

HW9

1. Consider the system in Figure 3.13 .
 - a. With nodes as numbered display the admittance matrix with label "x" for non-zero entries "o" for zero entries, and "f" for fill ins during LDU factorization. Repeat for node ordering using Scheme 0
 - b. Assume scheme 0 ordering
 - i. Show me all necessary sparse storage lists assuming that the matrix is symmetric and taking into account the fill ins.
 - ii. In Mathcad or Matlab show me how to find the entries in row(column)
 - iii. Calculate the LDU factors using sparse storage
 - iv. Calculate Z_{11} from the sparse stored factors
2. Work Text Chapter 3, P1 part a, and P3 (page 78)
3. Show a complete NR and fast decoupled load flow for the system shown below

