

Additional details for Final Exam

There are 7 problems on the final exam as follows:

- 1 problem deals with parallel algorithms.
- 1 problem deals with multi-way trees (comprehensive portion)
- 5 problems deal with graph algorithms

Flow network problems are restricted to the simple algorithm we covered first. The Ford-Fulkerson algorithm will not appear on the final exam.

Be very familiar with all of the various shortest path algorithms, minimum spanning tree algorithms, DAG algorithms, and Euler circuits.

Know the various graph representation schemes.

Know the various problem solving strategies of brute-force, divide and conquer, and dynamic programming. Greedy method as applied in the various shortest path algorithms. Several of the graph algorithms employed dynamic programming.