

	SURFACE FORM	CONCEPT	SPEC	NOM (K1)	ACC (K2)	GEN (K3)	DAT (K4)
NON-SPEC	adam (NOM)	[adam]		∅			
	adam (ACC)	[adam]			∅		
	adam (GEN)	[adam]				∅	
	adama (DAT)	[adam]					-a
SPEC	adam (NOM)		[adam]				
	adamı (ACC)		[adam]		-ı		
	adamın (GEN)		[adam]			-ın	
	adama (DAT)	[adam]					-a

The main idea behind the analysis is that below Caha's (2009) case features (K1 for NOM, K1+K2 for ACC, etc.), we find a privative feature SPEC that determines whether the interpretation is specific or non-specific. Non-specific nouns lack this feature (marked by black color in the table), while specific nouns have it. This is what distinguishes the upper part of the table and the lower part.

Analysis details. Our analysis of the specific/non-specific distinction is based on the idea that the case markers themselves do not spell out the feature SPEC, unlike Öztürk (2005). If we proposed, for instance, that *-ı* spells out this feature, it would be very difficult to explain why we do not find the specific/non-specific distinction in the dative and instrumental, recall the impossible hypothetical form **adam-ı-la*. Instead, we propose that SPEC is spelled out by the root, and the case endings reflect this indirectly via the spellout algorithm proposed in Nanosyntax. A crucial part of this algorithm is a matching procedure based on the so-called Superset Principle (SP), given in (4).

(4) SP (Starke 2009): A lexical item matches syntactic structure iff it contains that structure.

In analysis, that the nominal root is lexically specified for the features SPEC and NOM, see (5a). The root can therefore spell out all these features on its own, see the first three lines in the (lower) specific paradigm. It can, however, spell out also various subsets, see the remaining rows. In the specific paradigm, the ACC feature is realized by *-ı*, see (5b) for its entry. In the GEN row, we find an additional *-n*, see (5c) for the entry.

- (5) a. $\text{adam} \Leftrightarrow [\text{NOM (K1)} [\text{SPEC} [\text{CONCEPT}]]]$ (6) a. $\emptyset \Leftrightarrow [\text{GEN (K3)} [\text{ACC (K2)} [\text{NOM (K1)}]]]$
 b. $-ı \Leftrightarrow [\text{ACC (K2)}]$ b. $-a \Leftrightarrow [\text{DAT (K4)} [\text{GEN (K3)} [\text{ACC (K2)} [\text{NOM (K1)}]]]]$
 c. $-(n)\text{ın} \Leftrightarrow [\text{ACC (K2)} [\text{GEN (K3)}]]$

Puzzle #2. The analysis of DAT in the specific declension involves Backtracking (Starke 2018). Note first that the only way for the DAT feature K4 to be spelled out, we must use *-a* with the entry in (6b), because no other ending contains K4. In order for this ending to match a constituent containing K1-K4, the root must backtrack from spelling out K1, see the last row of the table. The ACC ending *-ı* is thereby eliminated on the surface. An analogous proposal extends to the INS.

Puzzle #1. The distinction between the specific and non-specific declension emerges as a result of matching based on the Superset Principle (3). In the NOM of the non-specific paradigm, the root cannot spell out the K1 feature, because the syntactic constituent $[[\text{concept}]\text{nom}]$ is not a sub-constituent of the root's entry in (5a). Therefore, the root only spells out the concept part, and the zero non-specific ending spells out the NOM feature K1. The entry we assume for the \emptyset ending is in (6a). This entry allows it to also spell out the non-specific ACC and GEN; recall from (1) that these are \emptyset marked. In the DAT, the \emptyset ending no-longer matches all the case features (it does not contain them), and therefore, the ending *-a* is used. This way, a difference between specific and non-specific forms is found only in ACC/GEN, but not the other cases.