Revisiting donkey Sentences

bit.ly/heimfest 7.12.26, Luka Crnič



The baseline theory

(D) An antecedent NP must c-command a prononn in order to bild it.

2) The required C-command relation can be established by movement, which respects islands.

Gal petted every doukey, before she sold it. # If Gal petted every donkey, she sold itx.

(3) Indefinites denote existential quantifiers.

Donkey sentences

As we compare our examples of donkey sentences to the logical formulas that paraphrase them, we are led to hypothesize the following generalization: An indefinite that occurs inside an if-clause or relative clause gets interpreted as a universal quantifier whose scope extends beyond this clause. [...]



Current: 
$$\forall_y \forall_x: (farmer \times saw donkey y) \rightarrow (\times petted y)$$
  
Target:  $\forall_y \forall_x: (farmer \times saw donkey y) \rightarrow (\times petted y)$ 

[...] In fact, this generalization was never seriously entertained by anyone. Geach himself refrained from attempting any generalization at all, and it appears to be widely believed that any such attempt is bound to be a rather hopeless enterprise, leading to an unrevealing list of conditions at the very best.

# Suggestively Similar patterns elsewhere



<u>sports</u> kid 1 5 kid 2 5	Most kids whe play soccer or basketball play both sports.
kid 3 5 B kid 4 5 B kid 5 B	Most kids whe play either sport play both sports.
kid 6 B kid 7 B	Most kids whe play one sport play both sports.

Bar-Lev & Fox 2020, fn. 46



Most(ExIx plays bball 3)(ExIx plays both sports3)



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## Periving the suggestively Similar patterns





cq. Fodor & Sag 82, Rooth & Partec 82, Abusch 93, Reinhart 97



A universal inference can be generated for an indefinite sentence iff it is not equivalent to a universal quantifier alternative.

cf. Fox OF, Katzir OF

Missing alternatives

a consequence of the condition on universal inferences is that if a universal alternative to an indefinite sentence cannot be generated in grammar, thesentence should give rise to a universal inference.

Missing alternatives simpliciter Universal quantifier alternatives to indefinite sentences can be missing also if universal quantifiers cannot be targeted by the same grammatical operations as indefinities...

A further prediction

every lug league school accepts fever than 1000 students. together they accept many more than 1000.

Circling, back to donkey sentences

One consequence

One consequence

Further consequences

denkey anaphora require indefinite antecedents
 Every man who has a wife sits next to her.
 #Every married man site next to her.

Summary

it is worth exploring whether a general theory of donkey sentences can be developed on this basis, where it would fail, and why.

Towards a more realistic theory: Alternatives

Charlow 19

#### Condition and alternatives more sophisticated assumptions are needed about strengthening and alternatives (anyway)

A nniversal inference can be derived for an indefinite sentence iff it is not equivalent to any alternative to the sentence.

[a donkey], Levery former who saw x was Incky] # Eeury donkey I, Eevery farmer who saw & was Incky ] Eevery former who saw and donkey was Incky] Cevery former who saw every donkey was Incky] cf. Fex07, Katzir07

### Universal inference is blocked

the universal inference is equivalent to an alternative!

- What about the corresponding donkey sentences!
  - What about the scutence's implicatures?

the universal inference is not equivalent to any alternative with universal inference can be generated

Scalar implicatures  
Every farmer who saw a donkey was lucky.  
[apdonkey], Eevery farmer who saw x was lucky]  
Eevery farmer who saw apdonkey was lucky]  
Eevery farmer who saw componency was lucky]  
I negative of the simple alternative:  

$$n_y = Vy$$
:  $Vx$ : (farmer x saw donkey y)  $\rightarrow$  (x was lucky)  
I negation of subdomain alternatives:  
 $n_y = T!y$ :  $Vx$ : (farmer x saw donkey y)  $\rightarrow$  (x was lucky)

A further consequence

alternative: Galowns every donkey. she pets every donkey.

Towards a nore realistic theory: Indefinites

eg. Winter 97,02, Schlenker 06; Schlenker 04, Chierchia 05

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## Outlook

