

Final Review

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Although the final will focus on material learned since Quiz 2, no material is off-limits. This review handout covers the material taught after Quiz 2.

1 Dynamic Programming

1. When would you use dynamic programming? What types of problems does it help solve?

2. What is optimal substructure?

3. What are overlapping subproblems?

4. Describe the procedure for performing a Givens rotation? How does this rotation modify the matrix?

5. How do we form an upper triangular matrix by using Givens rotations? Does the ordering of rotations matter?