

18.417 Introduction to Computational Molecular Biology

Problem Set 5

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1. 10.2 of JP. Since you should be able to create an arbitrarily bad instance, I do not know what sort of “performance guarantee” they are asking about. If you find out, let me know.
2. 10.5 of JP
3. 10.10 of JP. For this problem, assume $n = 2l - 2$ vertices and l distinctly labelled leaves and no labels on the internal nodes (like figure 10.23).
4. 10.12 of JP
5. 10.13 of JP
6. 10.15 of JP. For this problem, assume 6 distinctly labelled leaves with 4 unlabelled internal nodes (see figure 10.23).