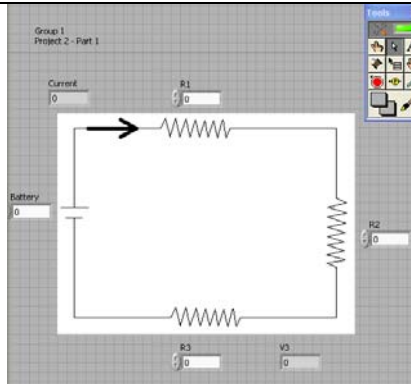
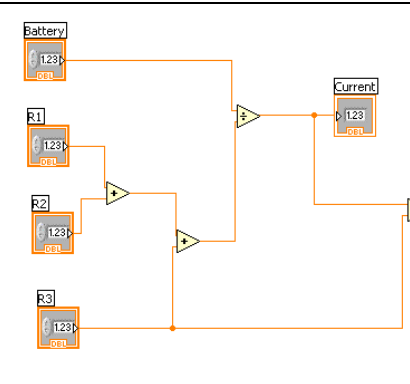
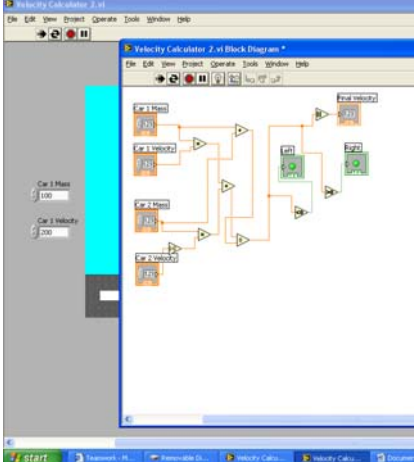
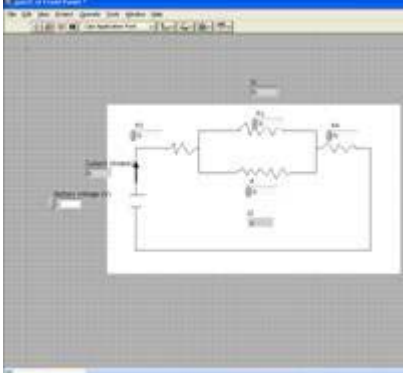
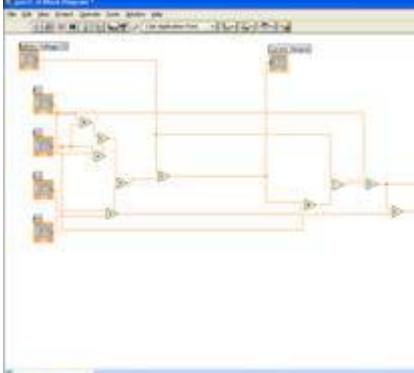
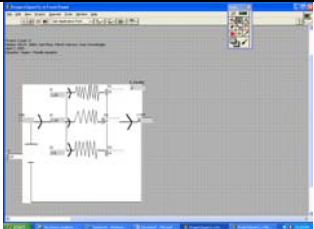
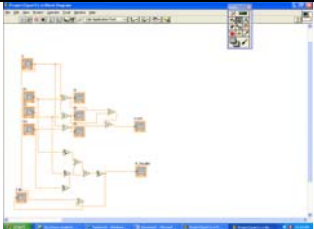
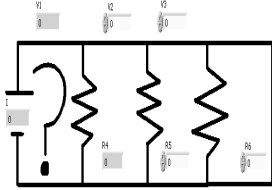
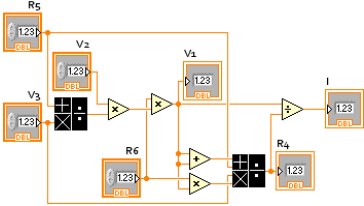
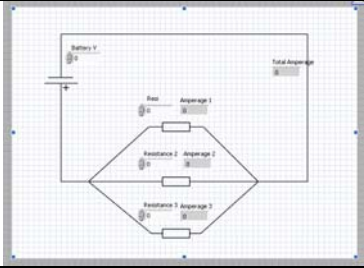


Engin 103 April 7, 2009 back to e-syllabus	Topics: Project 2 Part I Presentations Logbook questions
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Project 2 Part I Presentations

Team #	Brief descriptions of your VI	Insert a snap shot of the Front Panel. Resize the figure to a height of 2in	Insert a snap shot of the Block Diagram. Resize the figure to a height of 2in	Grade your team readiness for Part II: (1- still figuring what to do; 2- have the equations but not the VI; 3- have the VI and sub-VI with some errors; 4- VI and sub VI tested, ready to go)* Note: Office hours are Mondays (1-3pm) and Wednesdays (9-11am)
1	In the system we will solve the current and the voltage across the resistance R3.			3

2				
3				
4				
5	For the given resister, we are trying to find the current flowing through each resistor. For this, we calculated current for the whole circuit and for each part. After getting equation, we plug it into LabView and tested. Get errors, finally after checking each wiring we find out the error and fix it.			2 (we got the equation but still trying to figure out VI and sub VI)

6	Resistors (R) in parallel with the Battery Voltage (V) to get and check for the Current (I) Input and Output			4
7	Part 1 consists of a Virtual Instrument simulating a battery. Voltage and resistor values are known for some factors but not others; the VI will determine the battery's overall amperage and primary voltage.	 $V = R4 * I2 + R5 * I3 + R6 * I4$ $R4 = (V1 - V2) / (I1 - I2)$ $I = I1 / R4$		4
8				
9				
10				
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LOGBOOK: [example of a logbook page](#)

- Use a quadrille notebook; number all pages; date all entries
- Write your notes for all activities, thoughts, problems and solutions, and learning conclusions related to Engin 103. You should write down progress, outcomes, and conclusions on projects and teamwork; conclusions from class work (including LabVIEW) and homework.
- In addition you should answer in the logbook all questions listed in these notes in blue, as shown below:

35) Describe at least two LabVIEW elements not included in your team's VI but used in other teams' VI's.

36) Specify the inputs and outputs, with clear details including equations to obtain the outputs from the inputs, for your team Virtual Instrument to be presented as Part II of Project 2. List what LabVIEW elements will be used in the Block Diagram, how many times a subVI will be called in, and what elements will be included in the sub-VI, use LabVIEW terminology.

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