1. **Testability Measures:** Compute combinational SCOAP measures for each labeled node in Fig. 7.39, p.207. Give Controllability and Observability numbers for each node.

2. **Dominator:** Problem 7.7b

3. **PODEM:** Problem 7.8. Do not use of any internal node assignments or mandatory value assignments. (make arbitrary decision when a choice is available during Back trace)

4. **Logic Implications:** Use only mandatory node assignments to solve Problem 7.19

5. **PODEM:** Use PODEM to generate a test vector for fault A/0 and another vector for Line14/0 in the attached TTL 4-bit ALU. For Controllability and Observability use approximate distance from PI and PO respectively. You may use mandatory assignments to reduce search. Show the decision tree in each case.

**Midterm Exam:** Wednesday, March 15, 2007. Closed Book and Notes, No Palmtops or Laptops. One 8½ x 11-inch sheet of notes allowed.