EE100Su08 Lecture #18 (August 6th 2008)

OUTLINE

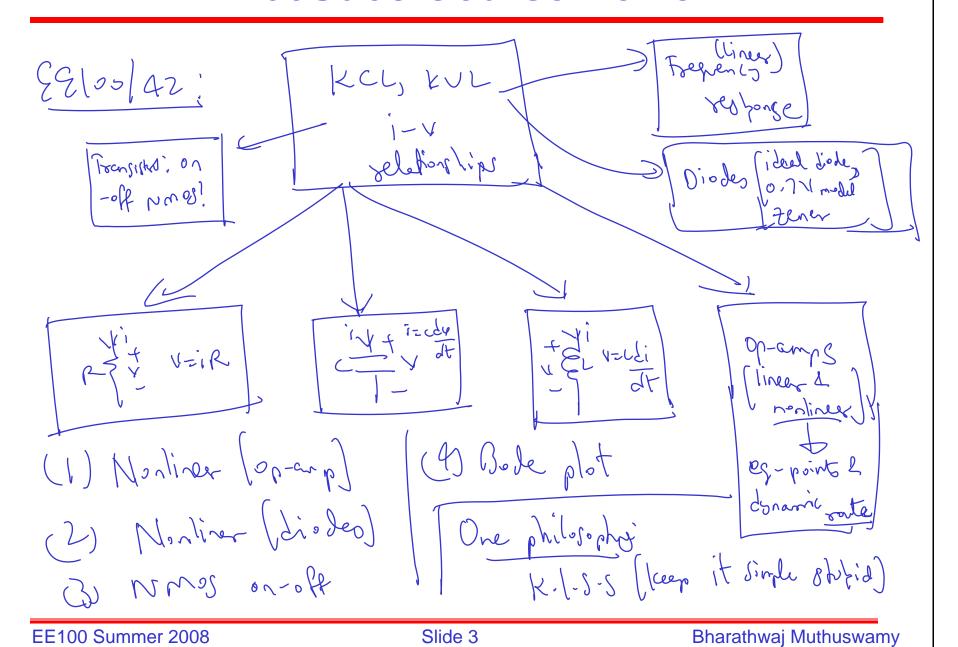
- HWs: Pick up from lab, CHECK SCORES ON BSPACE!
- Labs: CHECK SCORES ON BSPACE! REGRADE DEADLINE FOR ALL LABS (EXCEPT PROJECT SCORE) IS FRIDAY, AUGUST 8th 2008.
- HWs ≥ #4 and PROJECT REGRADES: IF YOU FIND AN ERROR AND YOUR FINAL CLASS GRADE IS AFFECTED, CONTACT BART AFTER THE FINAL. SAME GOES FOR FINAL EXAM! YOU CAN VIEW YOUR FINAL EXAM IN 253 CORY, ASK FOR ROSITA (SHE IS IN BETWEEN 8:00 AM 12:00 NOON and 1:00 PM 4:00 PM, Monday Friday).
- Lecture schedule:
 - Today: Review and Course Survey
 - Friday (08/08), Monday (08/11): NO LECTURE
 - Wednesday (08/13): TA review
 - Friday (08/15): Final exam

EE100Su08 Final Exam Information

- Exams homepage updated:
 - http://inst.eecs.berkeley.edu/~ee100/su08/exams/exams.html
- Your course reader:
 - http://inst.eecs.berkeley.edu/~ee100/su08/handouts/ee100su08reader.pdf

has a ton of old exam problems! UNDERSTAND and use these as review problems (of course, skip second-order bode plots, semiconductor physics and transistor analog circuits).

EE100Su08 Course Review



Review Porblems

(1) Sample finel, publem 2



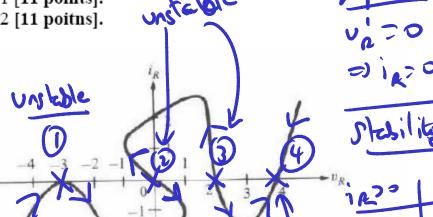
PROBLEM 1 [22 points]

(a)

For the circuit shown below, with the nonlinear i-v characteristic as shown in the figure, find all equilibrium states and classify each as stable or unstable:

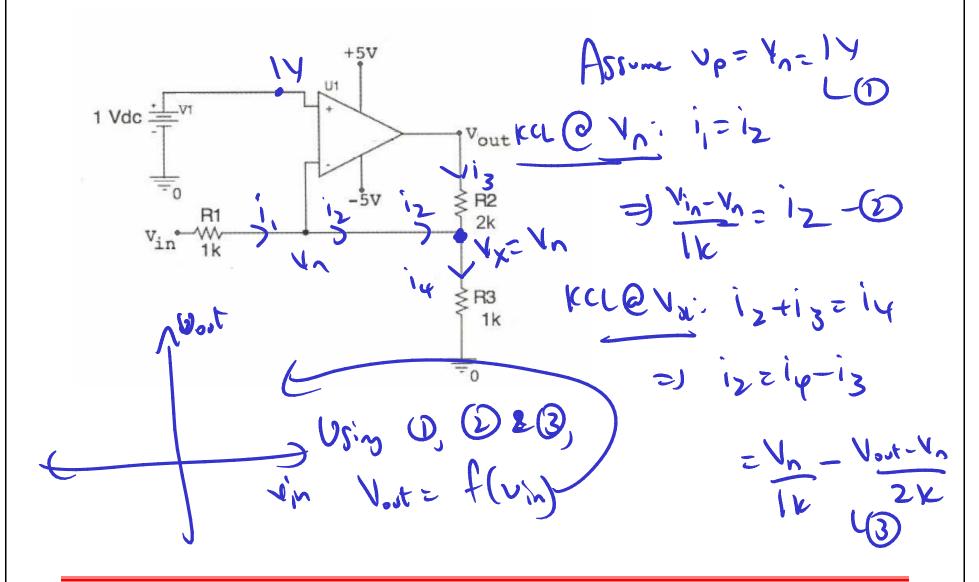
When the switch S is in position 1 [11 points].

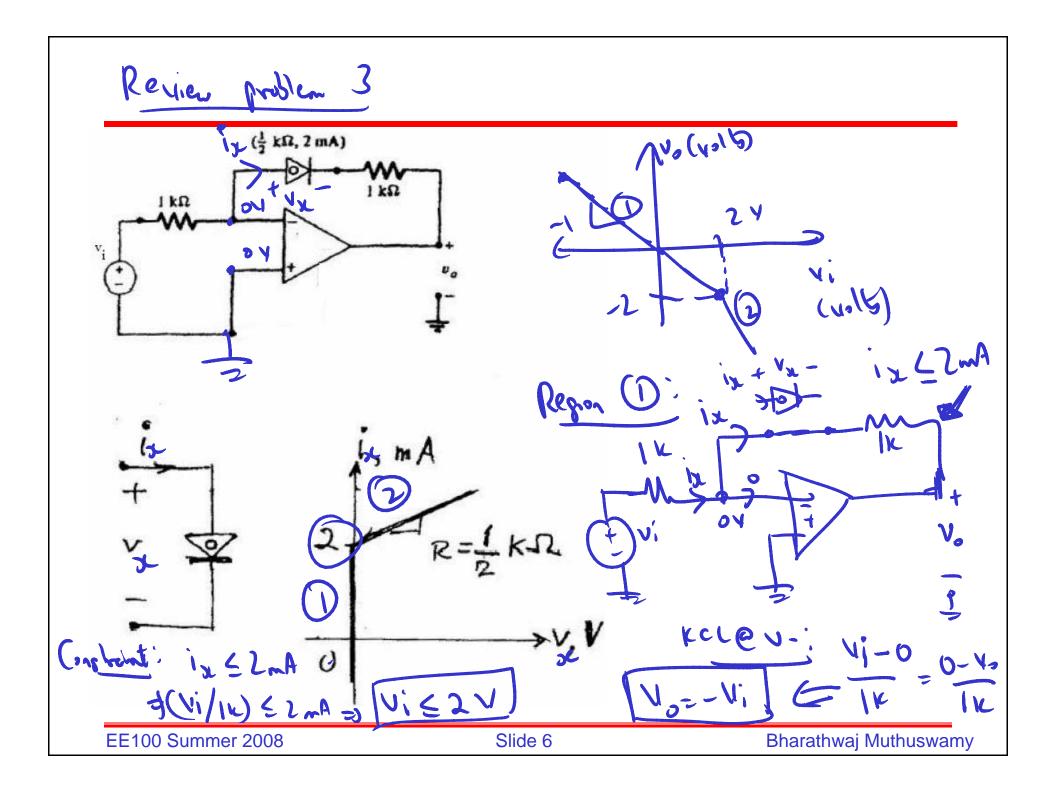
(b) When the switch S is in position 2 [11 poitns].



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Review problem 2





0,1 JV, <0.74 **EE100 Summer 2008** Slide 7 Bharathwaj Muthuswamy