
A Comparative Introduction to XDG: Word-Order Phenomena in the German Verb Complex

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Common nouns

Roman \mapsto $\left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\text{subj?}, \text{obj?}\} \\ \text{out} : \{\text{det!}\} \end{array} \right] \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\text{mf?}\} \\ \text{out} : \{\text{df!}\} \\ \text{on} : \{\text{n}\} \end{array} \right] \\ \text{multi} : \left[\text{blocks_lpid} : \{\text{det}\} \right] \end{array} \right]$

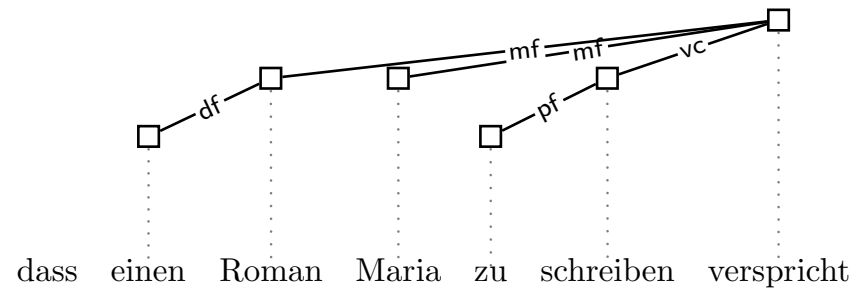
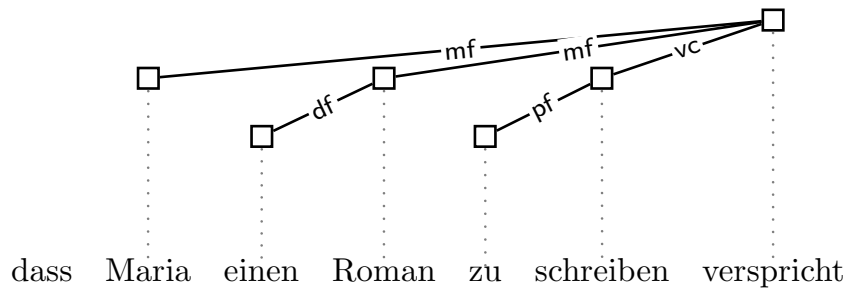
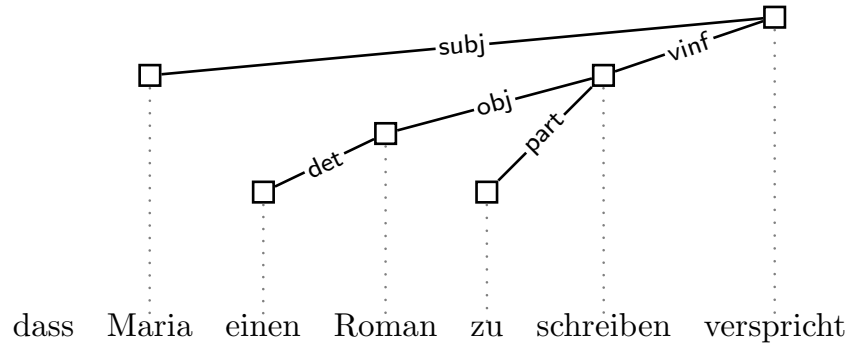
Finite verbs in final position

$$\textit{verspricht} \mapsto \left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\} \\ \text{out} : \{\text{subj!}, \text{vinf!}\} \end{array} \right] \\ \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\} \\ \text{out} : \{\text{mf*}, \text{vcf?}, \text{vxf?}\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \\ \text{multi} : \left[\text{blocks_lpid} : \mathcal{L}_{\text{id}} \right] \end{array} \right]$$

Infinitive verbs in canonical position

schreiben \mapsto $\left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\text{vinf?}\} \\ \text{out} : \{\text{part!, obj!}\} \end{array} \right] \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\text{vcf?}\} \\ \text{out} : \{\text{pf!}\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \text{multi} : \left[\text{blocks_lpid} : \{\text{part}\} \right] \end{array} \right]$

Scrambling

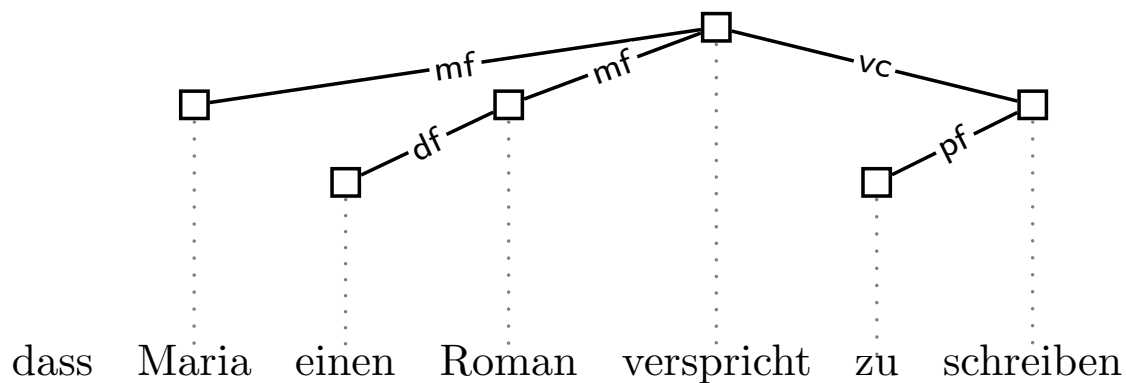
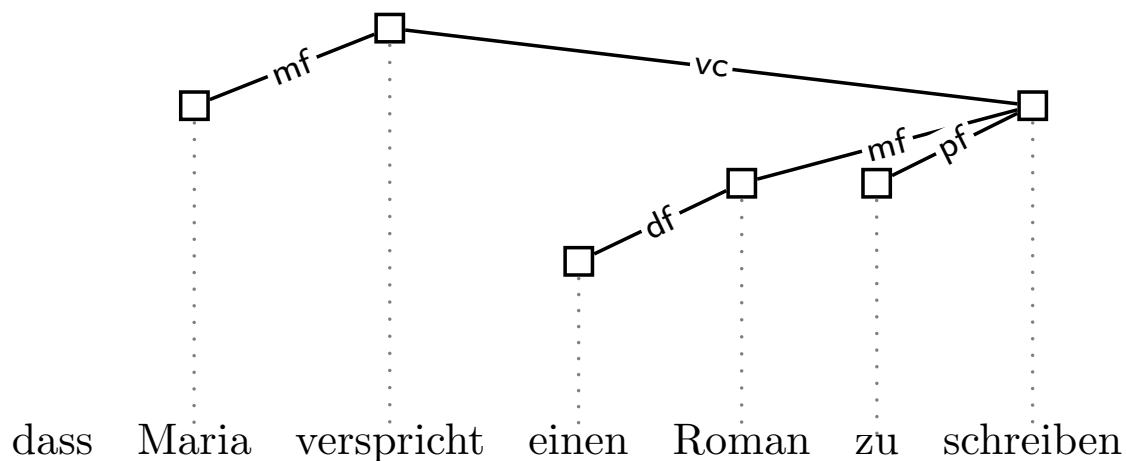


Extraposed infinitive

schreiben \mapsto
$$\left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\text{vinf?}\} \\ \text{out} : \{\text{part!, obj!}\} \end{array} \right] \\ \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\text{vxf!}\} \\ \text{out} : \{\text{mf*, pf!, vxf?}\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \\ \text{multi} : \left[\begin{array}{l} \text{blocks_lpid} : \{\text{part}\} \end{array} \right] \end{array} \right]$$

- only LP has changed

Full and partial VP extraposition



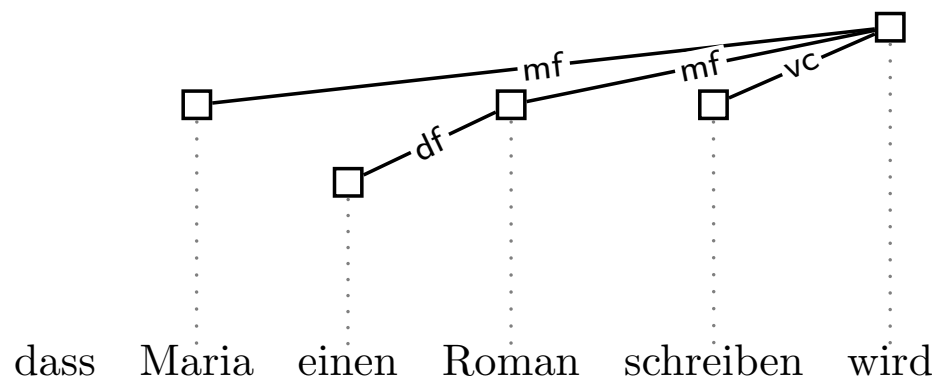
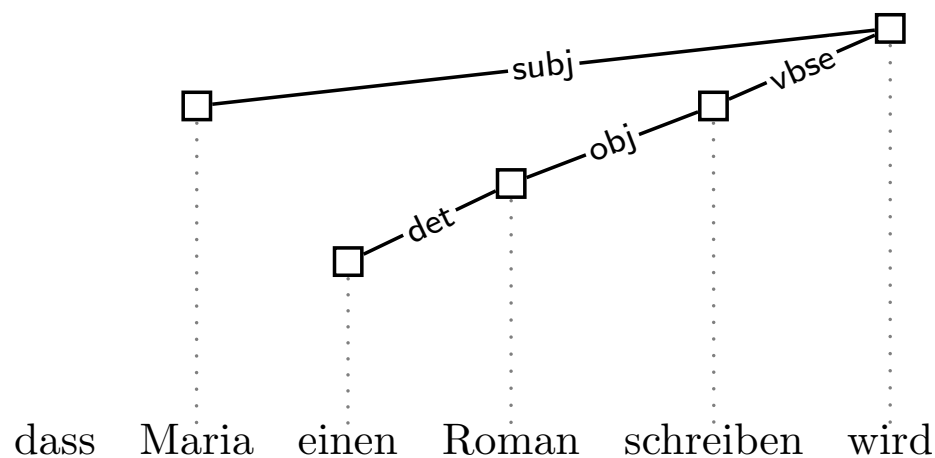
Bare infinitive

schreiben \mapsto $\left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\text{vbse?}\} \\ \text{out} : \{\text{obj!}\} \end{array} \right] \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\text{vcf?}\} \\ \text{out} : \{\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \text{multi} : \left[\text{blocks_lpid} : \{\} \right] \end{array} \right]$

Wird auxiliary

$$\textit{wird} \mapsto \left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\} \\ \text{out} : \{\text{subj!}, \text{vbse!}\} \end{array} \right] \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\} \\ \text{out} : \{\text{mf*}, \text{vcf?}, \text{vxf?}\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \text{multi} : \left[\text{blocks_lpid} : \mathcal{L}_{\text{id}} \right] \end{array} \right]$$

Obligatory head-final placement



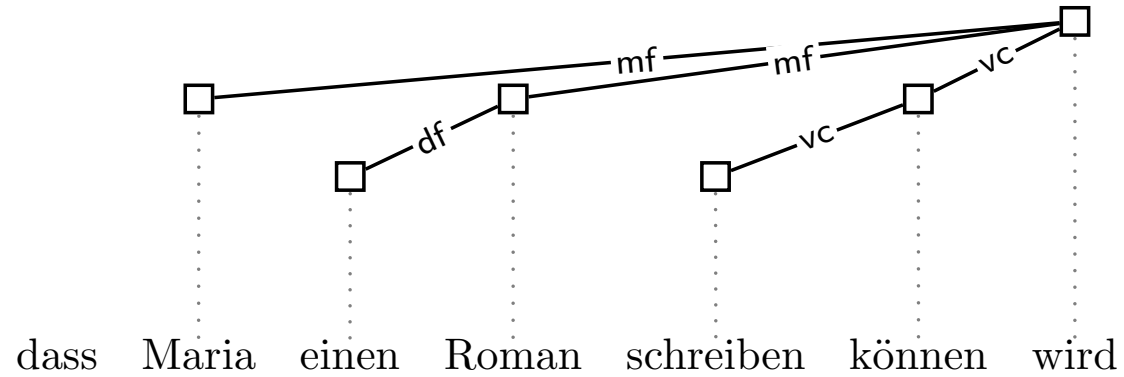
Optional auxiliary flip

- *dass Maria einen Roman schreiben können wird*
- *dass Maria einen Roman wird schreiben können* (flip)
- only a certain class of bare infinitive can be subject to auxiliary flip, e.g. modals like *können*

können in canonical position

können \mapsto $\left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\text{vbse?}\} \\ \text{out} : \{\text{vbse!}\} \end{array} \right] \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\text{vcf?}\} \\ \text{out} : \{\text{vcf?}\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \text{multi} : \left[\text{blocks_lpid} : \{\} \right] \end{array} \right]$

können in canonical position

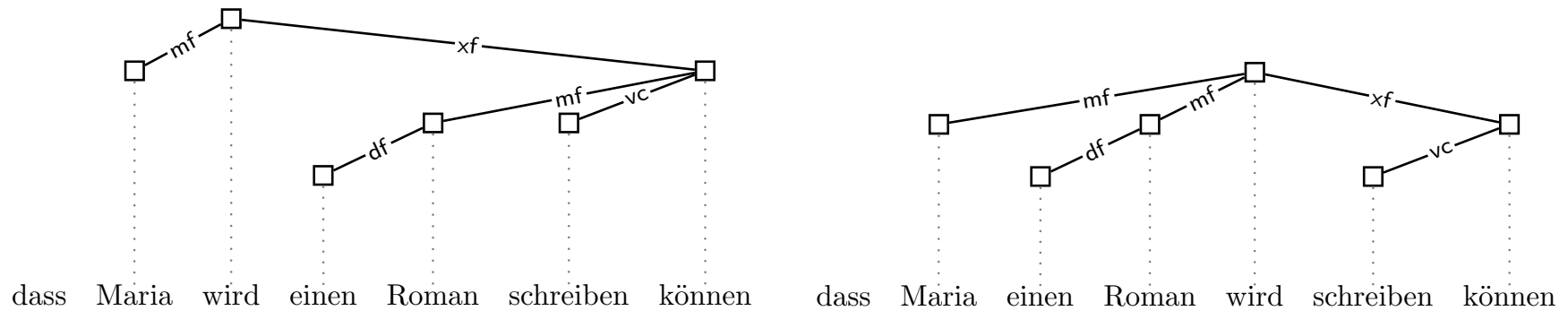


können in extraposed position (flipped)

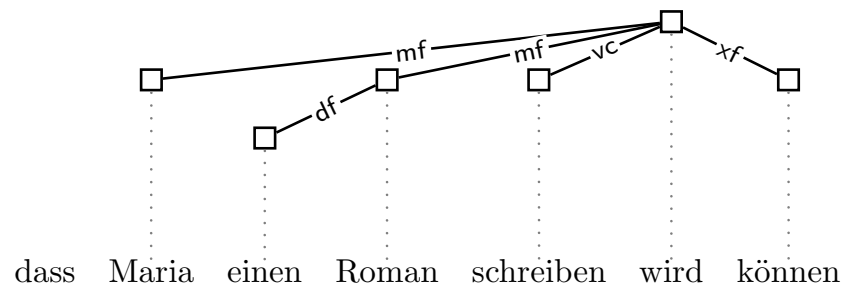
können \mapsto $\left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\text{vbse?}\} \\ \text{out} : \{\text{vbse!}\} \end{array} \right] \\ \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\text{vxf!}\} \\ \text{out} : \{\text{mf*}, \text{vcf?}, \text{vxf?}\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \\ \text{multi} : \left[\text{blocks_lpid} : \{\} \right] \end{array} \right]$

können flipped

V-projection raising



VC-split/Zwischenstellung



Obligatory auxiliary flip

- *dass Maria einen Roman hat schreiben können*
- * *dass Maria einen Roman schreiben können hat*
- **Ersatzinfinitive**: exhibits bare infinitival inflection but fills a syntactic dependency where normally a past participle is expected. Cannot land in canonical position.
- only possible for modals and certain verbs like *sehen*, *lassen*, *helfen*

können extraposed or as ersatzinfinitive

können \mapsto $\left[\begin{array}{l} \text{id} : \left[\begin{array}{l} \text{in} : \{\text{vbse?}, \text{vp}rt?\} \\ \text{out} : \{\text{vbse!}\} \end{array} \right] \\ \\ \text{lp} : \left[\begin{array}{l} \text{in} : \{\text{vxf!}\} \\ \text{out} : \{\text{mf*}, \text{vcf?}, \text{vxf?}\} \\ \text{on} : \{\text{v}\} \end{array} \right] \\ \\ \text{multi} : \left[\text{blocks_lpid} : \{\} \right] \end{array} \right]$

Obligatory auxiliary flip

