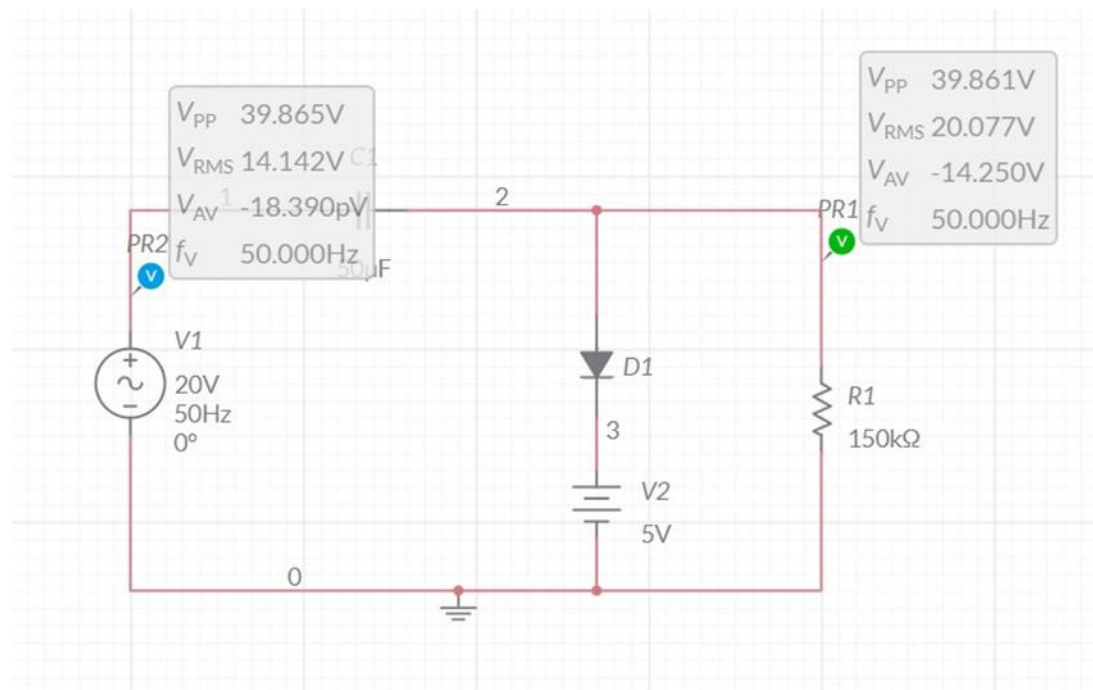




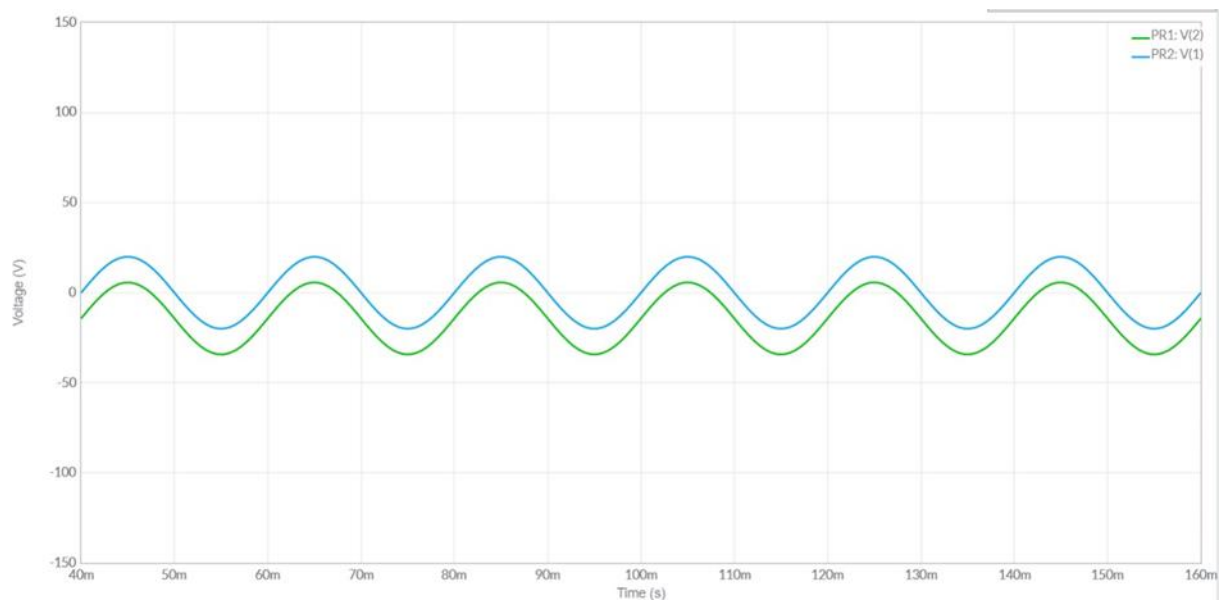
## GRAPHS:



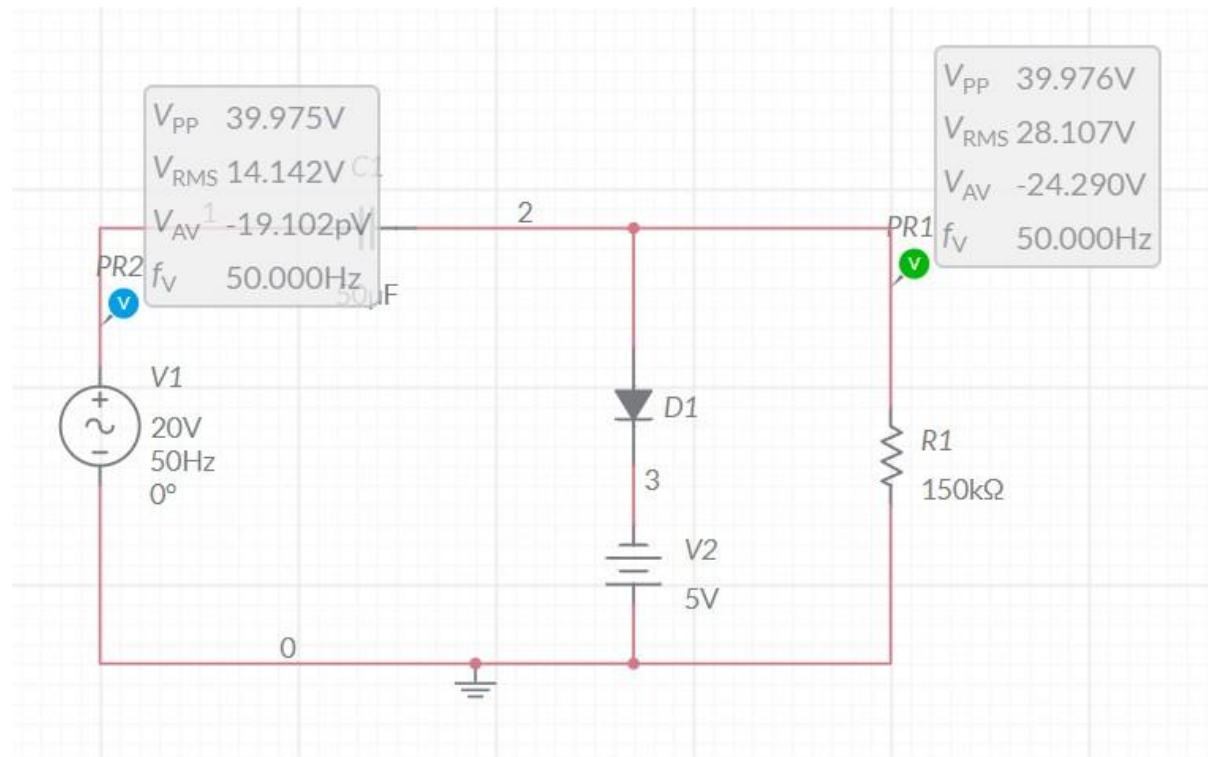
## NEGATIVE CLAMPER WITH POSITIVE $V_r$ :



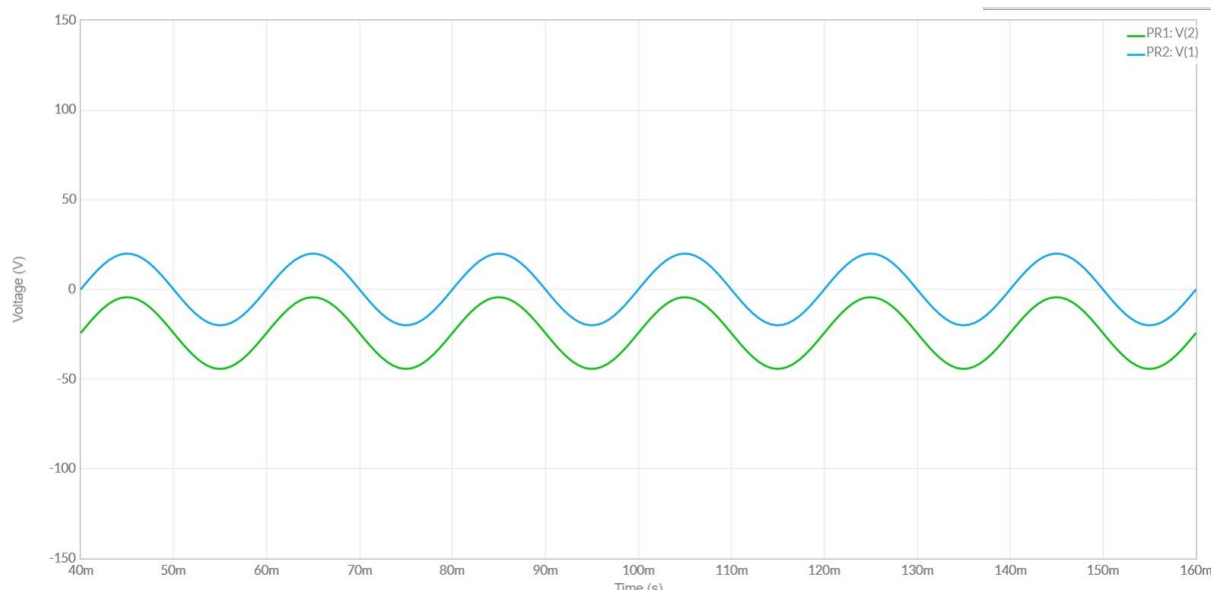
## GRAPHS:



## NEGATIVE CLAMPING WITH NEGATIVE $V_r$ :



## GRAPHS:



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