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Glenn L. Martin Institute of Technology ◆ A. James Clark School of Engineering

ENEE 244 Homework Set 11
(Due: Mon., May 5, immediately preceding Class 27, Tues., May 6, 2014)

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1. Read Chapter 5, Sections 5-7 through 5-10 and Section 7.6.1 of Chapter 7 in Givone's text.

2. Implement the following four functions $A(x,y,z)= \Sigma(1,2,4,6)$, $B(x,y,z)= \Sigma(0,1,6,7)$, $C(x,y,z)= \Sigma(2,6)$, and $D(x,y,z)= \Sigma(1,2,3,5,7)$ by placing an X at each cross point where the fuse remains intact when implementing the four functions in the three input four output PLA shown below.
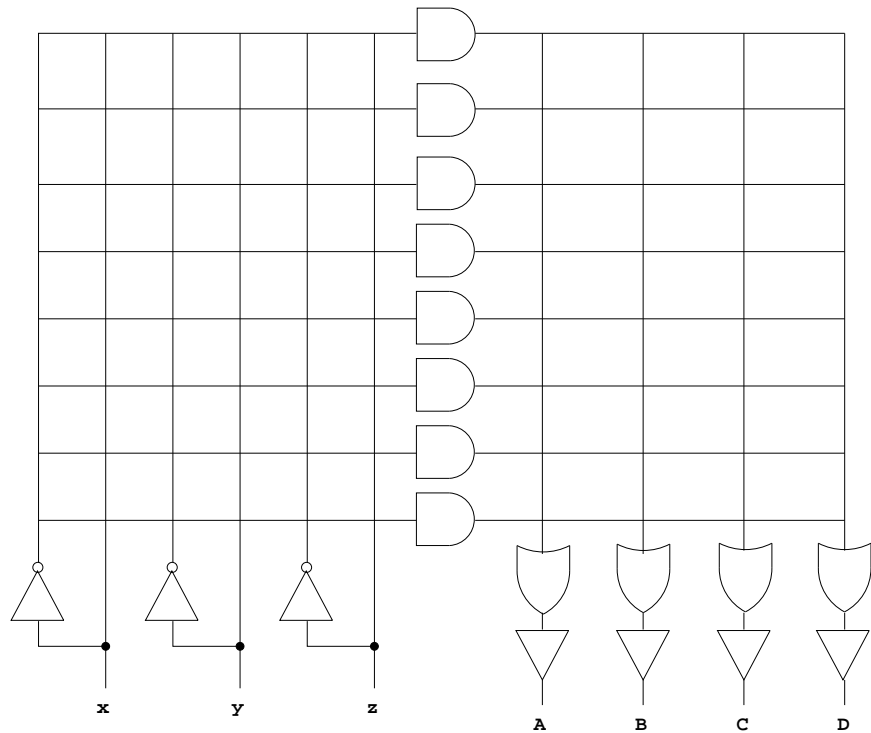
3. Work problem 5.27.

4. Work problem 5.29.

5. Work problem 5.30.

6. Work problem 5.31 a.&c.

7. Work problem 5.32.

8. Work problem 7.11.

9. Work problem 7.15.

10. Work problem 7.17.

11. Work problem 7.18.