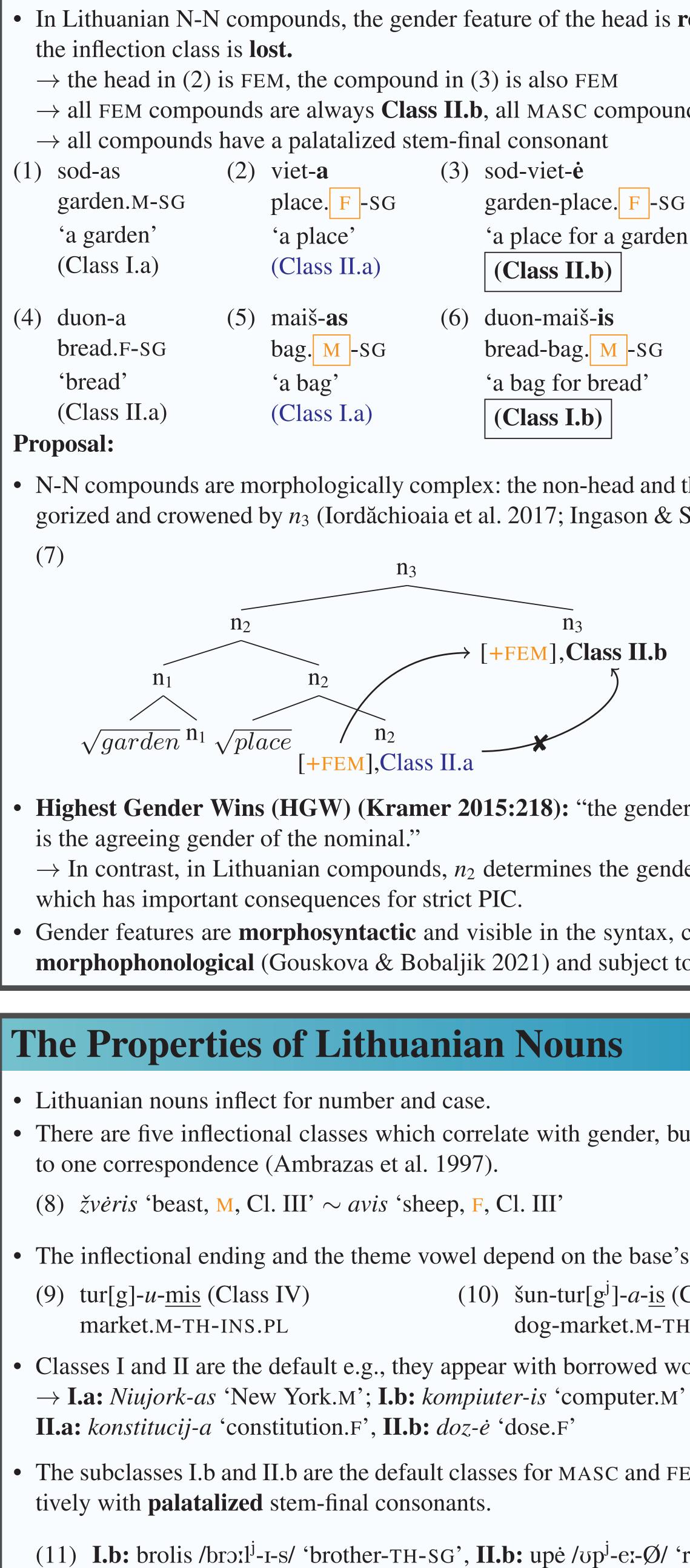


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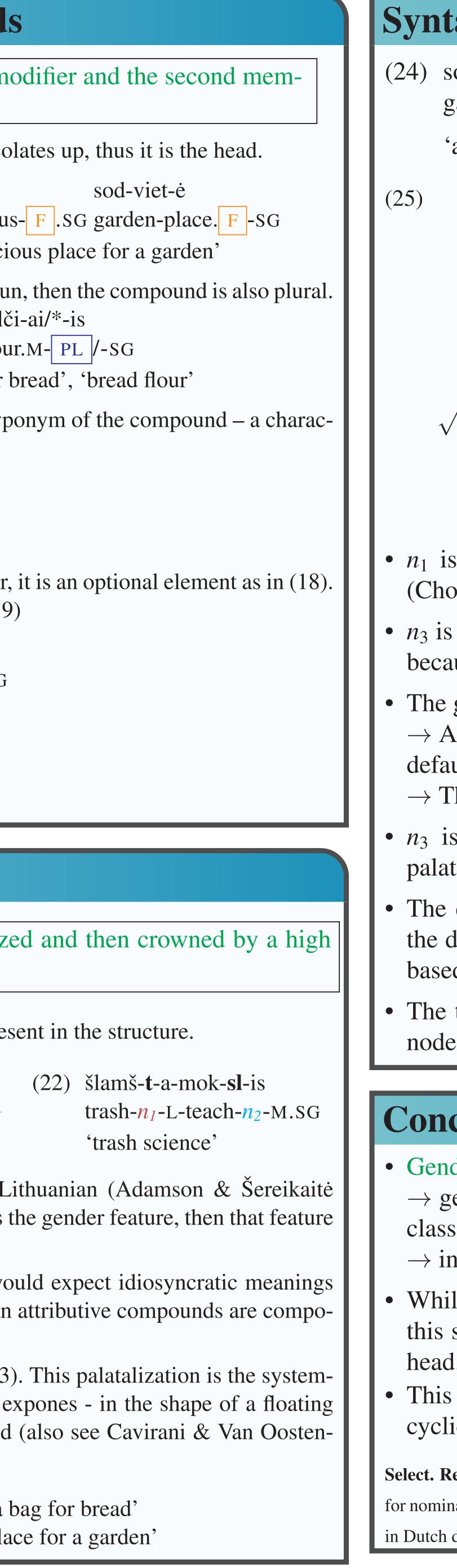
#### Introduction



## Lithuanian attributive compounds: a DM approach

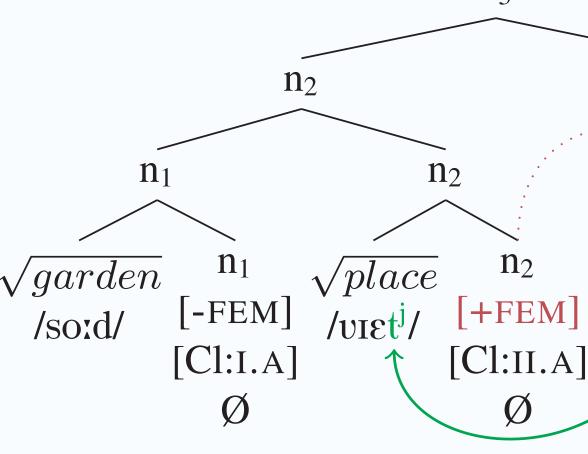
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ntroduction	The properties of Compound
In Lithuanian N-N compounds, the gender feature of the head is <b>retained</b> whereas the inflection class is <b>lost</b> . $\rightarrow$ the head in (2) is FEM, the compound in (3) is also FEM $\rightarrow$ all FEM compounds are always <b>Class II.b</b> , all MASC compounds are <b>Class I.b</b> $\rightarrow$ all compounds have a palatalized stem-final consonant ) sod-as (2) viet-a (3) sod-viet- $\hat{e}$ garden.M-SG place, $\overline{F}$ -SG garden-place, $\overline{F}$ -SG 'a garden' 'a place' 'a place for a garden' (Class I.a) (Class II.a) (Class II.b) ) duon-a (5) maiš-as (6) duon-maiš-is bread.F-SG bag.M-SG bread-bag.M-SG 'bread' 'a bag' 'a bag for bread' (Class II.a) (Class I.b) roposal: N-N compounds are morphologically complex: the non-head and the head are cate- gorized and crowened by $n_3$ (Iordăchioaia et al. 2017; Ingason & Sigurðsson 2020) (7) $n_3$ $n_1$ $n_2$ $n_2$ $(+FEM]$ , Class II.b) Highest Gender Wins (HGW) (Kramer 2015:218): "the gender of the highest <i>n</i> is the agreeing gender of the nominal." $\rightarrow$ In contrast, in Lithuanian compounds, $n_2$ determines the gender rather than $n_3$ , which has important consequences for strict PIC. Gender features are morphosyntactic and visible in the syntax, class features are morphophonological (Gouskova & Bobaljik 2021) and subject to strict locality.	<ul> <li>The properties of Compound is a methan ber is a head.</li> <li>The gender feature of the second element percession of the gender feature of the second element percession of the gender feature of the second element percession of the gender feature of the second element percession of the second element is an inherently plural note (15) milt-ai/*-as (16) duon-milt flour.M-PL/-SG bread-flouring flouring of the head.</li> <li>The second element of the compound is the hyperistic behavior of the head.</li> <li>(17) duon-maiš-is yra maišas bread-bag.M-NOM.SG is bag 'a bag for bread is a bag'</li> <li>The first element of the compound is a modifier → As opposed to synthetic compounds like (19) leva yra *(mesos) valgy-toj-a leva has a bag/ a bag for bread.'</li> <li>(19) leva yra *(mesos) valgy-toj-a leva is a meat eater.'</li> </ul> Motivation for the Structure
	$n_3$ -projection as in (7).
<ul> <li>'he Properties of Lithuanian Nouns</li> <li>Lithuanian nouns inflect for number and case.</li> <li>There are five inflectional classes which correlate with gender, but there is no one to one correspondence (Ambrazas et al. 1997).</li> <li>(8) <i>žvėris</i> 'beast, M, Cl. III' ~ <i>avis</i> 'sheep, F, Cl. III'</li> <li>The inflectional ending and the theme vowel depend on the base's class feature:</li> <li>(9) tur[g]-u-mis (Class IV) (10) šun-tur[g<sup>i</sup>]-a-is (Class I.b) market.M-TH-INS.PL</li> <li>Classes I and II are the default e.g., they appear with borrowed words → I.a: <i>Niujork-as</i> 'New York.M'; I.b: <i>kompiuter-is</i> 'computer.M'</li> <li>II.a: <i>konstitucij-a</i> 'constitution.F', II.b: <i>doz-e</i> 'dose.F'</li> <li>The subclasses I.b and II.b are the default classes for MASC and FEM nouns respectively and the default classes for MASC and F</li></ul>	<ul> <li>I. Both n<sub>1</sub> and n<sub>2</sub> can be overt and thus, are present (20) dirv-on-viet-e (21) med-pjū-kl-is soil-n<sub>1</sub>-place.F-SG tree-cut-n<sub>2</sub>-M.SG 'a place with soil' 'saw for wood'</li> <li>II. The gender features are hosted by n in I 2019). If the head of the compound determines must be hosted by n<sub>2</sub>.</li> <li>III. If these were root-root compounds, we we (Iordăchioaia et al. 2017). However, Lithuaniar sitional e.g., (3-6).</li> <li>IV. Every compound has a palatalized stem (23 atic exponent of a functional head. The [-bk] of feature - the topmost n<sub>3</sub> head of the compound</li> </ul>
<ul> <li>tively with palatalized stem-final consonants.</li> <li>(11) I.b: brolis /broːl<sup>j</sup>-ı-s/ 'brother-TH-SG', II.b: upė /vp<sup>j</sup>-e:-Ø/ 'river-TH-SG'</li> <li>(12) I.a: maišas /mɛıʃ-a-s/ 'bag-TH-SG', II.a: vieta /vıɛt-a-Ø/ 'place-TH-SG'</li> </ul>	dorp 2020). (23) <b>Class I.b</b> : duonmaišis /dʊɔn-mɐɪ∫ <sup>j</sup> -ı-s/ 'a <b>Class II.b</b> sodvietė /so:d-uiɛt <sup>j</sup> -eː-Ø/ 'a pla



#### **Syntactic Analysis**

(24) sod-viet-ė-ms garden-place.F-TH-PL.DAT 'a place for a garden' (Class II.b)



- (Chomsky 2004).
- because  $n_3$  triggers spellout of the  $n_2$  cycle;
- $\rightarrow$  This constitutes evidence for PIC2 (Chomsky 2001)
- palatalization on the closest segment to its left;
- based on gender: I.b for M, II.b for F;
- node to the left (Embick 2010, Gleim et al 2022).

### Conclusion

- Gender features and inflection class features are distinct: class features are not  $\rightarrow$  inflection class features are subject to strict locality
- head.
- cyclic head can be supplied to another cyclic head.

Select. Ref: Ambrazas et al. 1997. Lithuanian Grammar, Iordăchioaia et al. 2017. Morphosyntactic sources for nominal synthetic compounds in English and Greek; Cavirani & van Oostendorp 2019. Empty morphemes in Dutch dialect atlases, Glossa 4(1), p.88; Kramer 2015. The Morphosyntax of Gender.

# Yale

 $\rightarrow$  /soid-viet<sup>j</sup>-ei-ms/ Infl Infl [K:DAT,#:+pl] **n**<sub>3</sub> /-ms/ •> [+FEM] [-bk +hi] Th: /-eː-/ [Cl:II.A]

•  $n_1$  is a modifier and thus, is attached to  $n_2$  via adjunction, Pair Merge

•  $n_3$  is a head: the class feature on  $n_2$  is **invisible** to *Infl* and the theme vowel

• The gender of  $n_2$  percolates up to  $n_3$ , which has no gender feature.

 $\rightarrow$  According to the HGW hypothesis, the plain  $n_3$  should be assigned the default gender – masculine. This prediction is not borne out!

•  $n_3$  is expressed phonologically by a floating dorsal feature, triggering

• The exponent on *Infl* depends on the class of the base, which is always the default class in compounds. The class on  $n_3$  is supplied automatically

• The theme vowel is inserted late between Infl and the highest functional

 $\rightarrow$  gender features are subject to percolation algorithm whereas inflection

• While some studies assume that both roots are categorized in compounds, this study shows that the structure can also be crowned by another cyclic

• This study lends additional support to PIC2: the gender features of one