

PRACTICE PROBLEM 8.3.2h

JG 12/98

As a team:

1. Write a 1 or 2 page description of your project. Include a block diagram of the design concept you've developed for your project and use it as a focus for your written description.
2. Based on the above description, develop and present a precedence table for the specifications and **parts** and/or **components** and/or **subsystems** of your project that **YOUR TEAM** will **DESIGN**. Note that components such as micro-controllers, speakers, batteries, enclosures, switches are **purchased**. They are **NOT** designed. Be sure to make this distinction when constructing your precedence table.
3. From the precedence table, determine the precedence matrix for your project and iterate the matrix entries until the number of entries above the diagonal is minimized.
4. Identify which components are subject to unavoidable iteration. Explain how your team plans to deal with the design of these components.
5. Give a one or two page summary of the conclusions you drew from your precedence table and matrix.

Reference

W. H. Middendorf and R. H. Engelmann, Design of Devices and Systems, Marcel Dekker, 3rd ed., 1998.