# Phrase Structure Rules

- S → NP VP
- NP → Det (A) N
- NP → PRN
- NP → PN

$$NP \rightarrow \begin{bmatrix} Det\ (A)\ N \\ PRN \\ PN \end{bmatrix}$$

- NP → {Det (A) N, PRN, PN}
- VP → V (NP) (NP) (S) (PP)
- PP → P NP
- Recursiveness       Universal

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# Recursive Structures

- [$_S$I know that [$_{S1}$he is a student]]
- [$_S$I know that [$_{S1}$he is the student [$_{S2}$who dropped the course]]]
- [$_S$I know that [$_{S1}$he is the student [$_{S2}$who dropped the course [$_{S3}$that he didn't like]]]]
- [[$_{Comp}$that] [$_S$he is a student]]

- Complementizer       Comp

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