



Studying for the final



What you should focus on

- Algorithmic aspects in bottom up parsing
 - First/Follow/Viable prefixes automaton/ SLR parsing / Table conflict resolution.
- Writing syntax-directed definitions/ translation schemes.
 - inherited/synthesized attributes
- Type systems and Semantic analysis.
- Translating to intermediate code representation
 - templates for all instructions
- Basic blocks analysis/ control flow graphs.
 - Liveness analysis and register allocation intrablock
 - Liveness analysis across blocks.



From the Text

Chapter 4

4.1, 4.2, 4.4.2, 4.5, 4.6, 4.7.1-4, 4.8

Chapter 5

5.1-4, 5.5.1, 5.5.3

Chapter 6

6.2-4, 6.5.1-4, 6.6, 6.8, 6.9

Chapter 7

7.1, 7.2.1-3

Chapter 8

8.1-2, 8.4, 8.6, 8.8

Chapter 9

9.2.5

You should study from the notes and consult the text for the sections listed here.



What you should not focus on

- Lexical analysis
- Top down parsing
- Predictive recursive parsing
- Run-time organization
- Memory management
- Architecture specific issues
- Assembly language