

Templates from syntax to morphology: affix ordering in Qafar

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Abstract

The functional head suggests that verbs acquire their inflectional properties by moving from one head position to the next in the syntactic derivation. A problem arises as affixes' ordering is not sensitive to syntactic properties, as it is the case in Qafar. This Cushitic language exhibits two verbal classes depending on whether verbs can have prefixes. I argue that the hierarchical structure of template corresponds to the syntactic structure. Phonological constraints on templates formation activate adequate syntactic operations. If we assume that templatic domains lie at the interface between syntax and phonology, we account for some issues of affix ordering, that involve no syntactic property.

Introduction

In this paper, I suggest an approach of the interface between morphology and syntax in order to explain affixes ordering that are not sensitive to syntactical properties.

First, I present the verbal morphology in Qafar and the templatic representation of verbs. Then I will argue that phonological constraints interact with the syntactical derivation in order to account for the order of affixes.

Verbal classes in Qafar

The inflectional morphology of verbs in Qafar exhibits two verbal classes: on the one hand weak verbs that have only suffixes and strong verbs that have prefixes and suffixes (cf. Hayward 1978, Parker & Hayward 1985).

The position of inflectional markers around weak and strong verbs can be represented as follow in table 1:

Table 1. Positions of inflectional markers

		weak stem	person	aspect/mode	number
person	aspect	strong stem		mode	number

The examples of the weak verb *dunqe* 'push' and the strong verb *uktube* 'write' can illustrate these positions. The marker /t/ of second person is a prefix in *t-uktube* 'you wrote' and a suffix in *dunuq-t-e* 'you pushed'.

Imperfect is marked by the suffix /a/ in *dunqa* ‘you push’ versus *dunqe* ‘you pushed’. In strong verbs, this marker /a/ is at the left edge of the stem as in *a-ktube* ‘I write’ and *a-çfide* ‘I learn’. This /a/ alternates with the initial vowel that is always a copy of the vowel stem in perfect: *u-ktube* ‘I wrote’ and *i-çfide* ‘I learnt’. I assume that the suffix /e/ in the perfect and imperfect forms of strong verbs cannot appear in the imperfect forms of weak verbs because hiatus are prohibited in Qafar. If both markers /e/ and /a/ are in successive position, only one is phonetically realized (cf. Rucart 2000).

The suffix /e/ alternates with the suffix /o/ to express a modal distinction with purposive that is *dunq-o* ‘that I push’ and *aktub-o* ‘that I write’. Again, in weak verbs, the marker /o/ cannot be realized at the same place as the aspectual marker /a/.

The plural marker /n/ is the last suffix in both classes as in *dunqten* ‘you pushed-plural’ and *tuktuben* ‘you wrote-plural’.

Verbal template

The examination of strong verbs shows that they have trilateral roots. In case of the lack of one consonant, one can observe a vocalic lengthening. Facing the trilateral verb *uktube* ‘write’, there is verbs like *egeere* ‘bail’ or *eexge* ‘know’, with a long vowel in the stem. Additional consonant are always derivational onto express passive or causative for example.

These can be prefix consonant like in *u-s-kutube* ‘make s.o. write’, internal geminate like *usku-tt-ube* ‘be written’ or suffix like *uktubute* ‘write for oneself’.

Then I propose that strong verbs share a unique template with three root consonant positions and three derivational positions (in brackets below) within the Government Phonology - CVCV option theory (cf. Rucart 2002). The following template allows us to represent every strong verb stem:

(CV) CV (CV) CV CV (CV)

I assume that weak verbs share the same template. Most of them are trilateral and can have an internal germination or a consonant suffix like in *dunnuqime* ‘be pushed’. Moreover the passive of weak verbs with two root consonants (like *fake* ‘open’) have a final geminate in association with an unexpected following long vowel like in *fakkiime* ‘be opened’. If no underlying can be invoked to explain this vocalic lengthening, we can assume that it is an effect of the underlying template. This template with three root consonant positions has to be identified.

Initial CV and Proper Government

Lowenstamm (1999) propose that template of all major category have an initial CV at their left edge. Like every other nucleus, the V position of the ini-

come at the left edge of the template and can identify the initial CV. This position doesn't need to be properly governed any longer.

Conclusion

If we assume that templatic domains lie at the interface between syntax and phonology, we account for some issues of affix ordering, that involve no syntactic property.

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