University of Portland  
School of Engineering

EE 261  
Spring 2013  
A.Inan

Homework # 7—Transient Behavior of Second-Order DC Switching Circuits  
(Assigned on April 12, 2013; Due date: April 17, 2013, 1:35p.m.)

These problems are assigned from Introduction to Electric Circuits by Dorf/Svoboda (8th edition, pp. 401-414):

P 9.3-2. Second-order RLC circuit.  
P 9.4-2. Second-order RLC circuit.  
P 9.5-1. Second-order RLC circuit.  
P 9.5-2*. Second-order RLC circuit.  
P 9.6-2. Second-order RLC circuit.  
*Optional.

Please use the following guidelines for your homework solutions:
1) On the first sheet, at the top center, write: Homework #7-Solutions.  
2) Provide your full name on the upper right corner of the first sheet.  
3) Also write: EE 261/Spring 2013 on the upper left corner of the first sheet.  
4) Solve each problem on a separate sheet unless your solution is very short.  
5) Box all of your answers.  
6) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time.

Important reminder:  
EE 261-Midterm Exam # 3 is on Friday, April 19, 2013, 1:35-2:30p.m.  
Closed book exam, only 3 formula sheets are allowed.