Reordering: multimodal analysis
Abstract

In Latin, a preposition (as the word suggests) rigidly precedes a nominal (noun or adjectival) expression. The ordering possibilities for adjectives, on the other hand, are very free: they can occur before or after the nominal are in construction with, or they can ‘drift away’ from that nominal.

This fragment gives a multimodal analysis, based on the distinction between two composition modes: a non-commutative mode $\bullet_1$ (for the typing of the prepositions) and a mode $\bullet_2$ for the typing of the adjectives, with a commutative regime (postulate $P1$). To allow the adjectives the possibility of ‘drifting away’ from the nominal, we have an interaction postulate ($P2$) governing the situations where the non-commutative $\bullet_1$ and the commutative mode $\bullet_2$ are in construction.

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1. Your fragment

1.1. Postulates

\[ B \bullet_2 A \vdash A \bullet_2 B \quad [P1] \]
\[ B \bullet_2 (A \bullet_1 C') \vdash A \bullet_1 (B \bullet_2 C') \quad [P2] \]

1.2. Lexicon

cum : \textit{pp}$^1$ \textit{abl} — with
laude : \textit{abl} — honor
maxima : \textit{abl}$^2$\textit{abl} — highest
2. Run your examples

1. cum maxima laude ⊨ pp
2. cum laude maxima ⊨ pp
3. maxima cum laude ⊨ pp
4. laude cum maxima ⊨ pp
5. laude maxima cum ⊨ pp
6. maxima laude cum ⊨ pp
3. Interactive session

Test example

Type in an example:

Goal formula:

Use Polish prefix notation for goals. Atomic formulas and modes should be atoms. Use the atom [] (nil) if you don’t want a mode index. Input connectives as ♦: dia, □: box, •: p, /: dr, \: dl. Example: □(np\_1s) becomes box [] dl 1 np s.

Display options

Structure labels: Yes ☑ No ☐ Semantic labels: Yes ☑ No ☐
Lexical semantics: Yes ☑ No ☐ Unary semantics: Yes ☑ No ☐

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