

Parasitic gapping: Determiner sharing is Gapping + lee UNIVERSITÄT Marie-Luise Schwarzer University of Leipzig LEIPZIG University of Chicago 12 – 13 April 2019 DS is sensitive to linear order Analysis **Gapping**: I remain agnostic about the exact analysis of verbal gapping. I assume it is 1. The deleted material in DS doesn't have to form a syntactic constituent, (6). a **syntactic process** that can involve **coordinations on different levels**. Any old hairless dog will enjoy a nice warm bath, and any old hairless (6)cat, a comfortable bed. Object determiner sharing (14)a. John will always kiss 2. If the left edge of an intonational phrase is occupied by a prosodically heavy conthe girls first and kiss stituent, DS becomes impossible, (7). the boys after. *[Die Pizza haben **wenige** Jungs bestellt], und [die Pasta, boys.NOM ordered and the pasta.ACC the pizza.ACC have few Step 1: deletion of quantifie (15)wenige Mädchen]. ... [VP kiss [DP all the [NP boys]]] [AdvP afgirls.NOM tew $(_{\iota}(_{\phi} \text{ kiss } (_{\sigma} \text{ all}) (_{\sigma} \text{ the}) (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}(_{\omega} \text{ all}))$ intended: "Few boys have ordered pizza and few girls have ordered pasta." $(_{\iota} (_{\phi} \text{ kiss} (_{\omega}(_{\sigma} \text{ all})) (_{\sigma} \text{ the}) (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}$ e. \mathbb{R} $(_{\iota}(_{\omega}(_{\phi} \text{ kiss } (_{\sigma} \text{ the }) (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}(_{\omega} \text{ after})))$ 3. Wolof (Niger-Congo) orders some quantifiers to the right of the noun, others to the left. DS is only possible with the *wh*-phrase that precedes the noun, (8). (16)Step 2: deletion of the dete $(_{\iota}(_{\omega}(_{\phi} \text{ kiss } (_{\sigma} \text{ the }) (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}(_{\omega} \text{ after})))$ lekk ceebujen] ak $[(\mathbf{\tilde{n}aata}) \text{ xale, mafe.}]$ a. % **ñaata** nit ñoy (8) $(_{\iota}(_{\omega}(_{\phi} \text{ kiss } (_{\sigma} \text{the }) (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}(_{\omega} \text{ after }))$ how.many girl 3PL.C.IMPF eat ceebujen and how.many boy mafe $(_{\iota} (_{\phi} \text{ kiss} (_{\omega}(_{\sigma} \text{ the})) (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}(_{\omega} \text{ after}))$ "How many girls eat ceebujen (a dish of rice and fish) and how many e. \mathbb{R} $(_{\iota}(\phi \text{ kiss } (\phi(\omega \text{ boys}))) (\phi(\omega \text{ after})))$ boys eat Mafe (a dish of lamb and peanut sauce)?" (17)Step 3: convergence b. [Nag-i **barinan** lekk-nan njax] ak [xaj-i (lekk-nan) yapp]. STRONGSTART- ι MATCH(ω ,LEX) MAX MATCH(syn,phon) $(_{\iota}(_{\phi} \text{ kiss } (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}(_{\omega} \text{ after})))$ cow-PL many eat-C grass and dog-PL eat-C meat a. Is $(_{\iota}(_{\phi} \text{ kiss } (_{\phi}(_{\omega} \text{ boys}))) (_{\phi}(_{\omega} \text{ after}))))$ "Many cows eat grass and dogs in general eat meat." $\#many \ dogs$ \Rightarrow Parallel OT would falsely predict candidate (15-c) to be the overall optimal output. Interim summary • There is a correlation between the obligatorily deleted verbal material and the **Theoretical background** locus of DS. • This can be accounted for if Gapping can happen at different heights of coordi-Harmonic Serialism nation (e.g. Potter et al. 2017). Derivational variant of OT • Winning candidate serves as in-(McCarthy 2010, Heck & Müller 2013) put for new optimization cycle • The height of coordination determines what element occupies the prosodically prominent left edge. • Output candidates may differ from input \Rightarrow Reference to intermediate repin max. 1 change resenations • Weak material in that position is left unpronounced in order to obey STRONGSTART. Syntax-to-phonology mapping • Serial optimization cycles ensure that complex left edges can be deleted. MATCH(syn,phon) (based on Selkirk 2011) (9)Map the left and right edges of a lexical syntactic constituent onto the left and right edges of a prosodic constituent. **Consequences and conclusion** 6 (10)a. $\left[_{DP} \left[_{D} many \right] \left[_{NP} \left[_{A} funny \right] \left[_{N} girls \right] \right] \right]$ b. $\left[\sigma \text{ many} \right] \left[\phi \left[\omega \text{ funny} \right] \right] \left[\omega \text{ girls} \right] \right]$ • DS is not a completely syntactic deletion process, as proposed by previous analy-MATCH(ω , LEX) (Selkirk 1995 a.o.) (11)ses, but is sensitive to the prosodic structure. Every phonological word must contain an instance of a lexical word. • This and its dependency on verbal gapping can be captured by an analysis that MATCH(conj, ι) (based on Wiklund 2007) (12)involves a conspiracy of two distinct ellipsis operations: gapping provides a certain A conjunct is mapped onto an intonational phrase (ι) . kind of coordination structure, which has a prominent initial position; this position can be targeted by LEE. STRONGSTART- ι (Weir 2016) (13)Intonational phrases should not have at their left edge a constituent that Prediction 1: material inside prosodic words resists DS is lower in the prosodic hierarchy than a prosodic word, i.e. phonologically X Prediction 2: only distributed scope in English subject DS $*(\iota (\sigma X) \dots)$ weak Prediction 3: OV languages should allow object DS with overt V

Selected References. Ackema & Szendrői (2002) Determiner sharing as an instance of dependent ellipsis, The Journal of Comparative Germanic Linguistics. Johnson (2000) Few dogs eat Whiskas or cats Alpo, UMOP. Lin (2002) Coordination and sharing at the interfaces, PhD thesis. Napoli (1982) Initial material deletion in English, Glossa. Selkirk (2011) The syntax-phonology interface, The Handbook of Phonolgy. Weir (2012) Left-edge deletion in English and subject omission in diaries, English Language & Linguistics. Wiklund (2007) The syntax of tenselessness. Zwicky & Pullum (1983) Deleting named morphemes, Lingua.

I am grateful for discussions with Peter Ackema, Gereon Müller, Andy Murphy, and Martin Salzmann. Thanks also to Chekh Ndong and Jean-Léo Diouf. This research has been supported by Deutsche Forschungsgemeinschaft (project number 282077626).

(Weir 2012)

- **Prediction 4: DS should be impossible with** N DET word order
- prosodic structure is appropriate
- 🕐 Open question: DS in a large conjunct approach to gapping
- \bigcirc Open question: Deletion of prosodic words after DET deletion



		1					
all		b.	and			VP	
all				VP			AdP
			ki	SS	_	DP	after
ler					a	ll the boys	
fter]		STRONGSTART	$\Gamma - \iota \text{MATCH}(\omega, \mathbf{L}) $	EX)	MAX	(MATCH(syn,phon)	
(fter)))		*!					
$(_{\omega} \text{ after})$	c)))		*!				
))					*		
erminer next in line							
))	ST	RONGSTART- ι	Match(ω ,Lez	\mathbf{X} $ $ \mathbb{N}	MAX	MATCH(syn,phon)	
er)))		*!					

? Prediction 5: DS should be possible outside of coordinations, wherever the