



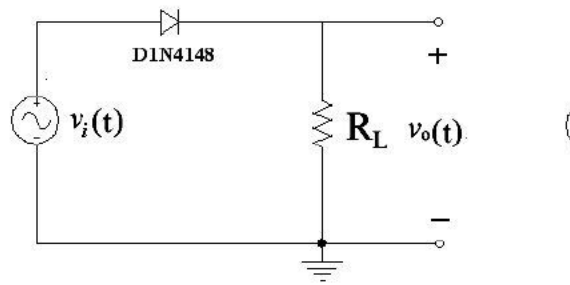
***BAŞKENT UNIVERSITY
ELECTRIC & ELECTRONICS ENGINEERING***

***EEM 214 ~ ELECTRONICS–I
LABORATORY
PRELIMINARY WORK***

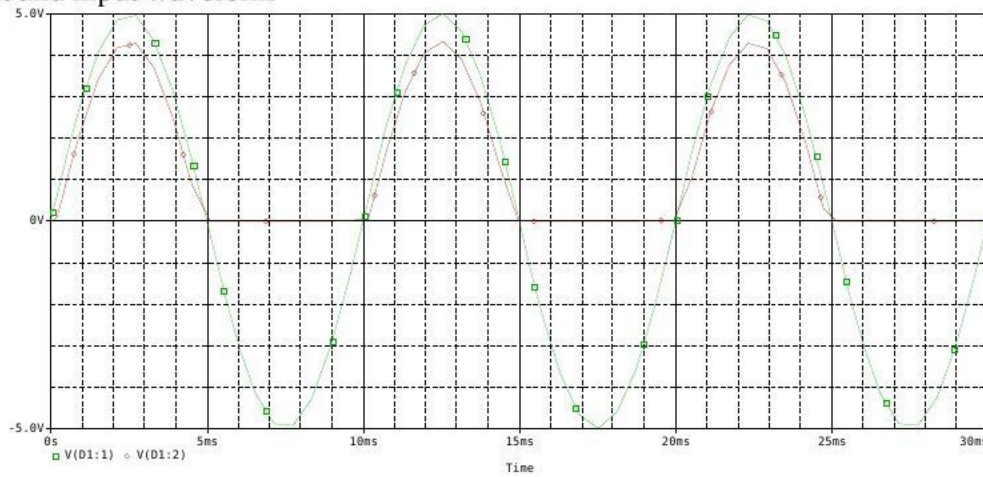
Experiment Name : Diode Rectifier Circuits
Experiment Number : 4

Student Name : XXXXXXXXXX	
Student Number : XXXXXXXXXX	
Section Number :	Experiment Day:

2)
a)

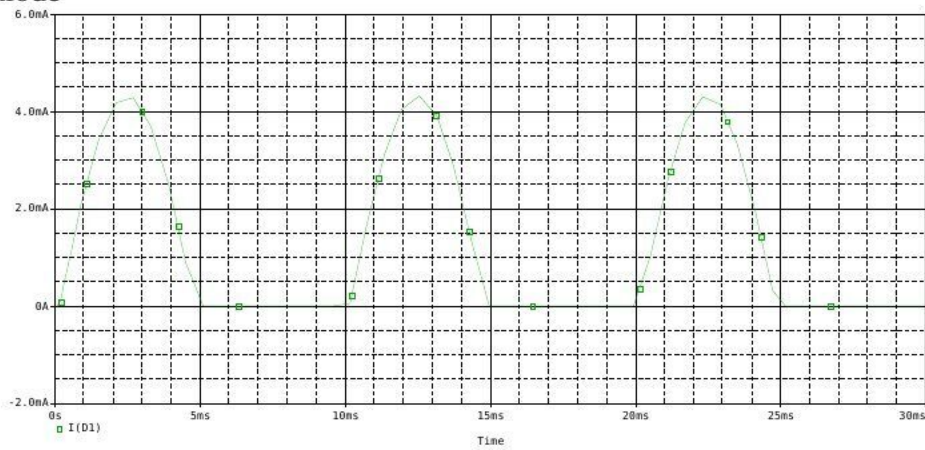


$v_i(t) = 5\sin(200\pi t)$,
our output and input waveform

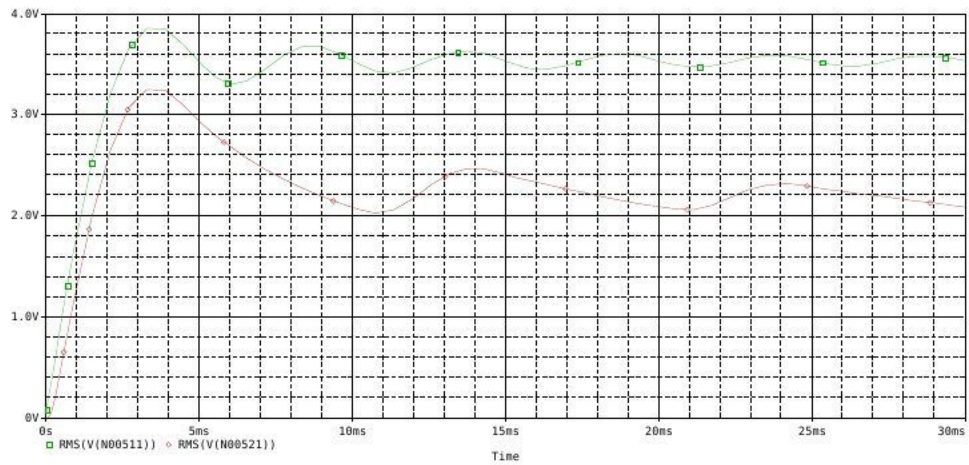


i/p - o/p

Current of diode

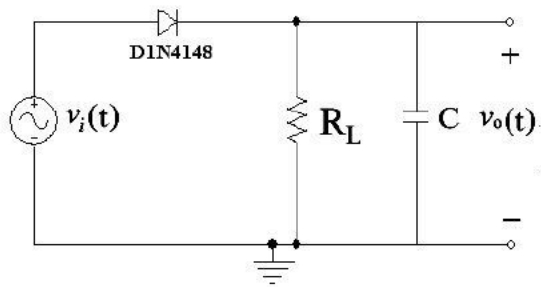


Current 1



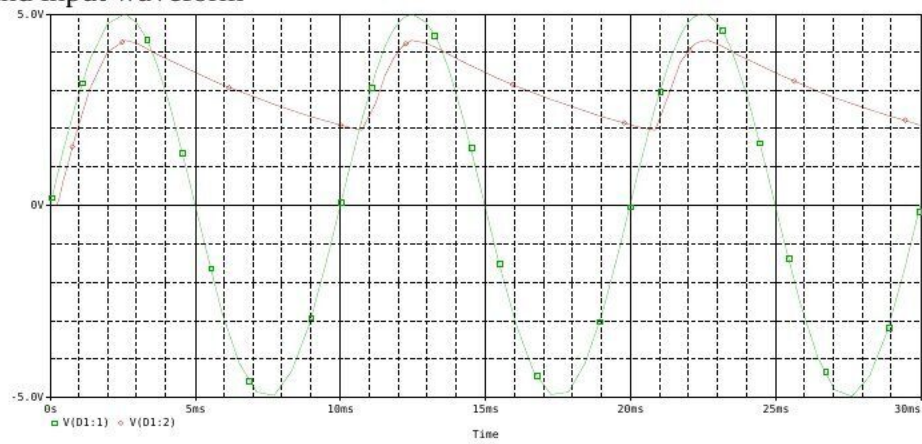
Rms 1

b)



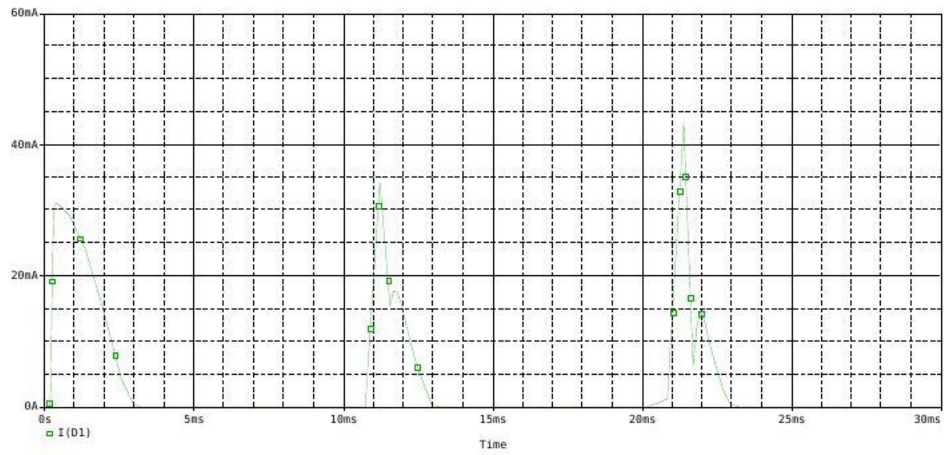
$$v_i(t) = 5\sin(200\pi t)$$

our output and input waveform

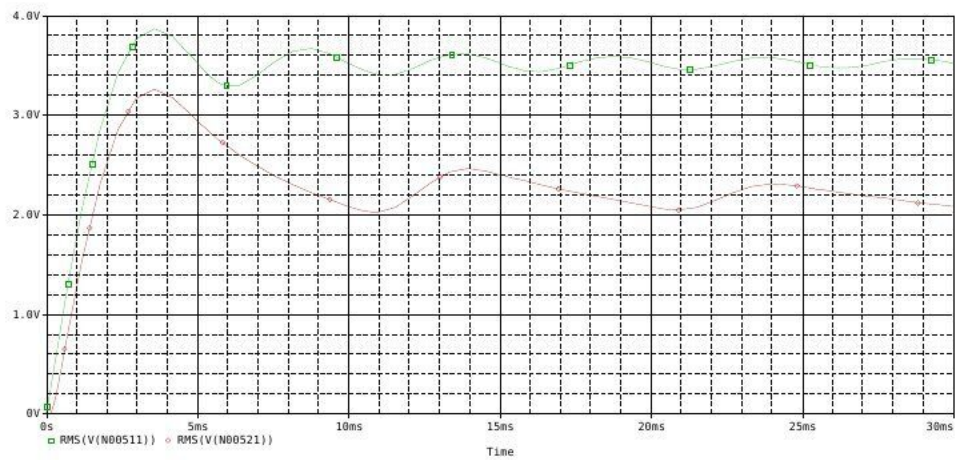


i/p - o/p

Current of diode

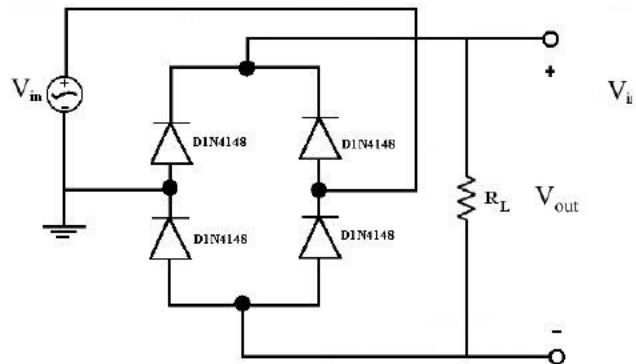


Current 2

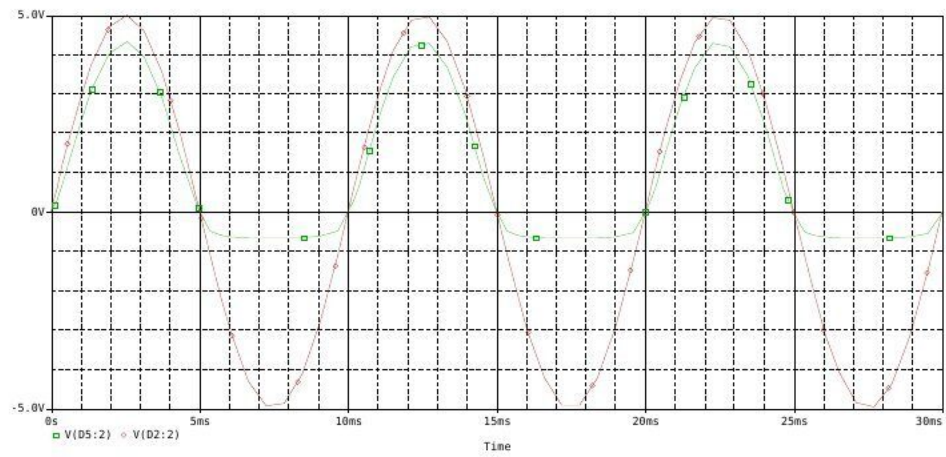


Rms 2

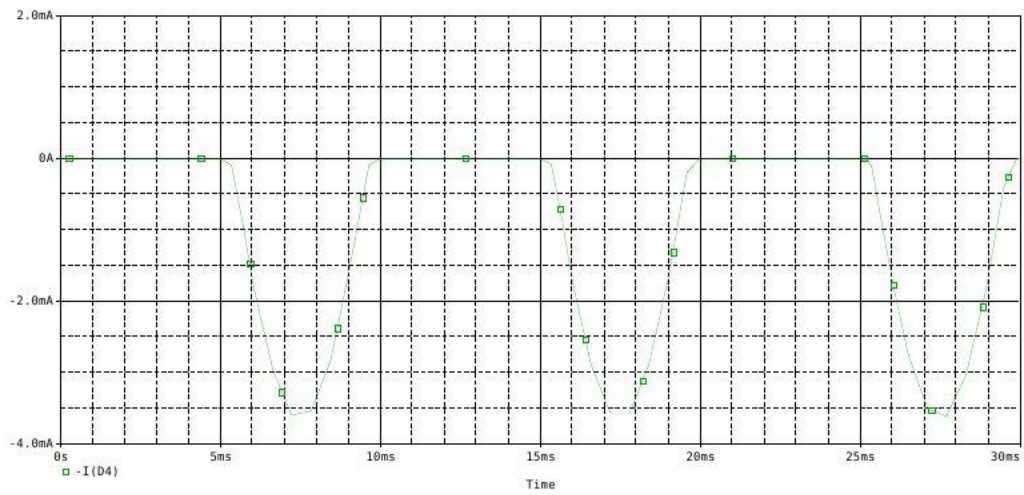
3) a)



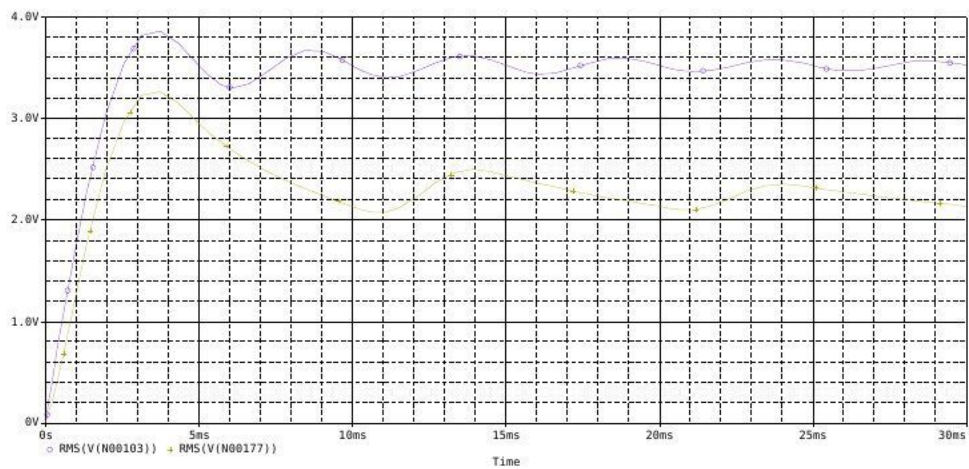
$v_i(t) = 5\sin(200\pi t)$
our output and input waveform



i/p - o/p

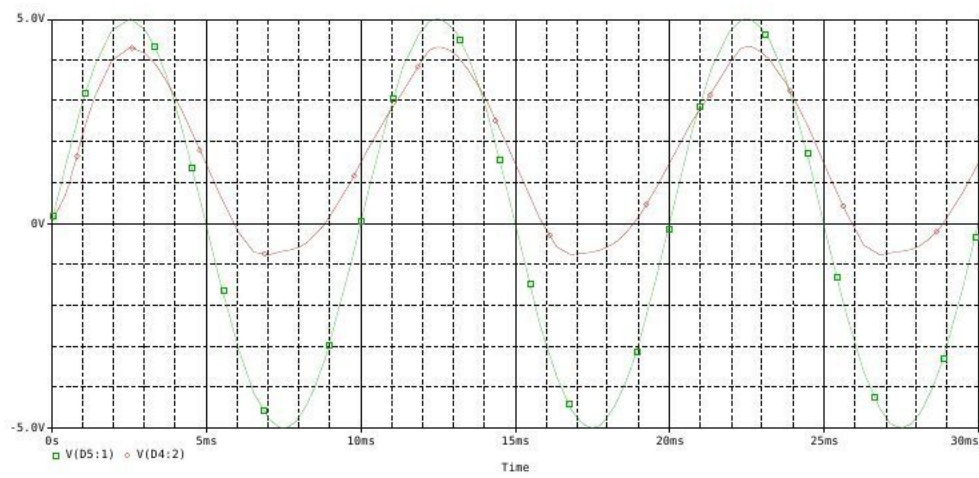
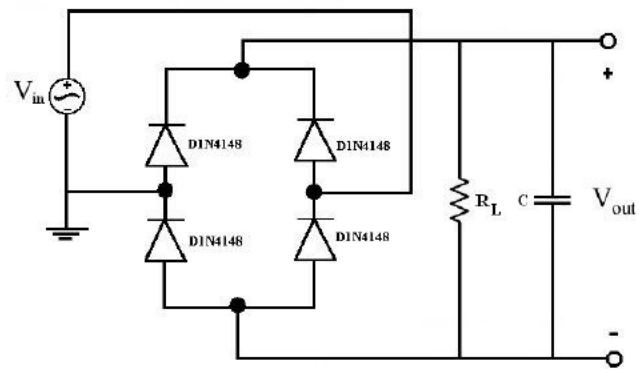


Current 3

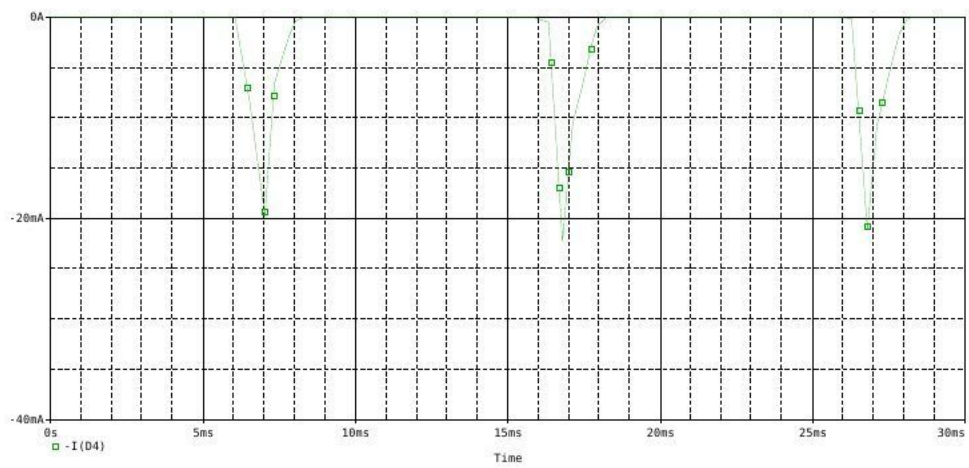


Rms 3

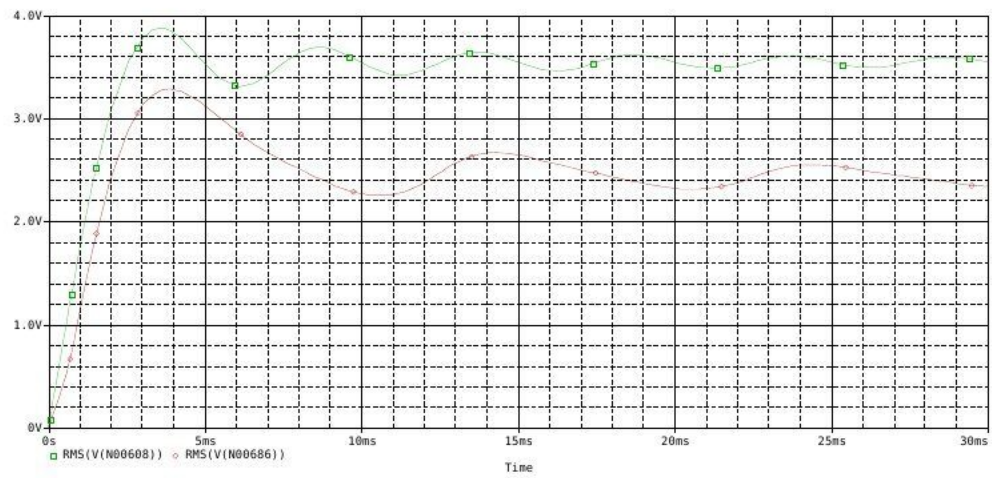
b)



i/p - o/p



Current 4



Rms 4