Exam Review:

Help sheet

algorithm parsing

not require material from first exam

We stopped at transducers / aho karazik?(bioinformatics)

-Searching for tokens/tokenization where we have multiple/possibly overlapping tokens

-Grammar / Grammar refinements

-Parsing

Questions

-context free grammar - left/right derivation and parsing trees

-recursive descent parser - understand conditions and refinements - method for each non-terminal D2L

-lr1 parsing - top down parser - what refinement required for this type of parsing technique

-Predictive parsers - Need to know how to generate first to follow? for the predictive parsing tables

-Precedence and Associative properties of no context grammars

-Ambiguities context free grammars

-Elimination of left recursion

-Normalization - Two things R.. C..

-Maybe left-factoring

-Operator grammars - operator precedence parsing - first and last - parse

-Searching based parsing - one of the breadth-first bottom-up or depth-first bottom up

Gary’s Review

Parsing Algorithms

Nothing from Exam 1

Transducers

Aho-corrasick algorithm

Overlapping Tokens

Grammars

Refinements

Parsing.

What is a cfg

- Leftmost Derivation

- Rightmost Derivation

Recursive Descent parser(Check D2l for example)

LL1 parsing(topdown). What kind of refinements are needed to do LL1 parsing

Predictive Parsers:

- what is first and follow, how to do it.

- Predictive Parsing Tables.

-How to handle operator Precedence.

-Removal of ambiguity in grammars

- Can you disambiguate a CFG

- if grammar has left recursion, eliminate it,

- Chomsky Normalization

- Left Factoring

- Bottom-up parsers(operator grammars, operator precedence table)

Need to know one of the DFBU/DFTD/BFBU/BFTD algorithms for parsing