

Hungarian has no Portmanteau Agreement

ICSC6, September 12-13

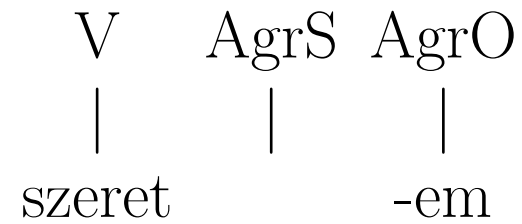
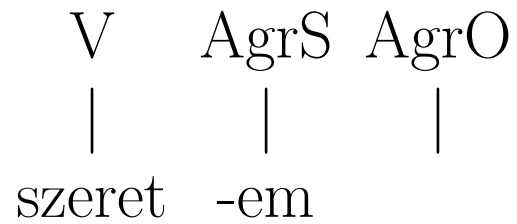
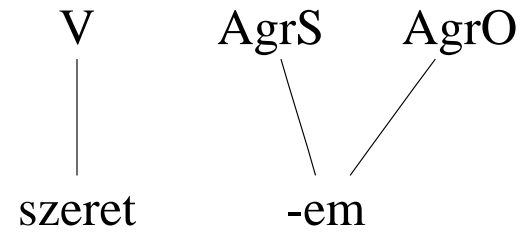
Jochen Trommer
Institute of Cognitive Science
University of Osnabrück
D-49069 Osnabrück

e-mail: jtrommer@uos.de
<http://www.ling.uni-osnabrueck.de/~trommer/>

Apparent Portmanteau Agreement

		Object	
		[-def]	[+def]
Subject	1sg	szeret- ek egy lányt	szeret- em a lányt
	2sg	szeret- sz egy lányt	szeret- ed a lányt

Alternative Analyses



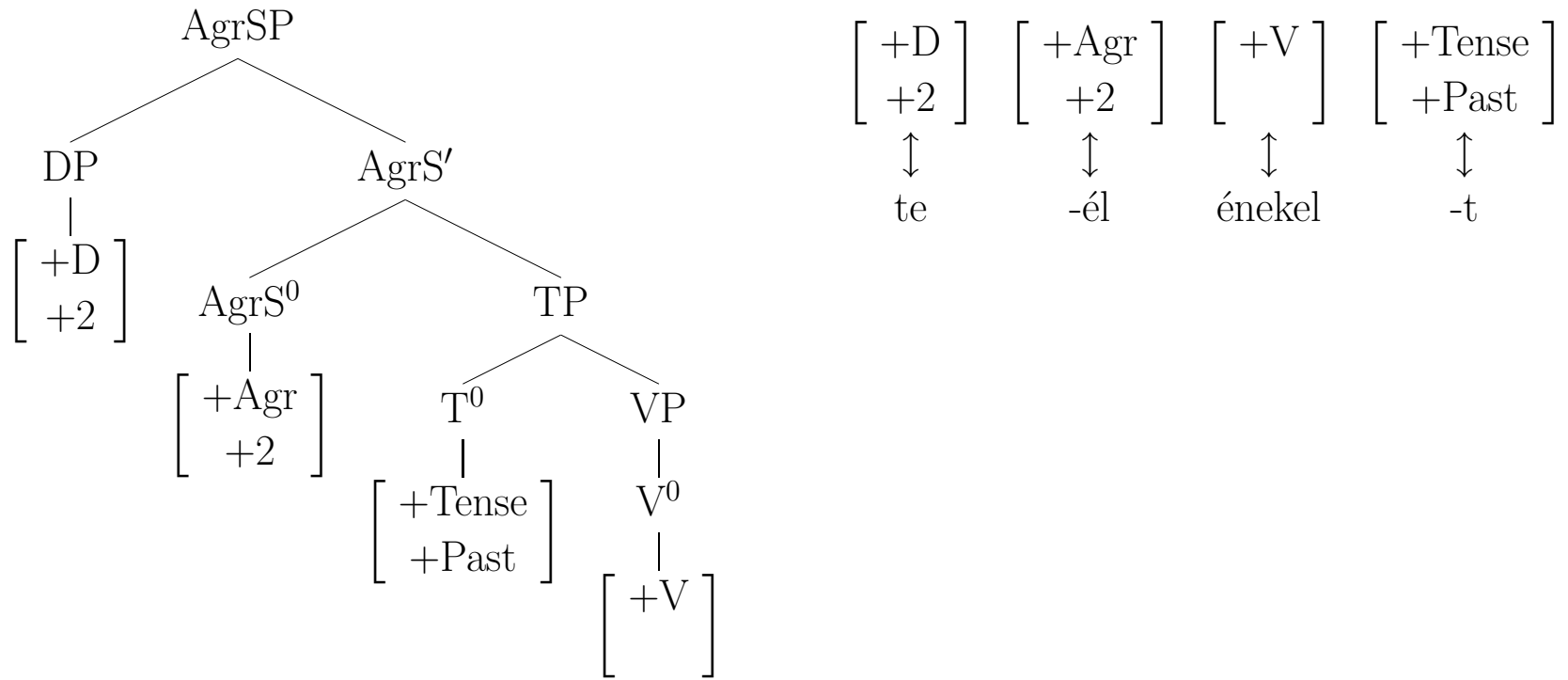
Overview

- The Framework: Minimalist Distributed Morphology
- Problems with Hungarian Verb Agreement
- Neutralization as Feature Deletion
- Carstairs-McCarthy's Critique of DM

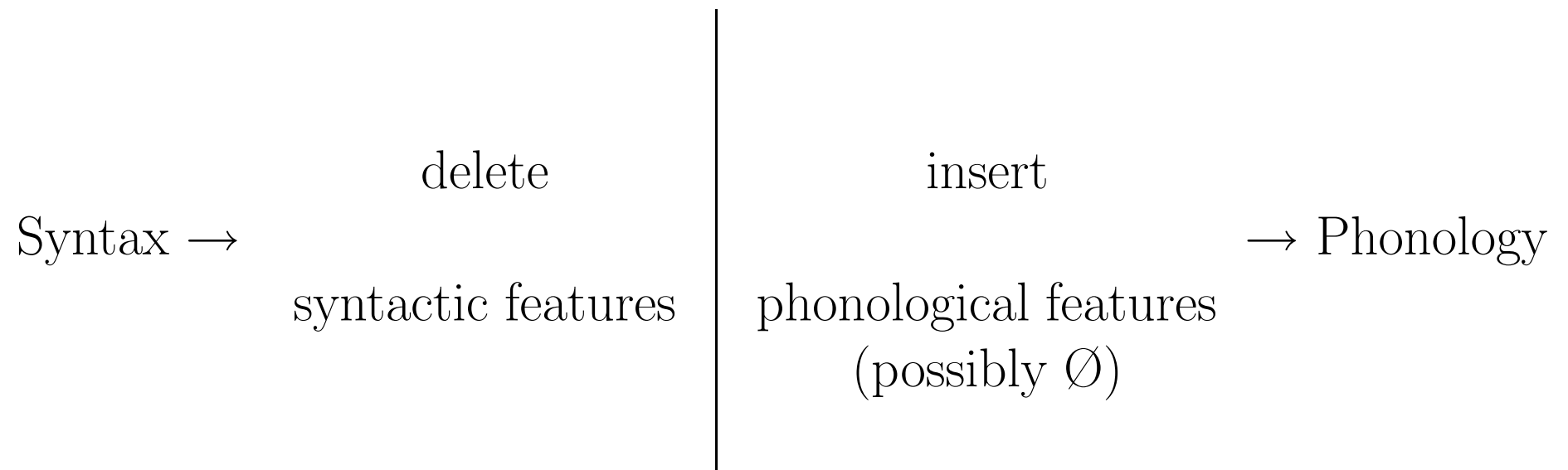
The Framework: Minimalist Distributed Morphology (Halle and Marantz, 1993; Trommer, 1999)

- Morphology interprets the output of syntax
- Only one Morphological Operation: Vocabulary Insertion

The Framework



Vocabulary Items



Data I

	intransitive	indef. object	def. object	possessor
1sg	-ek	-ek	-em	-em
2sg	-sz/-el	-sz/-el	-ed	-ed
3sg	-∅	-∅	-i-∅	-e
1pl	-ün-k	-ün-k	-(j)ü-k	-ün-k
2pl	-te-k	-te-k	-i-te-k	-te-k
3pl	-ne-k	-ne-k	-i-k	-(j)ü-k

Basic Observations

- indefinite object forms syncretize with intransitive forms
- definite object forms syncretize with nominal possessor (and postpositional agreeing) forms
- some definite object agreement markers are complex (-i-AGR)

Problem 1: Portmanteau Agreement

$/-em/ \leftrightarrow \begin{bmatrix} +\text{Nom} \\ +1 \\ -\text{pl} \end{bmatrix}_{AGR}$ \rightarrow doesn't account for the contrast to $/-k/$

$/-em/ \leftrightarrow \begin{bmatrix} +\text{Acc} \\ +3 \\ +\text{def} \end{bmatrix}_{AGR}$ \rightarrow doesn't account for the contrast with 2sg $/-d/$

$/-em/ \leftrightarrow \begin{bmatrix} +\text{Nom} \\ +1 \\ -\text{pl} \end{bmatrix}_{AGR} / \text{---} \begin{bmatrix} +\text{Acc} \\ +3 \\ +\text{def} \end{bmatrix}_{AGR}$ \rightarrow incompatible with appearance in possessors

$/-em/ \leftrightarrow \begin{bmatrix} +\text{Nom} \\ +1 \\ -\text{pl} \end{bmatrix}_{AGR} \begin{bmatrix} +\text{Acc} \\ +3 \\ +\text{def} \end{bmatrix}_{AGR}$ \rightarrow not possible by assumption

Data II

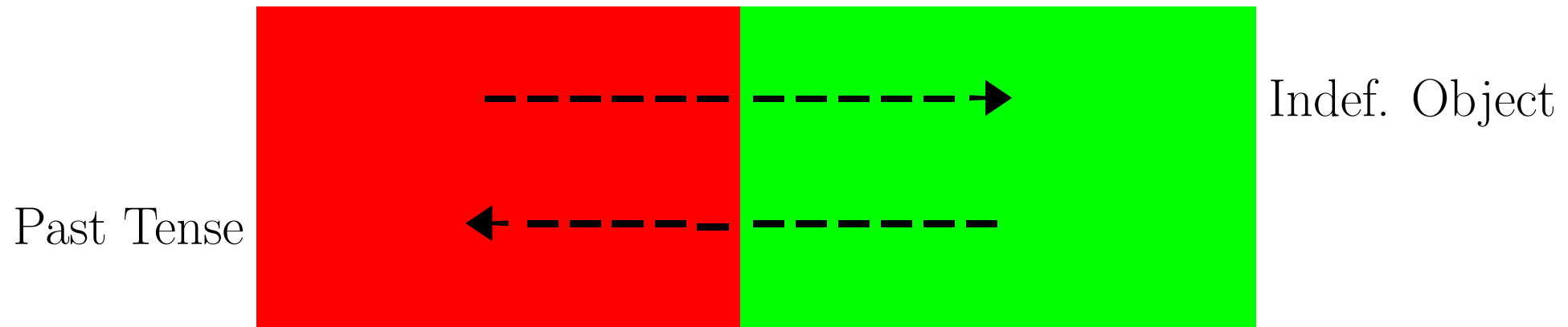
	intr. pres.	intr. pres. ik	intr. past	def. obj. past	def. obj. pres.
1sg	-ek	-em	-em	-em	-em
2sg	-sz/-el	-el	-e-el	-ed	-ed
3sg	-∅	-ik	∅	-e-∅	-i-∅
1pl	-ün-k	-ün-k	-ün-k	-(j)ü-k	-(j)ü-k
2pl	-te-k	-te-k	-e-te-k	-e-e-te-k	-i-te-k
3pl	-ne-k	-ne-k	-e-k	-e-e-k	-i-k

Problem 2: Double Neutralization

Transitive Agreement Intransitive Agreement

-m

-k



$$K = M - X$$

$$M = K - Z$$

→ **Contradiction**

Problem 3: Definiteness Agreement

- Crosslinguistically verbs don't agree with objects in definiteness, but tend to lack agreement with indefinite objects (Croft, 1988)
- The same in other Uralic Languages (Mordva, Nenets etc.):
Definite agreement = number agreement with definite objects
+ non-agreement with indefinite ones.
(Abondolo, 1998)

Indefinite Non-Agreement as Feature Deletion

- Definiteness is not an Agreement Feature.

- Universal Rule R: $\left[\begin{array}{c} +\text{AGR} \\ \dots \end{array} \right]_i \leftrightarrow \emptyset / \text{---} \left[\begin{array}{c} -\text{def} \\ +\text{Acc} \end{array} \right]_i$

”If a chain contains an indefinite direct object then delete all corresponding agreement features.”

- In a given language, R may or may not be active.
- more restrictive than account in terms of definiteness agreement, which predicts agreement with all features of indefinite objects.

Nominal Possessor Forms might be **transitive**

- (1) *KUHU KEJ TU?* (*kuhugəitʃü*)
 skin du 3sg
 "his two skins"
- (2) *KODA?A KEJ TU?* (*koða?akəitʃü*)
 kill du 3sg
 "he kills two" (Nganasan; Helimski, 1998:498/504)

But *-m* occurs with ...

- **intransitive** *-ik* verbs
- **intransitive** past tense verbs

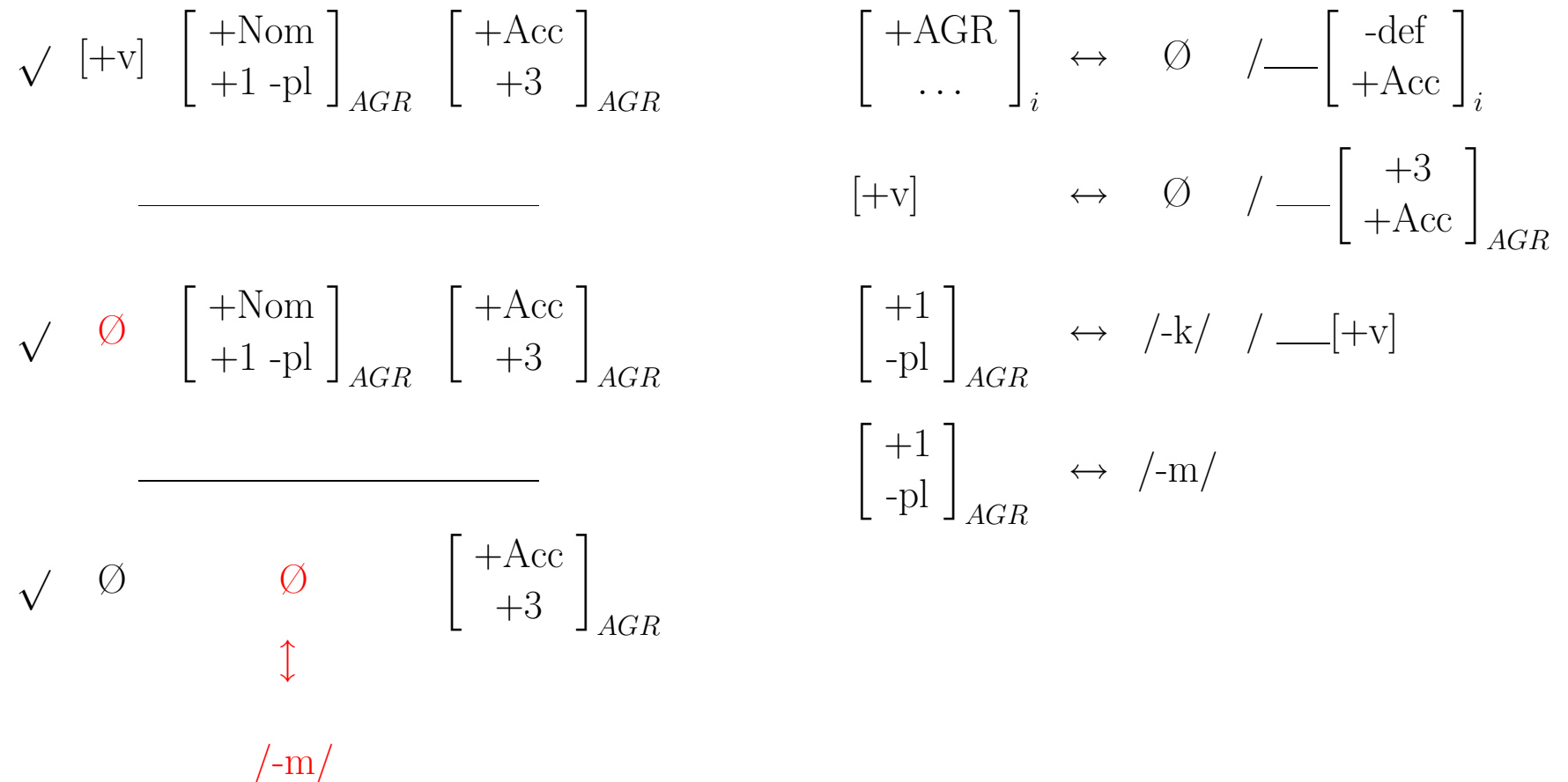
Definite Object Agreement as Feature Deletion

- Verbs are represented as $\checkmark + [+v]$ (Root + little v)
- specifically verbal affixes are context-restricted to $[+v]$, other affixes are unrestricted
- in definite forms (with 3rd person object agreement), $[+v]$ is deleted

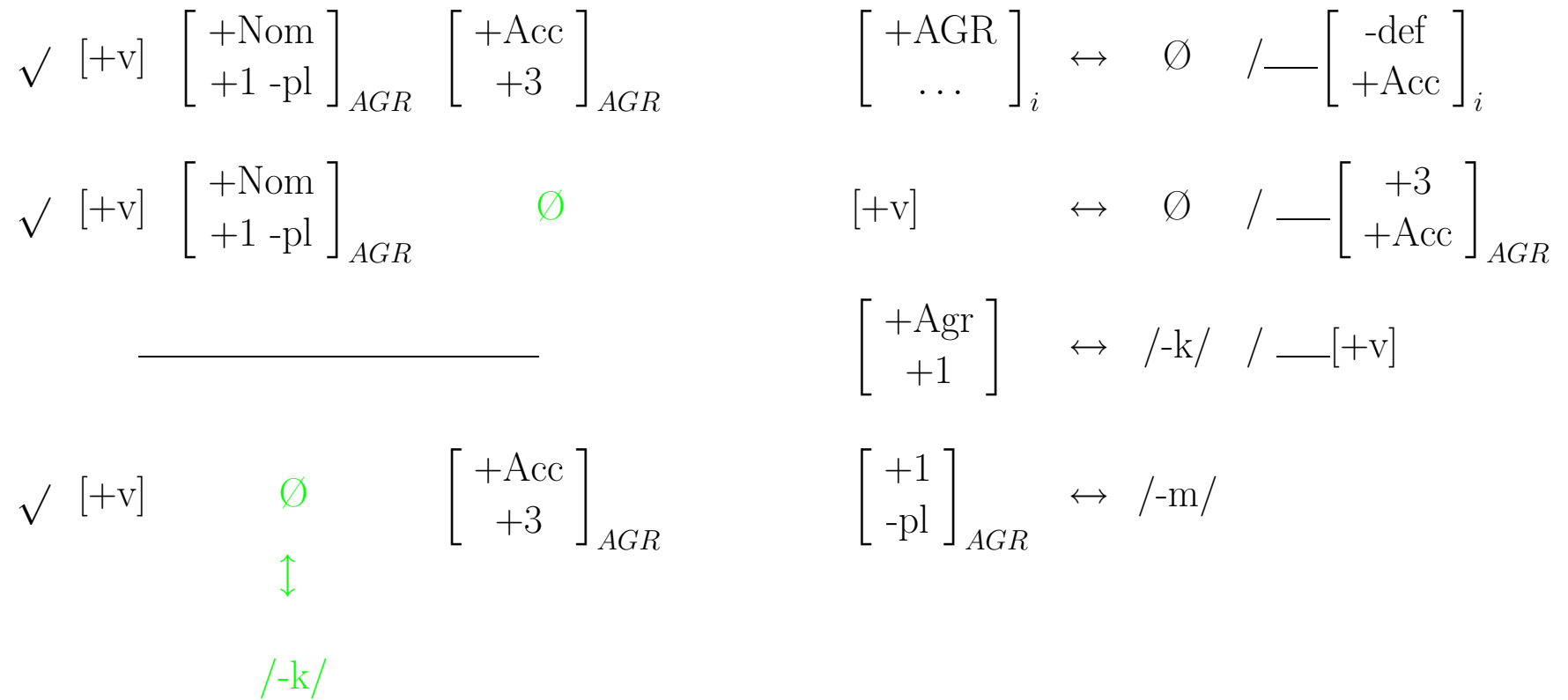
$$\left[\begin{array}{c} +1 \\ -pl \end{array} \right]_{AGR} \leftrightarrow /-k/ / \text{ — } [+v] \qquad [+v] \leftrightarrow \emptyset / \left[\begin{array}{c} +Acc \\ +3 \end{array} \right]_{AGR}$$

$$\left[\begin{array}{c} +1 \\ -pl \end{array} \right]_{AGR} \leftrightarrow /-m/$$

Derivation of Definite Object Form



Derivation of Indefinite Object Form



Neutralization for *-ik* verbs and [+past] forms

$$[+v] \leftrightarrow \emptyset / \left[\begin{array}{c} +1 \\ -pl \end{array} \right]_{AGR} \text{ — } [+past]$$

$$[+v] \leftrightarrow \emptyset / \left[\begin{array}{c} +1 \\ -pl \end{array} \right]_{AGR} \text{ — } \text{esz, isz, } \dots$$

Further Evidence for Non-Portmanteau Agreement

Subject	szeret-nee-l V-cond-2sg	kert-e N-3sg
Subject	szeret-ek V-1sg	eerte-tte-tek V-Past-2pl
Object + Subject	szeret-l-ek V-2sg-1sg	eerte-tte-e-tek V-Past-3sg-2pl

⇒ V AgrO AgrS is also the standard order in other Uralic languages

Carstairs-McCarthy's (1998a; 1998b) Analysis

- Inflectional affixes can have disjunct meanings but disjuncts must be compatible with each other
- Inflectional affixes should not have meanings containing negations or unmarked feature values

possible

-m [1 (definite OR past)]
-k [1]

impossible

-m [1 (past OR conditional)]
-k [1]

-k [1 present]

But this account . . .

- is empirically inadequate (*-m* in possessor/adpositional agreement)
- is of the wrong type: affix choice is driven by context restrictions (presence of *-ik* verbs)
- Affixes **are** often restricted to unmarked contexts (2sg *-sz*)

How to restrict Neutralization

- Formal Restrictiveness of DM-account allows "double neutralization" only in rich feature contexts
- Morphology is already substantially restricted by syntax
- Impoverishment (1sg *-m*) is restricted to marked categories, contexts of visible VIs are not (2sg *-sz*)

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