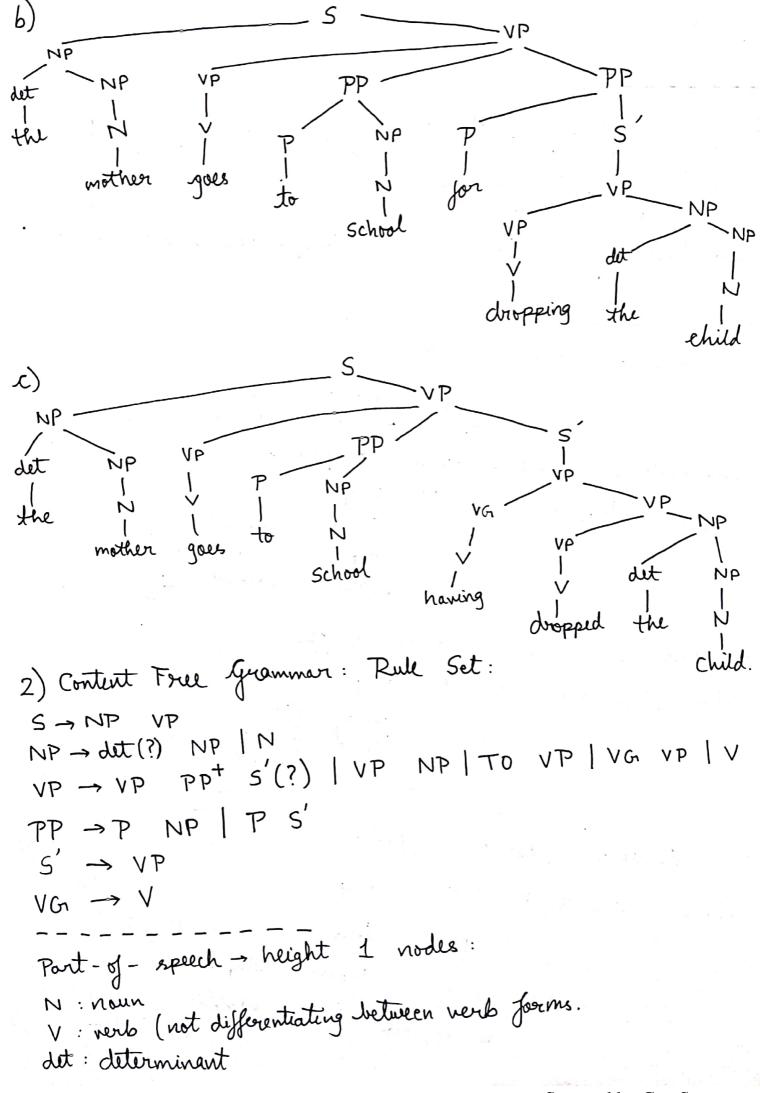


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P: preposition
To: "to"
NOTE: Ilving universal dependency notation for the dependency Porking & a modified version of standard constituency partiabels. Refer to the CFG for better understanding. A similar notation was followed in courses like A similar notation was followed in courses like Introduction to Inquistics, & Computational Tinguistics
3) Sentence 1: Word Form: drop Feature Structure: [root drop agn [stense Present] agn [aspect Simple]
Sentence 2: Word Form: dropping Feature Structure: [root drop agr [tense Present agr [rogressive] voice Passive]
Sentence 3: Word Form: dropped Feature Structure: aga tense Part aspect Simple voice Parsive
Eature Structure: [root drop agr [tense Bimple voice Passive]

- The noots for all the verbs is the same. We can differentiate between the verb forms using "tense" & "aspect" features.
- · Having feature specifications reduces the number of CFGr would capture all the rules. Let's say over CFGr would capture all the granularity as seen by the feature aflectication.

This leads to having 3 different tags/labels for height 1 nodes in the CFG trees (leading to leaves) for the 3 different works. e.g: VB for 'drop', VBG for 'dropping', VBD for 'dropped', etc.

But in feature apleification, weeks can be captured by only I sule. The feature matrix handles—the lay only I sule. The feature matrix handles—the syntactic granularity. As one moves bottom-up syntactic granularity. As one moves bottom-up from leaf wodes, overtly specific features & prudicates from leaf wodes, overtly specific features & prudicates maybe pruned out, further ruducing the complexity. maybe pruned out, further ruducing the complexity. e.g.: We may choose to prune out JJ-phrases e.g.: We may choose to prune out JJ-phrases will & ADVCLS. elearly, the number of rules will be less while using feature specifications.

4) For the 3 sentences: Word Form: mother, clause: The mother

feature specification: [spec definite root mother ager [number singular] gender female

Word Form: goes

Feature Specification: [nost go agn [tense Present aspect Simple]

number singular

Now, while finding the specification of higher forms ->

'The mother goes': number is seen as a common feature. Hence, an agreement check is conducted.

Jeature. Hence, an agreement check is conducted.

Since: values of both specifications have singular for number, the unification is accepted.