

Intractability

Textbook: Chapter 9

Space Hierarchy Theorems

Time Hierarchy Theorems

EXPSPACE-Completeness

- ▶ Recall: *EXPSPACE* is the set of all problems solvable given exponential space
- ▶ $EXPSPACE = \bigcup_k SPACE(a^{n^k})$

Relativization

Circuit Complexity

Next up: Advanced Complexity Analysis