Computational Complexity

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1 Dynamic Programming

- 1. Matrix Chain multiplication.
- 2. Longest common subsequence.
- 3. The Typesetting problem.
- 4. The generic graph exploration algorithm.
- 5. Depth-first search and Breadth-first search.
- 6. Middle-first search.
- 7. The All-pairs shortest path problem.
- 8. Proving correctness of DP algorithms.