Towards the valuation of PHI-features

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PHI-features like CASE, PERSON, NUMBER and GENDER are often assumed to be valuated for a word in the lexicon and to take atomic values. There are, however, cases where the valuation of PHI-features poses some problems. One such case is when a single form satisfies conflicting grammatical requirements (Dyła 1984; Pullum and Zwicky 1986; Ingría 1990; Müller 1999), and another is when a form is resolved on the basis of multiple sources, as in nominal coordination (Corbett 1983; Sag et al. 1985). Dalrymple and Kaplan (2000) discuss both of these problems and propose an LFG analysis which draws on the assumption that PHI-features take set-shaped rather than atomic values. However, this analysis fails to account for a number of empirical facts, since it mainly operates at the syntactic level.

This paper focuses on resolving PHI-features' values on the basis of multiple sources. The discussion not only involves well-known facts from the domain of nominal coordination, but also provides some new data that haven't been considered so far in this context. On the one hand, we focus on the so called comitative constructions (Dyła 1988; Mc-Nally 1989; Vassilieva and Larson 2005; Feldman 2001; Ionin and Matuzhansky 2002), demonstrating that they correspond to nominal coordination regarding the resolution of PHI-features' values. On the other hand, we discuss a number of non-phrasal expressions where the internal gender resolution can be observed. In particular, Polish first and second person plural pronouns and morphosyntactically feminine title terms such as wysokość ‘highness’ are taken into consideration.

We propose a lexicalist constraint-based approach to the valuation of PHI-features which incorporates morphosyntactic, semantic and contextual aspects. Furthermore, we base this approach on the following assumptions: (1) linguistic signs contain information on their number, gender and, in the case of verbs, person at the semantic and morphosyntactic representation levels (Czuba and Przepiórkowski 1995; Kathol 1999; Wechsler and Zlatić 2001); (2) the values of the semantic features PERSON, NUMBER and GENDER are treated in terms of inherent versus resolved values; (3) the inherent values are specified in the lexicon; (4) the resolved values are instantiated by language-specific principles of resolution (Corbett 1983). For the majority of words, the values of the semantic PHI-features will be treated in terms of inherent values. For Polish title terms as well as for first and second person plural pronouns we assume that the values of their PERSON and NUMBER features should also be treated in terms of inherent values. The value of their GENDER feature will, however, be resolved by virtue of a gender resolution constraint for Polish. Finally, the semantic PHI-features of nominal coordination and comitative constructions will be subjected to the resolution principles. Our proposal is implemented within the framework of HPSG (Pollard and Sag 1994), uniformly licensing the valuation of PHI-features at the lexical and phrasal levels.

Bibliography


