

## Maximizing concord through impoverishment: Evidence from Slavic

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**Introduction:** As argued in Norris 2014, concord results from the realization of features of dominating nodes on available terminals (see also Ackema & Neeleman 2020). Extending the analysis, I emphasize a theme of domain maximization—features are realized as low as possible in concord, in accordance with locality. Russian and Bosnian/Croatian/Serbian (BCS) numeral constructions such as (1) and (2) are used to illustrate the analysis.

- (1) <èt-i>            pjat'    <èt-ix>            star-yx        knjig  
          these-NOM.PL   five.NOM   these-GEN.PL   old-GEN.PL   book-GEN.PL  
          ‘these five old books’ / ‘five of these old books’ *Russian*
- (2) <t-ih>            pet    <t-ih>            star-ih        knjig-a  
          those-GEN.PL   five   those-GEN.PL   old-GEN.PL   book-GEN.PL  
          ‘those five old books’ / ‘five of those old books’ *BCS*

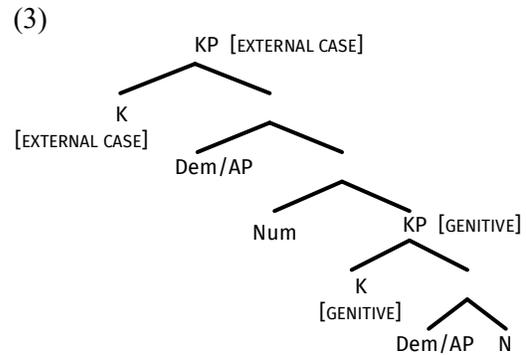
Considering the distribution of demonstratives in (1) and (2) against Cinque’s (2005) analysis of Universal 20, I adopt (3) as the basic structure for these numeral constructions. Crucially, (3) consists of two extended projections, or two syntactic domains: a genitive case phrase forms the lower domain, given the common observation that Slavic numerals impose genitive case on their complements (e.g., Franks 1995), while the higher KP reflects the external case context.

Under the current view of concord, then, Num and the higher modifier are predicted to realize the external case, while the lower modifier and N realize genitive.

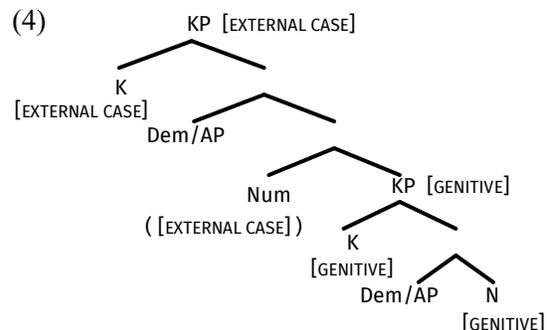
This theory of concord also implies that impoverishment can function as a method of domain extension.

Using (3) again, suppose that genitive is deleted on the lower KP: the absence of genitive forces the external case to be realized throughout the construction as the most local case, which produces an extended domain of concord. With a few added constraints, these basic principles can derive a variety of complex patterns. These

patterns include examples such as (1) where the underlying syntactic domains determined by the extended projections appear to align perfectly with the concord domains that are realized. It can also handle, among others, examples like (2), where the distribution of demonstratives suggests two syntactic domains, but the case distribution provides evidence of only one concord domain. I will argue that the resulting account of concord is ultimately simpler than a purely agreement-based analysis.



**Mechanisms underlying concord:** The analysis relies on three additional hypotheses: (i) head-to-head agreement between N and the lower K-head, which results in N being specified for GEN; (ii) potential head-to-head agreement between Num and the higher K-head, according to language-specific tendencies (numerals agree in Russian but not in BCS). These first two hypotheses yield a modified version of the structure in (3), as shown in (4). Finally: (iii) language-specific impoverishment rules are restricted to nodes that have the feature targeted for deletion. Following Norris’s (2014) theory, these nodes amount to heads (N, Num, K) and the dominating nodes to which their features have percolated. Crucially, modifiers receive features through concord and are not possible loci for impoverishment.



**Predicted effects of impoverishment:** The outcome of no impoverishment was discussed earlier using (3),

