- Frázová pravidla
- S → NP VP
- S → NP AUX VP / NP / AdjP / AdvP / PP
- S → NP MOD VP
- NP → AdjP N
- NP → N PP
- NP → Det NP
- VP → V NP
- VP → V NP NP
- VP → V NP AdvP / PP
- VP → V PP
- V → AUX V
- AdjP → AdvP Adj
- AdjP → Adj PP
- PP → P NP
- NP → N
- VP → V
- AP → A
- AdvP → Adv
- PP → P

S

NP

VP

DET

NP

V

N
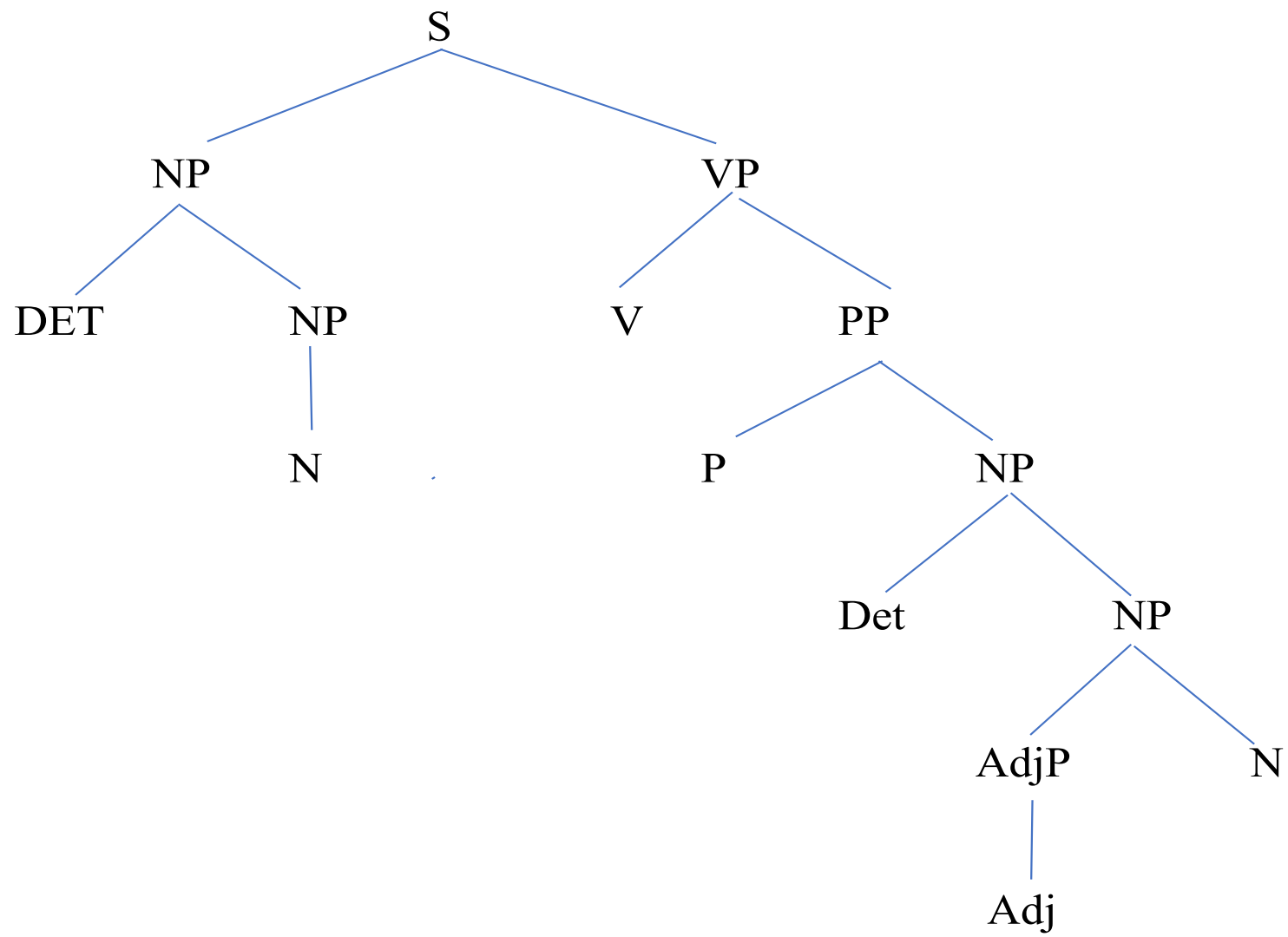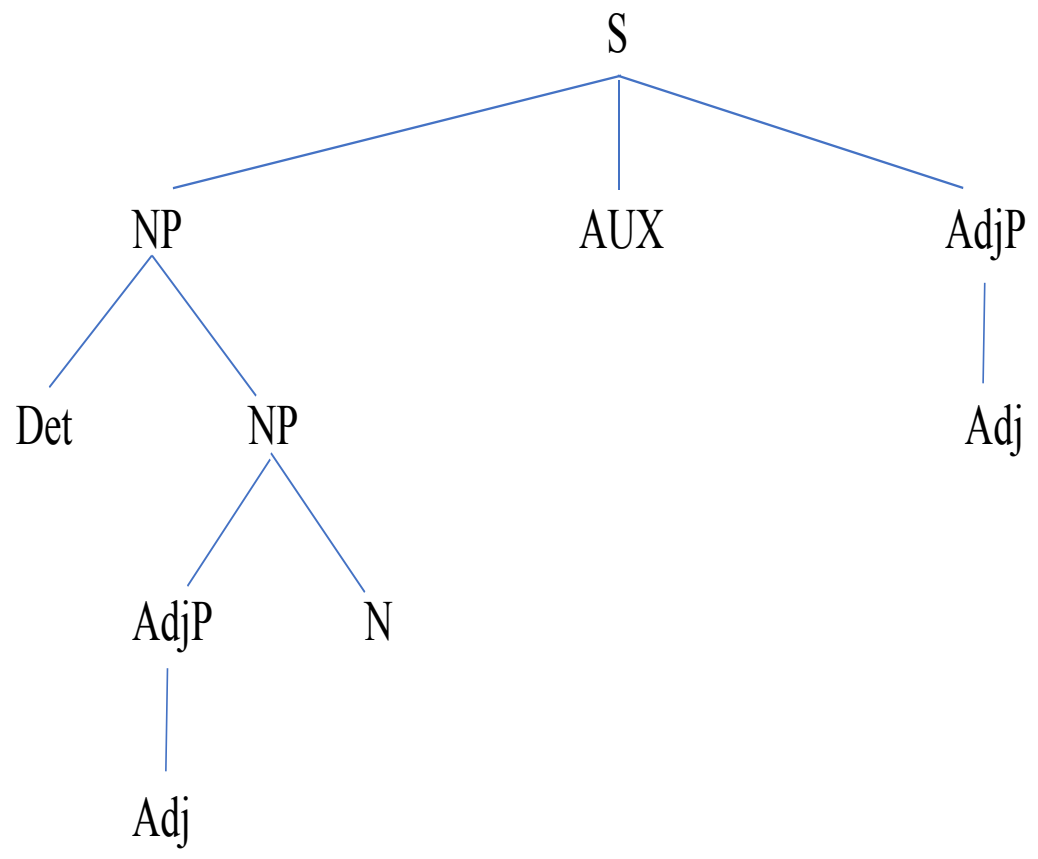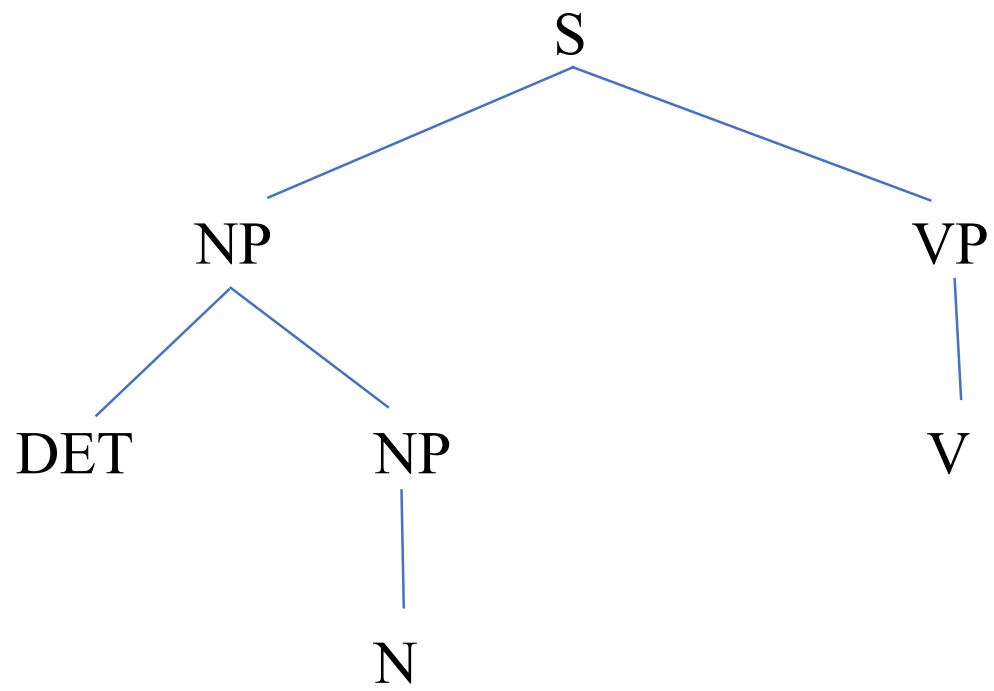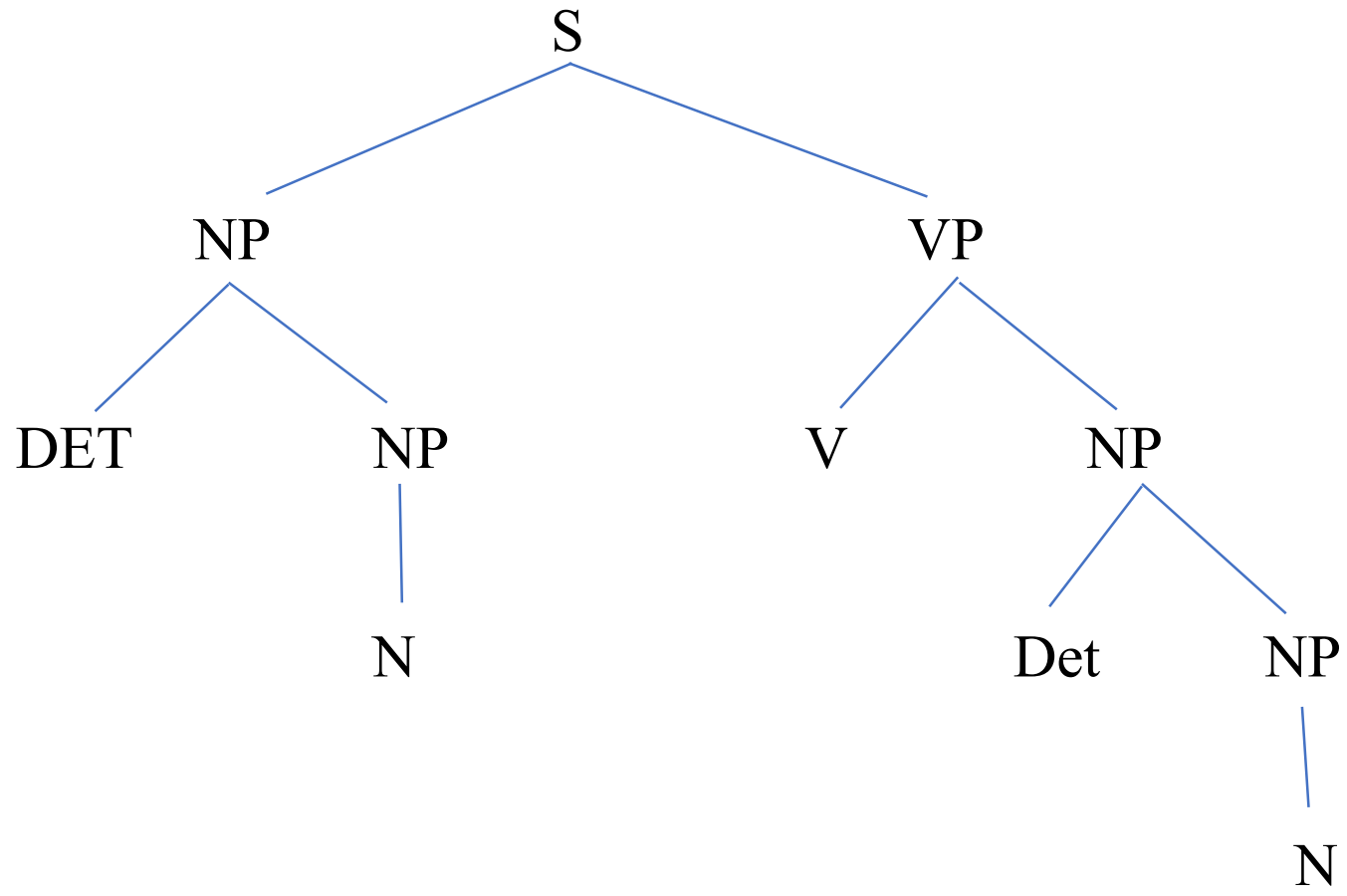
Lexikon

- V   →   play, run, ask …
- V   →   sleep
-       sleep+past   →   slept
-       buy
- ;   buy+past   bought

- AUX   be   am1.Sg., is3.Sg., are
-       be+past   was1,3, were
-

- MOD   must
-       can
-       can+past/kond →   could
-       may
-       may+past/kond →   might
-       shall
-       shall+kond   →   should
-       will
-       will+kond   →   would

- N   →   boy
- N   →   child
-       →   child+pl   →   children

- Det   →   the
-       →   a / anSg.

-

Lexikální inserce

S
NP VP
DET NP V
N
the boy / child run / sleep

```
                          S
                   ┌──────┴──────┐
                  NP            VP
              ┌────┴────┐        │
            DET        NP     [V -Pl]
             ↑          │        ↑
                     [N -Pl] ────┘
                        ↑
            the    boy / child    run-s / sleep-s
```

```
                            S
                   ┌────────┴────────┐
                  NP                 VP
              ┌────┴────┐             │
            DET        NP          [V +Pl]
             ↑          │             ↗
                     [N +Pl] ─────────┘
                        ↑
            the    boy-s / children    run / sleep
```
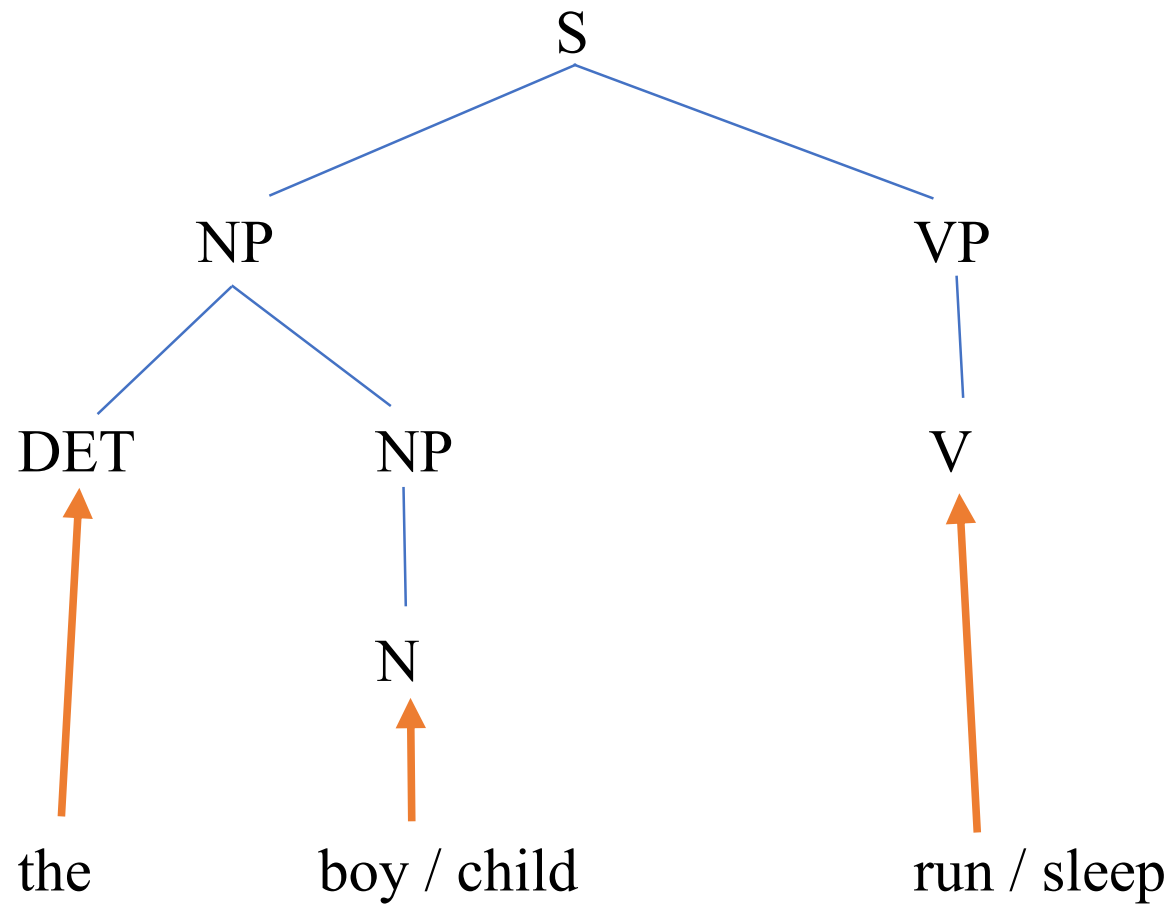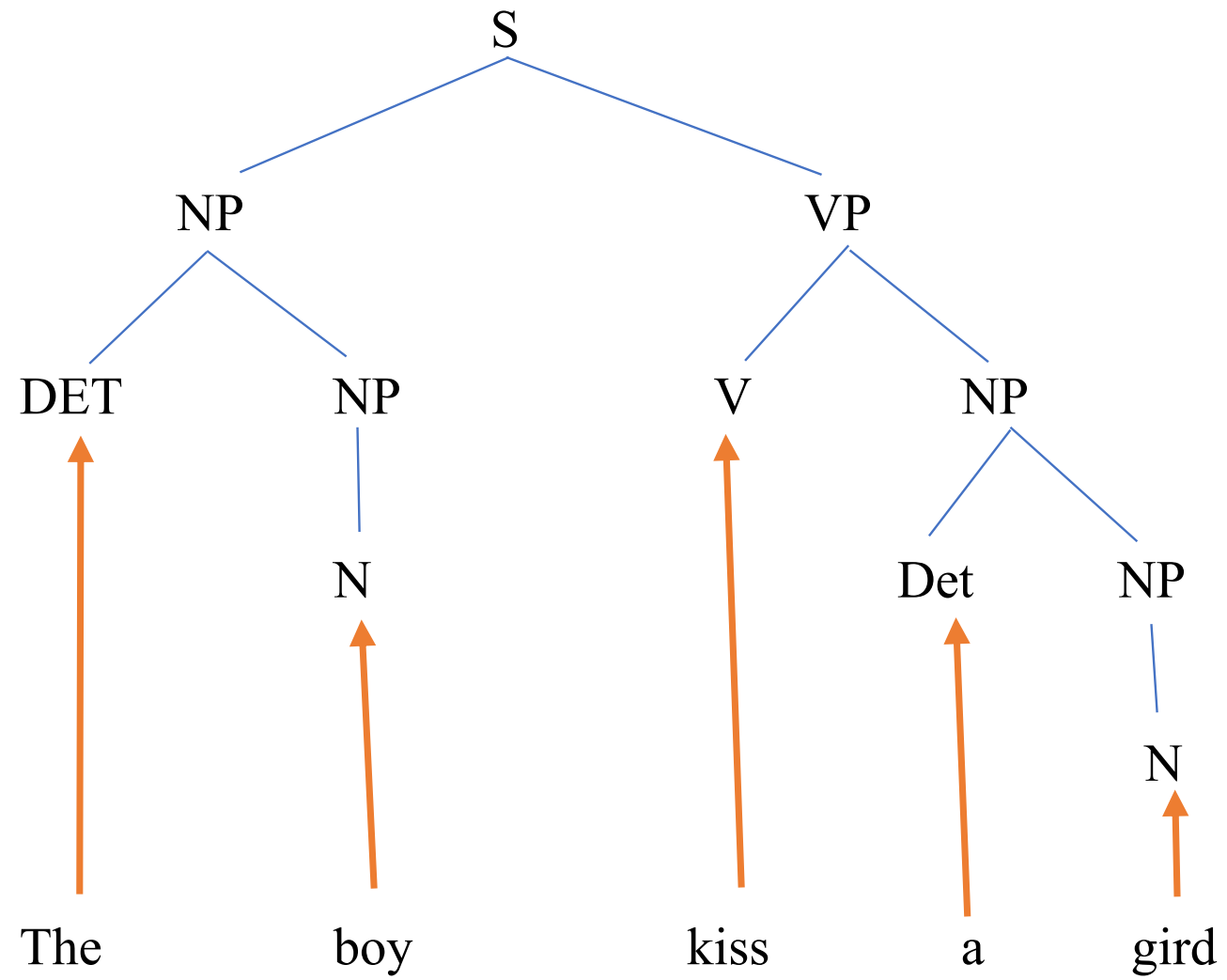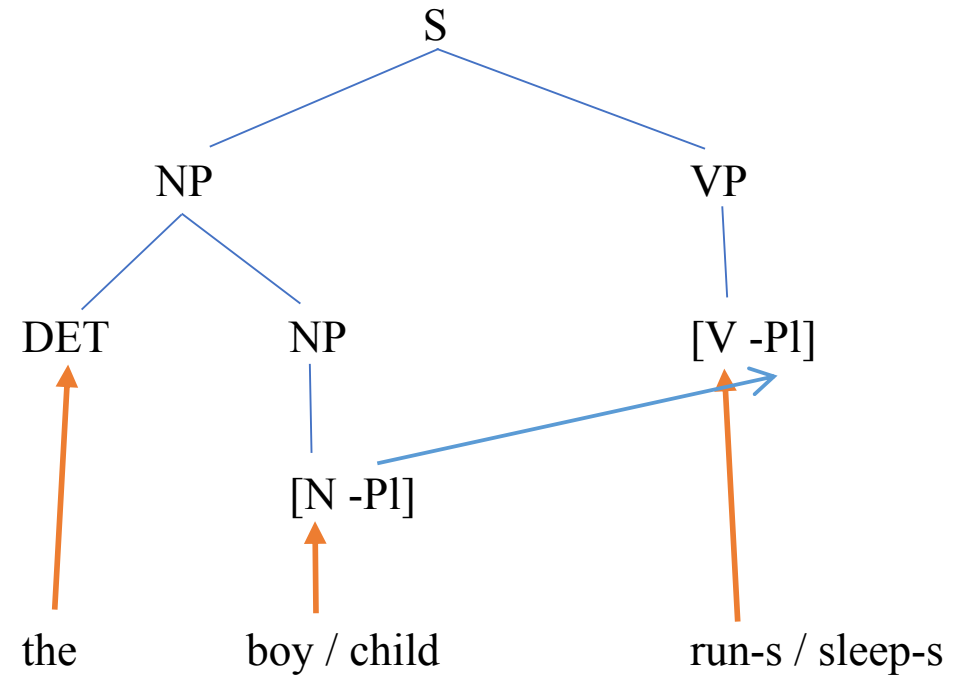
```
                              S
                 ┌────────────┴────────────┐
               NP                           VP
          ┌─────┴─────┐              ┌───────┴───────┐
        Det           NP            V                NP
                      │          ┌──┴──┐             │
                      N      Aux_past  V             N


(a)          The        man    ed        ask       Jane
             The        man              meet       Jane


(a)  ed  ask   → asked      afix hopping rule
(b)      meet  → met        replace role    readjustment
```
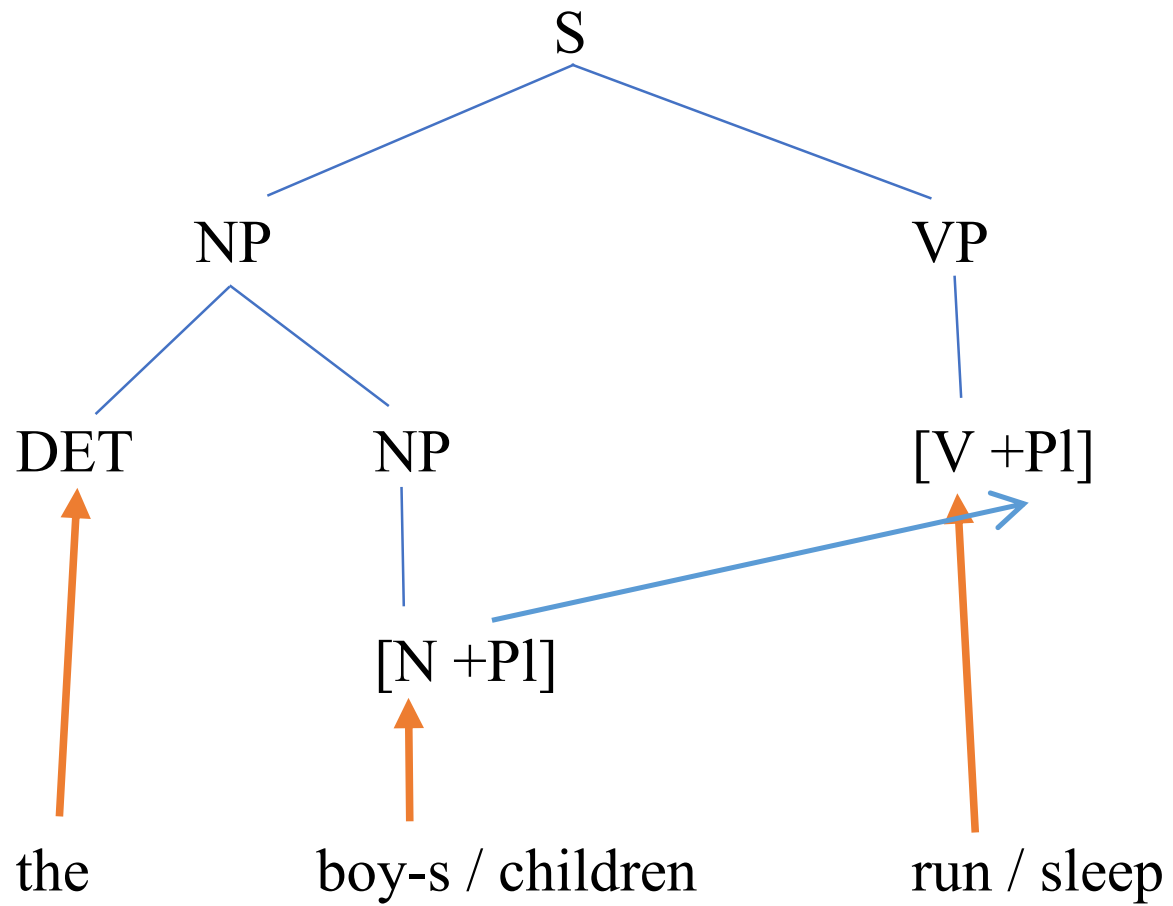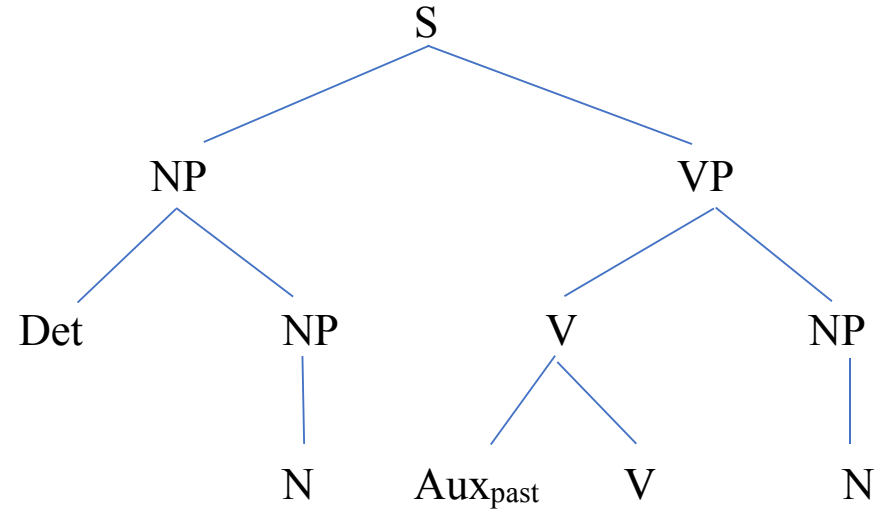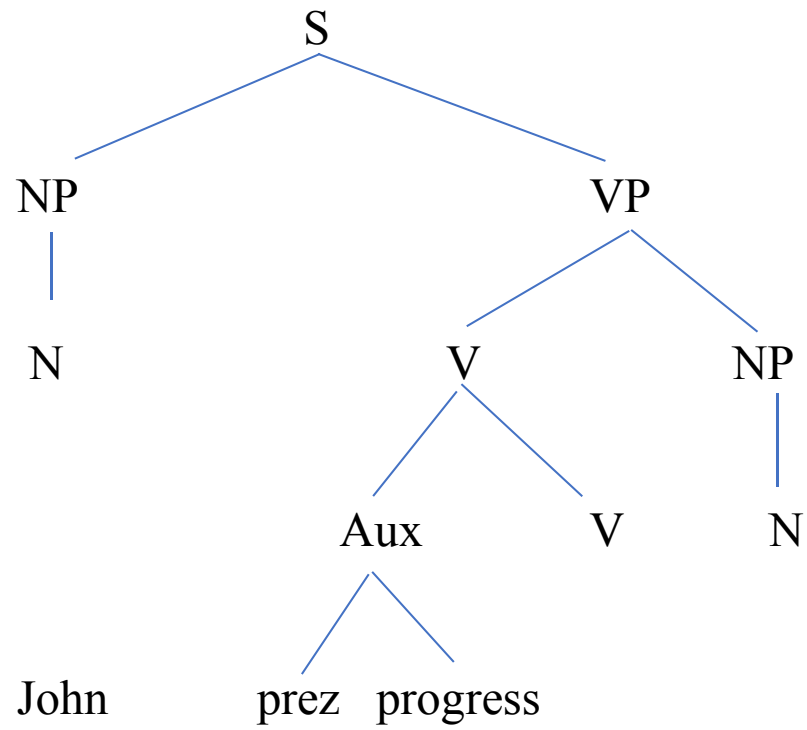
```
                              S
                     ┌────────┴────────┐
                    NP                 VP
                     │          ┌───────┴───────┐
                     N          V               NP
                              ┌──┴──┐            │
                             Aux    V            N
                           ┌──┴──┐
          John           prez  progress

(a)          John            is     ing      ask    Jane


ing ask        → asking
```
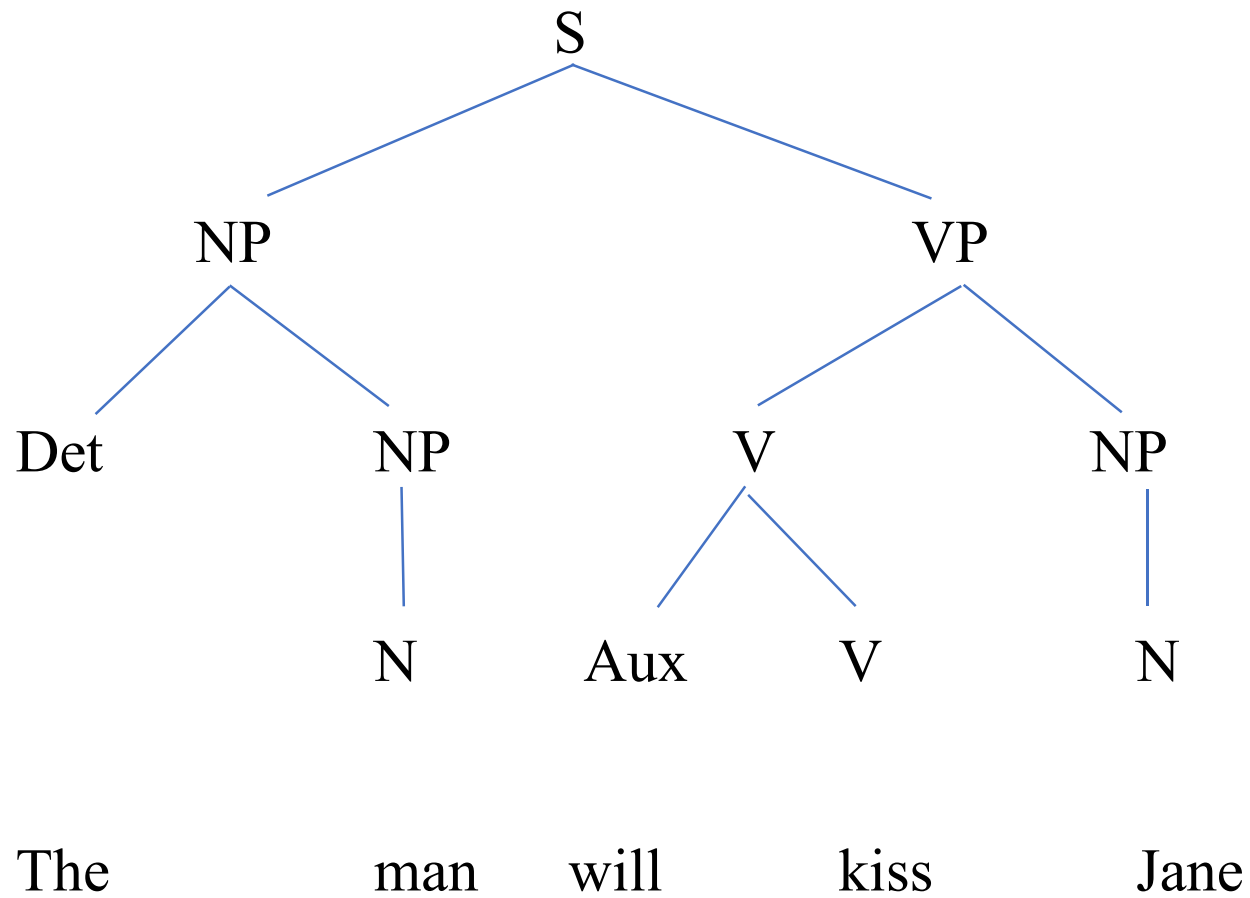
- Chomsky, 1957:

- If S_1 is a grammatical sentence of the form

-

- $NP_1 - Aux - V - NP_2$

-

- then the corresponding string of the form

-

- $NP_2 - Aux + be + en - V - by\ NP_1$

-

- is also a grammtical sentence

-

S
├── NP
│   ├── Det — The
│   └── NP
│   └── N — man
└── VP
    ├── V
    │   ├── Aux — will
    │   └── V — kiss
    └── NP
        └── N — Jane

```
                          S
                  ╱              ╲
               NP                  VP
                │              ╱        ╲
                N            V            NP
                          ╱    ╲        ╱    ╲
                       Aux      V     by      NP
                      ╱│╲                   ╱    ╲
                                          Det     NP
                                                   │
                                                   N

        Jane        will  be  ed     kiss    by    the       man

ed  kiss      →     kissed
```