

18.417 Introduction to Computational Molecular Biology

Problem Set 2

Issued: September 22, 2005

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Due: October 13, 2005

This problem set is a bit longer than the others. This is primarily because our section on dynamic programming is longer than the others. Start this early.

1. 6.6 of JP.
2. 6.9 of JP.
3. 6.17 of JP.
4. 6.18 of JP.
5. (*) 6.23 of JP.
6. 6.35 of JP.
7. 6.37 of JP.
8. 6.44 of JP.
9. (*) 6.51 of JP. You should be able to get an $O(n^3)$ algorithm. If you can get an $O(n^2)$ algorithm, I'll consider it *extra credit*.
10. (*) 6.57 of JP.
11. 7.3 of JP. Consider the third algorithm asked for to be *extra credit*.