

16

Space bounded computation

PLAN: Example of space bounded algorithms, importance of preserving space. The classes L and PSPACE, space hierarchy theorem, $PSPACE = NPSPACE$, constant space = regular languages.

16.1 LECTURE SUMMARY

16.2 EXERCISES

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Remark 16.1 — Disclaimer. Most of the exercises have been written in the summer of 2018 and haven't yet been fully debugged. While I would prefer people do not post online solutions to the exercises, I would greatly appreciate if you let me know of any bugs. You can do so by posting a [GitHub issue](#) about the exercise, and optionally complement this with an email to me with more details about the attempted solution.

16.3 BIBLIOGRAPHICAL NOTES

16.4 FURTHER EXPLORATIONS

Some topics related to this chapter that might be accessible to advanced students include: (to be completed)

16.5 ACKNOWLEDGEMENTS

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RANDOMIZED COMPUTATION

