Review for Final (Wed., Mar. 18, 2:30–4:20 pm)

YOU MAY BRING IN ONE $8\frac{1}{2}$ by 11 SHEET OF PAPER WITH NOTES.

You will be expected to know all material from before the midterm, but the questions will emphasize material covered *after* the midterm. The final will cover:

- Secs. 3.6 and 3.7.
- Ch. 11, *except* Secs. 11.4.5, 11.4.6, and 11.6.4.
- Ch. 12, *except* Secs. 12.2.2 and 12.6.
- Ch. 13, *except* Secs. 13.3.6 and 13.4.2.

To review:

1. Make sure you can do all of the assigned homework exercises.
2. For extra practice, choose additional related problems in Secs. 3.6–3.7 and in Chs. 11–13. Many have answers in the back.
3. Algorithms that you should know include the following:
    - Binary search.
    - Bubble sort and quick sort.
    - Depth-first search for connectedness and finding a strongly connected orientation.
    - Algorithm for finding an Eulerian closed chain.
    - Algorithm for finding a maximum matching.
    - Kruskal's and Prim's minimum spanning tree algorithms.
    - Dijkstra's shortest path algorithm.
    - Maximum flow algorithm.