



- (4)  $\{\exists x \in \{a\}[C(j, x)], \exists x \in \{b\}[C(j, x)]\}$       (4')  $\{\exists x \in \{a\}[C(j, x)], \exists x \in \{b\}[C(j, x)], \exists x \in \{ab\}[C(j, x)], \exists x \in \{a, b\}[C(j, x)], \exists x \in \{a, ab\}[C(j, x)], \exists x \in \{b, ab\}[C(j, x)]\}$   
 Abbreviated:  $\{a, b\}$ .      Abbreviated:  $\{a, b, ab, a \vee b, a \vee ab, b \vee ab\}$ .

★ Alternatives are factored into meaning via a silent exhaustivity operator  $O$ .  $O$  asserts the prejacent and negates the non-entailed alternatives. The DA of all our indefinites must be factored in in a pre-exhaustified form,  $ExhDA$  (obtained by applying  $O$  to individual DA; I assume pre-exhaustification of a DA is done relative to other DA of the same size).  $O_{ExhDA}$  without an intervening operator leads to a crash, but with an intervening modal leads to a Free Choice effect. Our seemingly episodic utterances are actually prefixed with a null epistemic necessity modal (akin to the Gricean *Bel<sub>S</sub>* ‘the speaker believes ...’), so  $O_{ExhDA}$  proceeds across this modal and yields an epistemic Free Choice effect aka ignorance, as shown below for SG.

- (5)  $O_{ExhDA} \square_S (a \vee b)$   
 $= \square_S (a \vee b) \wedge \underbrace{\neg O \square_S a}_{\square_S a \rightarrow \square_S b} \wedge \underbrace{\neg O \square_S b}_{\square_S b \rightarrow \square_S a}$   
 a.  $= \square_S (a \vee b) \wedge \square_S a \wedge \square_S b$       (✗; clash w/ scalar implic)  
 b.  $= \square_S (a \vee b) \wedge \neg \square_S a \wedge \neg \square_S b$       (✓; total ignorance)

★ Compatibility with certainty arises if an item can prune a natural subclass of its DA, e.g., just singletons or just non-singletons. As illustrated below for SG for a domain with 3 elements (pruning from a 2-element domain would destroy the domain), pruning the singletons / exhaustifying relative to just the non-singleton DA yields compatibility with positive certainty, (6), and pruning the non-singletons / exhaustifying relative to just the singleton DA yields compatibility with negative certainty, (7). If *algun-SG* and *irgend-SG&PL* only allow pruning of non-singleton DA whereas *algun-PL* and *some-SG&PL* allow pruning of either singleton or non-singleton DA, this captures the variation.

- (6)  $O_{ExhNonSgDA} \square_S (a \vee b \vee c)$       **just NonSgDA  $\Rightarrow$  positive certainty about a specific element ✓**  
 $= \square_S (a \vee b \vee c) \wedge \neg \underbrace{O \square_S (a \vee b)}_{\substack{\square_S (a \vee b) \wedge \neg \square_S (a \vee c) \wedge \neg \square_S (b \vee c) \\ \square_S (a \vee b) \rightarrow \square_S (a \vee c) \vee \square_S (b \vee c)}} \wedge \neg \underbrace{O \square_S (a \vee c)}_{\substack{\square_S (a \vee c) \wedge \neg \square_S (a \vee b) \wedge \neg \square_S (b \vee c) \\ \square_S (a \vee c) \rightarrow \square_S (a \vee b) \vee \square_S (b \vee c)}} \wedge \neg \underbrace{O \square_S (b \vee c)}_{\substack{\square_S (b \vee c) \wedge \neg \square_S (a \vee b) \wedge \neg \square_S (a \vee c) \\ \square_S (b \vee c) \rightarrow \square_S (a \vee b) \vee \square_S (a \vee c)}}$   
 verified, e.g., by  $\square_S a \wedge \neg \square_S / \square_S \neg b \wedge \neg \square_S / \square_S \neg c$

- (7)  $O_{ExhSgDA} \square_S (a \vee b \vee c)$       **just SgDA  $\Rightarrow$  negative certainty about a specific element ✓**  
 $= \square_S (a \vee b \vee c) \wedge \neg \underbrace{O \square_S a}_{\substack{\square_S a \wedge \neg \square_S b \wedge \neg \square_S c \\ \square_S a \rightarrow \square_S b \vee \square_S c}} \wedge \neg \underbrace{O \square_S b}_{\substack{\square_S b \wedge \neg \square_S a \wedge \neg \square_S c \\ \square_S b \rightarrow \square_S a \vee \square_S c}} \wedge \neg \underbrace{O \square_S c}_{\substack{\square_S c \wedge \neg \square_S a \wedge \neg \square_S b \\ \square_S c \rightarrow \square_S a \vee \square_S b}}$   
 verified, e.g., by  $\square_S \neg a \wedge \neg \square_S b \wedge \neg \square_S c$

**Summary and outlook.** As their name indicates, epistemic indefinites all have in common the ability to give rise to ignorance. However, they are also sometimes compatible with certainty. This compatibility with certainty varies in interesting ways within and between items. We started from the observation that, contrary to existing descriptions, this variation does not generally seem to be conditioned on number marking, and provided an alternative-based approach that derived it from an item’s lexically encoded ability to prune one natural subclass of its subdomain alternatives or another. This parametric approach captures the range of empirical data better than the existing accounts, offering a unified account for *algun*, *some*, and *irgend*. However, unlike the existing account of *algun*, it fails to explain why this particular indefinite / an indefinite in general, varies / may vary in its parametric setting between its singular and its plural form. A tentative answer in terms of how number marking may affect pruning tendencies will be explored in the talk.

## References

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