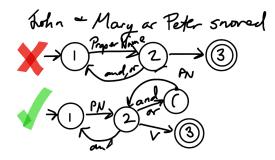
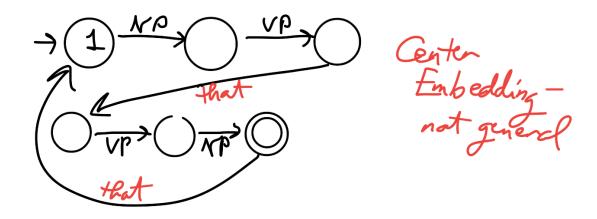
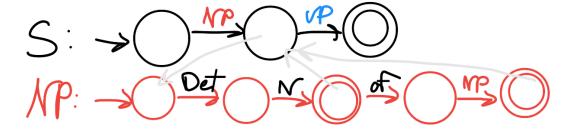
2 - Aug 28th, trees from string models



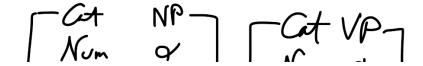
Depending on the run over the string, we can get additional structural information.



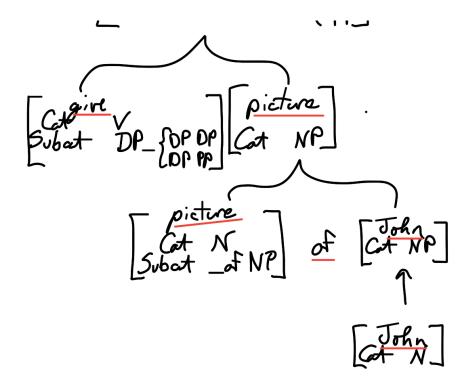
tree structure —> eliminates redundancy, allows for generalizations —> Recursive
Transition Network RTN. as long as no unbounded recursion, evaluates to FSA, but also
tree-like.



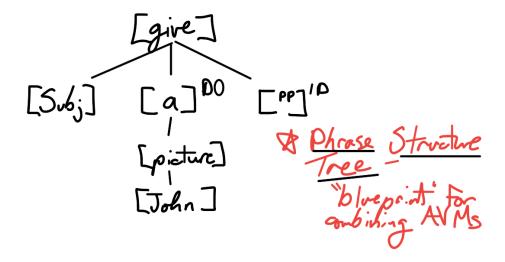
- Competence/Performance the distinction doesn't actually matter. The recursive cut-off is so deep it isn't interesting to us.
- Context Free Grammar
 - Phrase Structure Grammar
 - Attribute Value Matrices introduced to simplify FSAs by allowing more general rules



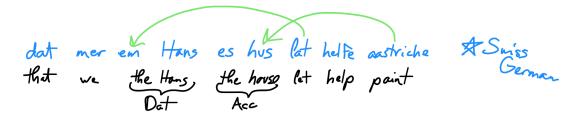
- GSPS Generalized PSG, Gazdar, Klein, Pullum, Sag 1985
- ECPO Exhaustive Constraint Partial Ordering
 - Divides into immediate precedence rules and dominance rules



• CFG —> PSG —> AVMs —> Lexicalization



• Crossing dependencies go beyond the context-free boundary (the same way center embedding is non-regular). CFG accounts for nesting but not crossing.



TREE ADJOINING GRAMMAR

