

CS 497 — Randomized Algorithms

Fall, 2002

Homework 2, Due 10/8/02 23:59:59

Homework

1. (2) Read section 2.1 in [MR95] and understand it. Do two problems out of 2.1, 2.2, 2.3 in [MR95, page 41].
2. (1) Read section 4.3 in the Randomized Algorithms and understand it. And do problem 4.13 in [MR95, page 99].
3. (3) Do three questions out of the problems listed in [MR95, pages 64–66].
4. (4) Do four questions out of problems 4.1, 4.4, 4.6, 4.7, 4.8, 4.9, 4.14, 4.22 in [MR95, pages 97–100].

Guidelines

Homeworks are done in singletons, and I expect you to work on them independently.

If you have any questions, feel free to come to my office hours (Thursday 16:00-17:00). Please email me if you plan to come, so I would be sure to be around. Also, I would like to encourage you to send questions to the newsgroup (`uiuc.class.cs497shp`).

It would be nice of you to type your homeworks, but this is not required, and would not result in any extra credit.

References

- [MR95] R. Motwani and P. Raghavan. *Randomized Algorithms*. Cambridge University Press, New York, NY, 1995.