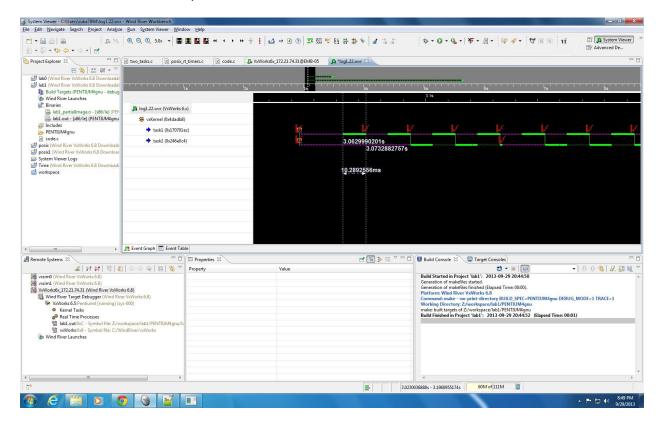


Q3).

Terms needed for 10ms computational time: 2498162

Terms needed for 20ms computational time: 4898459

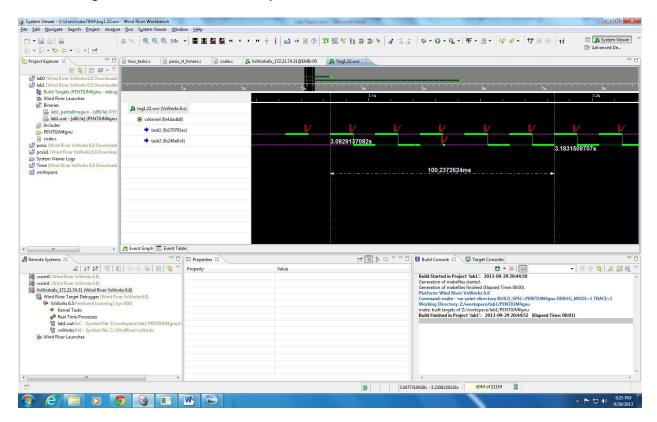


Q4).

Yes, the system is feasible. According to the Lehockzy Shah and Ding theorem, this task set is feasible if it shown to be feasible with RM policy over the LCM of the two periods (20ms and 50ms; LCM = 100ms). According to the system viewer plot, the system was shown to be feasible over a time of 100ms.

Q5).

The following screenshot shows that the system is feasible:



2	LAB	1 Sign Off	Sheet ECEN 4/5623
Name:	: Rutui;	Kaokhanis	4623 (5623 (Circle One)
Questio		10113	
a)	Student's unders	tanding of POSIX Time	ers
[]Aver	rage []Good	[] Excellent	
b)	Student's demon	stration of POSIX tim	er with at least 10ms resolution.
[] Aver	rage (1) Good	[] Excellent	
		of System View Trace	
[] Aver	rage J Good	[] Excellent	
Questio	on 2:		
	Fibonacci Code F	-	
[]Ave	rage []Good	d [] Excellent	
Questic	on 3:		
a)	Fibonacci Sequer	nce for 10 ms	at Target } Not shownat Target {No screenshot }
b)	Fibonacci Sequer	nce for 20 ms	at Target
Questic	on 4:		(No screenshot h
a)	Task Implementa	tion for 10ms and 20r	ms using Lehockzy, Shah, and Ding Theorem
Questic	- \	1,12	
1	[] Average	[] Good [] Exc	
-	- 15	is sidual.	d. the flow from when the times.
<u>Signatu</u>	ire:- Deoor	S.	ystem viewed trace not shown,
<u>Date:-</u> ○ ^C	1/29/2013		tudent was pastially correct wh
		C	oith the explaination of experience
		2	chedulability. for the two tasks
		-> (000	the same. Shown after. 90 minutes
		00	the second attempt.
			Desois