

Categories:

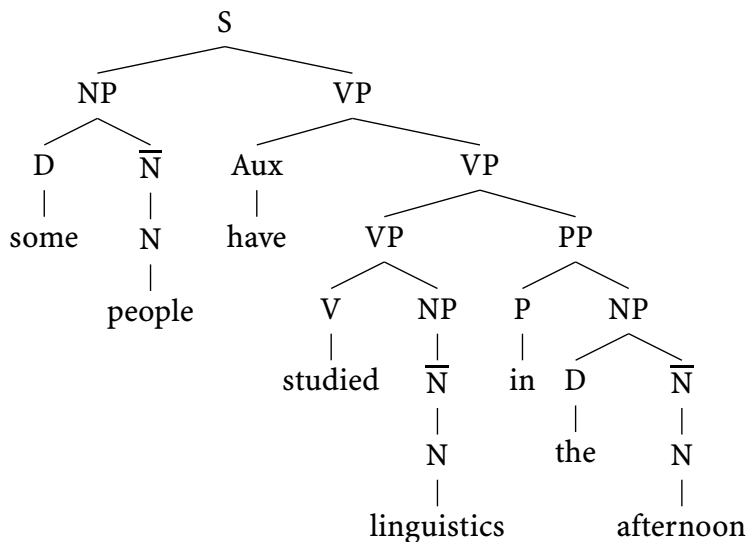
- N(oun): *car, tree, her, Sam, children, discussion, who, what, ...*
- V(erb): *eat, sleep, die, give, put, stand, ...*
- P(reposition): *to, on, because, before, until, of, under, ...*
- A(djective): *blue, black, sad, happy, long, loud, difficult, ...*
- D(eterminer): *the, that, this, a, some, many, most, every, ...*
- Aux(iliary verb): *have, be, do, must, may, should, shall, will, might, can, ...*
- C(omplementizer): *that, if, whether*

Phrase Structure Rules:

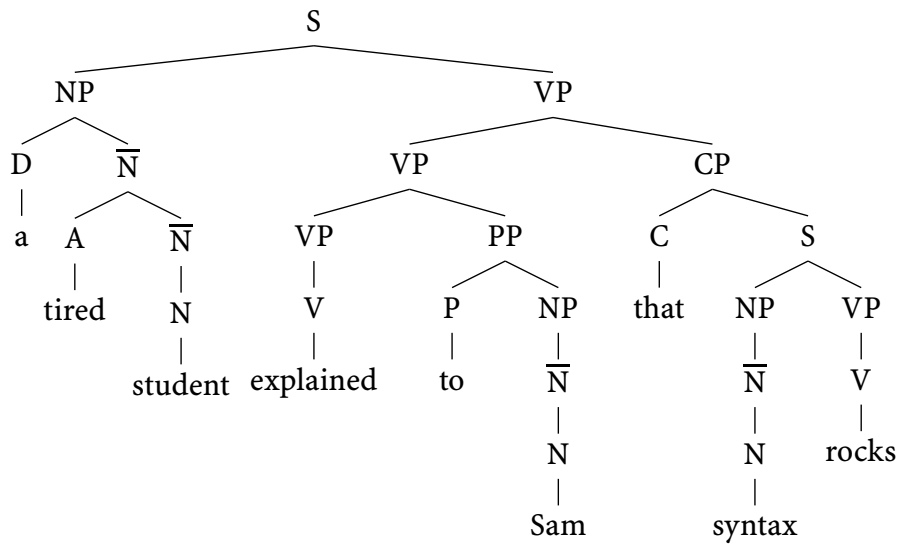
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|----------------------------------|-------------|
| CP → C S | S → NP VP |
| NP → (NP's) \bar{N} | S → CP VP |
| NP → (D) \bar{N} | VP → VP PP |
| \bar{N} → A \bar{N} | VP → VP CP |
| \bar{N} → \bar{N} PP | VP → V (NP) |
| \bar{N} → \bar{N} CP | VP → Aux VP |
| \bar{N} → N | PP → P NP |
| α → α and α | PP → P S |

Some illustrative examples:

(1) Some people have studied linguistics in the afternoon.



- (2) A tired student explained to Sam that syntax rocks.



- (3) The dog chased a kid with freckles and ate the kid's foot.

