

# Design of Single phase Half wave and Full wave Rectifiers

Aim: To verify and obtain the output wave form of ~~half~~ single phase half wave and full wave rectifier circuit using CIS Capture (i.e.)

Apparatus/Tool required:

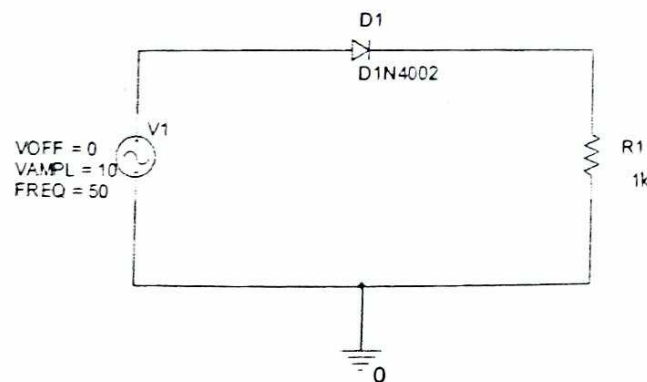
ORCAD / PSpice simulator -> Diode Library - D1N4002/4007,  
Source Library - Vsin & Ground (GND) - 0(zero)  
Analog Library - R

Simulation Settings: Analysis Type - Time Domain

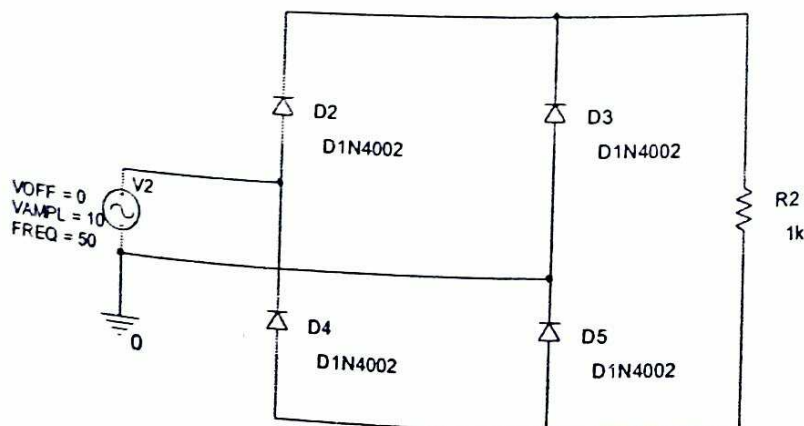
Run to time: 40ms (for 2 cycles)

Circuit Diagram:

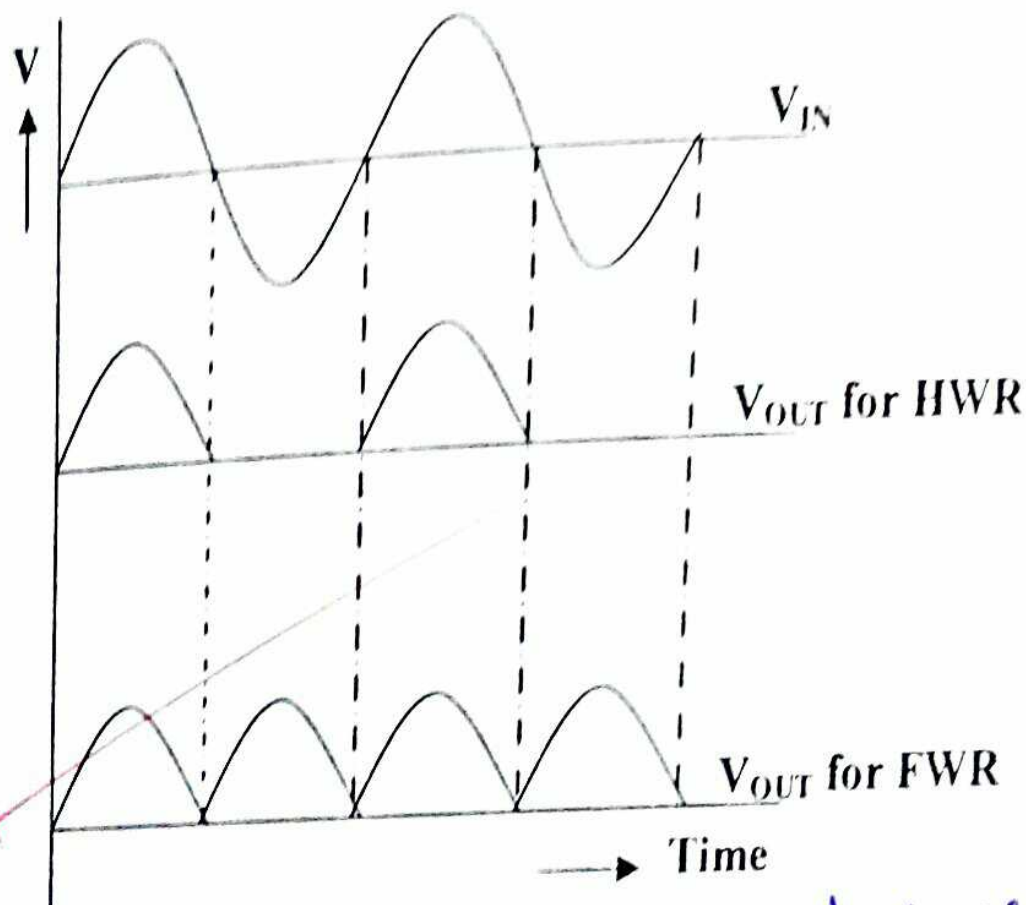
## Single phase Half - wave Rectifier



## Single phase Full - Wave Rectifier



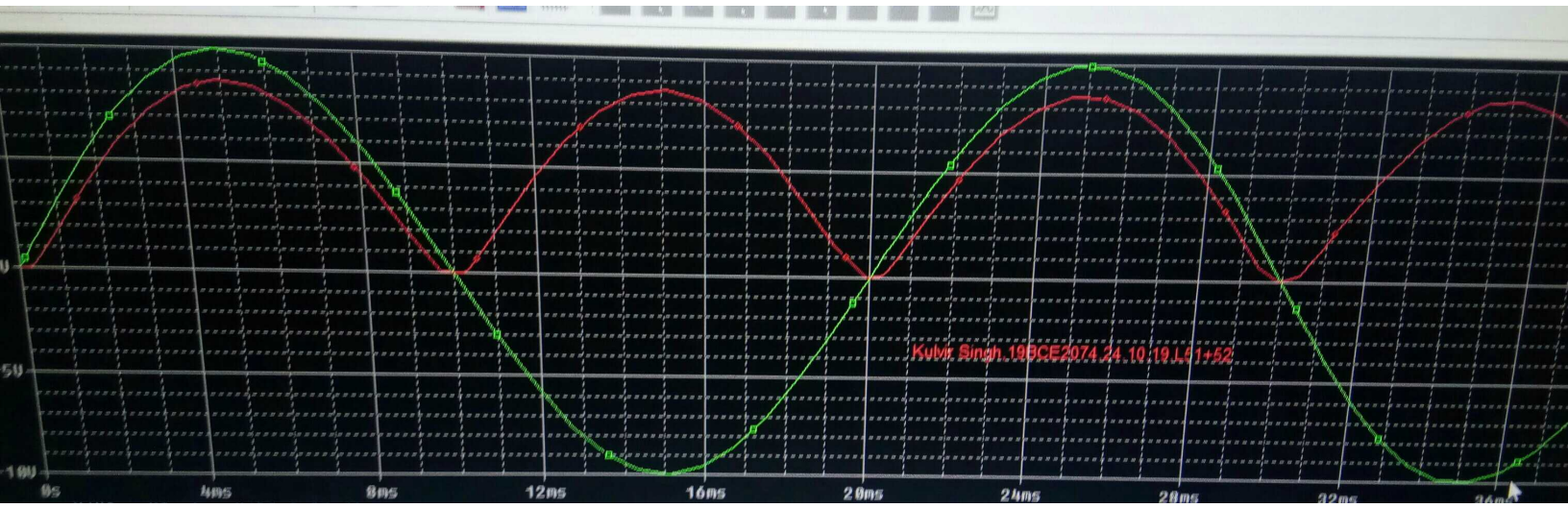
### Model Graph:



~~20/10/19~~  
 Result The single phase half wave and full wave rectifier circuit ~~to~~ output wave form have been obtained and verified in simulation (capture software) experiment

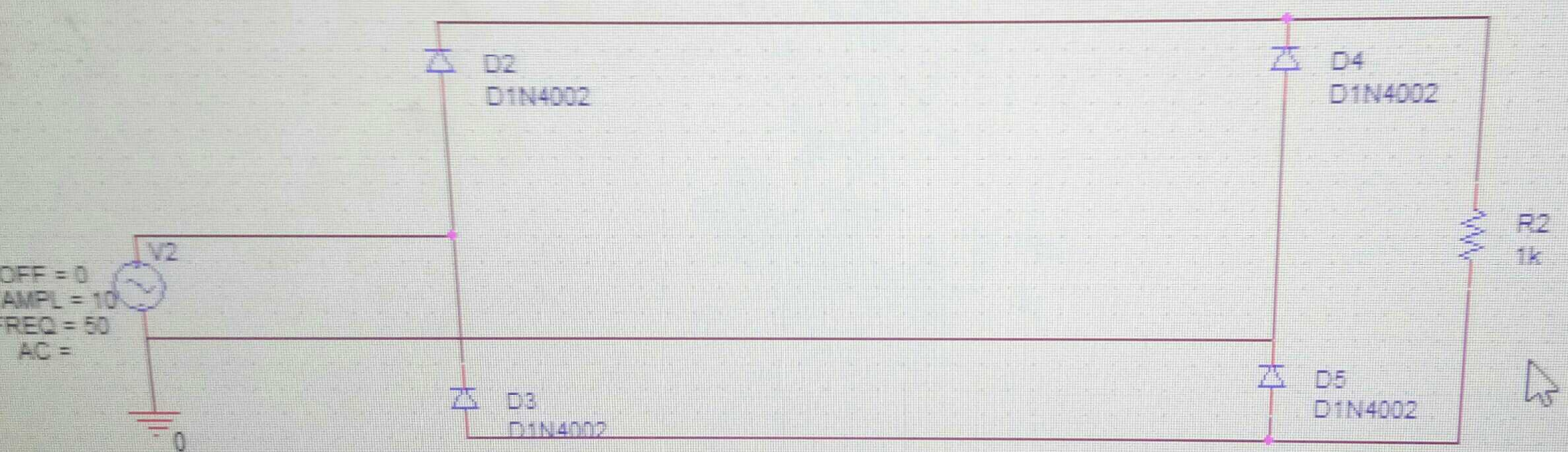
Inference

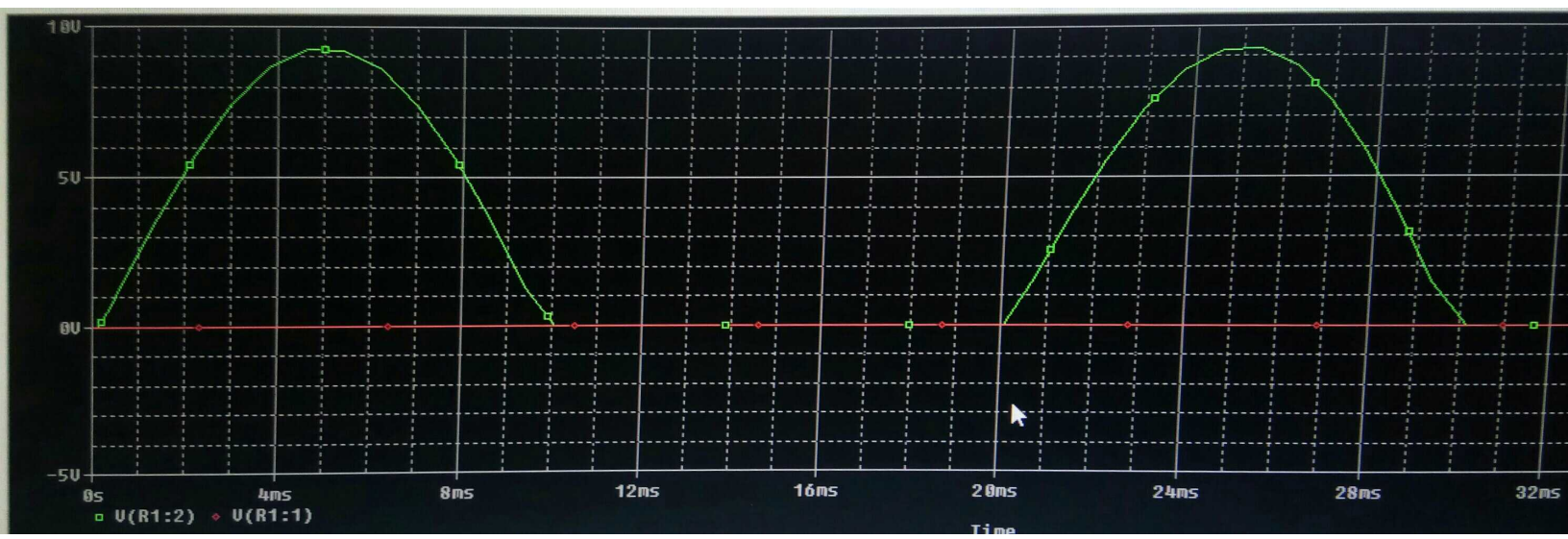
Reg. No: 19BCE2074 Name: KULVIR SINGH Date: 24.10.19.

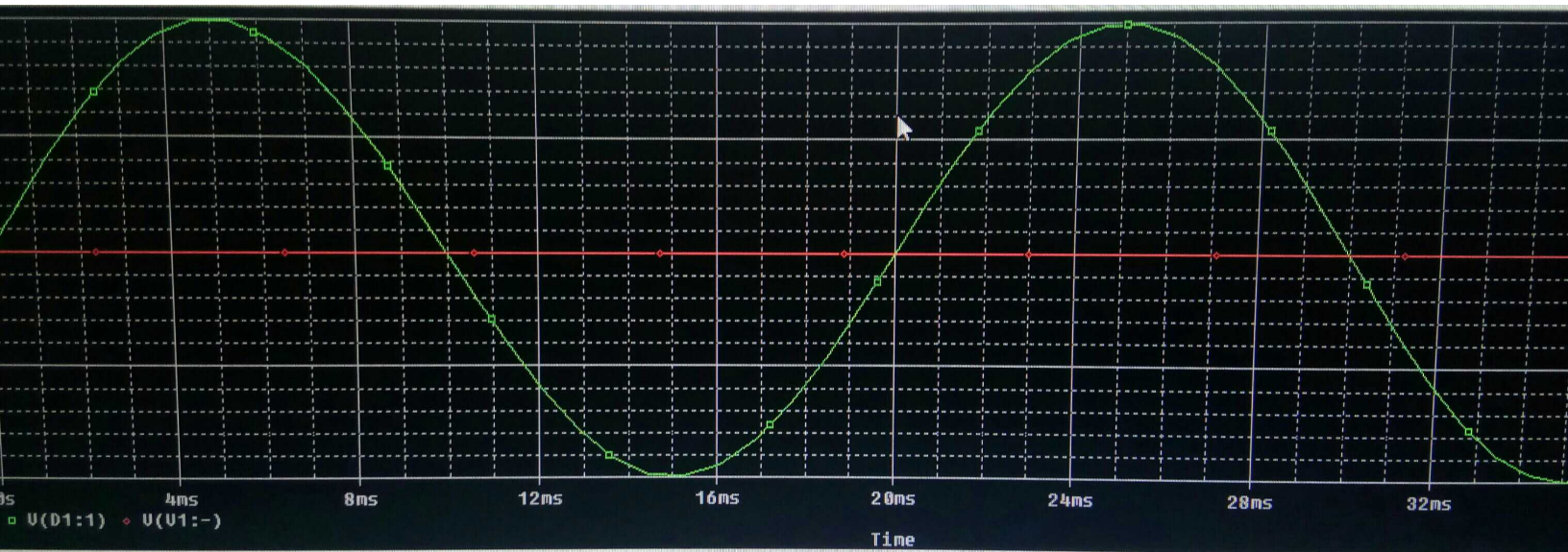




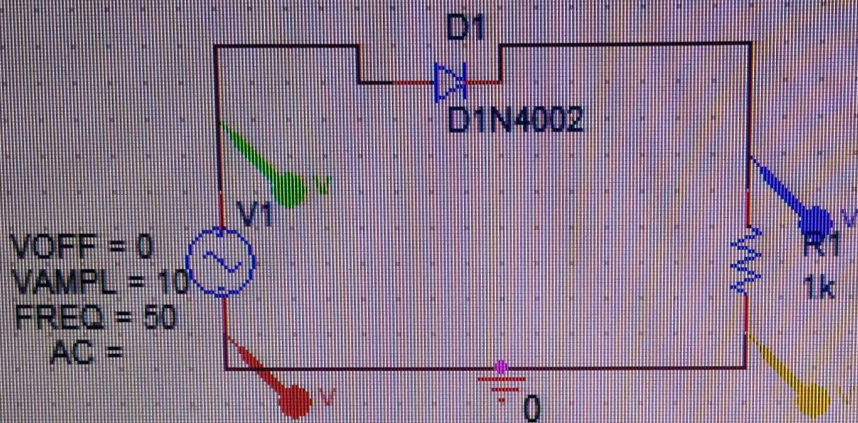
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