



## 1 OVERVIEW

**QUESTION:** What determines whether a language allows **hyperraising to object (HtO)** — movement of an argument of an embedded finite CP into the matrix clause?

(1) \*Bair thought **Badma**<sub>1</sub> [<sub>CP</sub> that **t**<sub>1</sub> will draw Sajana].  
*English*

(2) bair      **badm-i:jə**<sub>1</sub> [<sub>CP</sub> **t**<sub>1</sub> sajan-i:jə  
Bair.NOM **Badma-ACC**      Sajana-ACC  
zura-xa gə-žə] han-a:      *Buryat*  
draw-FUT say-ADV think-PST  
'Bair thought that Badma will draw S.'

**MY PROPOSAL:** semantic type of the CP determines whether HtO is possible out of it.

★ CPs come in two kinds: some, like Buryat CPs, denote properties of events (<vt>-CPs), others, like English CPs, denote properties of individuals (<et>-CPs);

★ only <vt>-CPs can be hyperraised out of: due to the semantics of movement into a  $\theta$ -position, hyperraising out of <et>-CPs creates a type mismatch.

## 2 ASSUMPTIONS

- (Kratzer 2013): CPs describe the Content of an event/individual, (3)-(5).
- neo-Davidsonian representations for all arguments including Theme ( $\theta_{Th}$ ): (6).

- (3)  $[[\text{think}]^{w,g} = \lambda e \in D_v. \text{think}(e)]$   
 (4)  $[[\text{CP}_{vt}]^{w,g} = \lambda e \in D_v. \text{CONT}(e) = \text{Badma will draw Sajana}]$   
 (5)  $[[\text{CP}_{et}]^{w,g} = \lambda x \in D_e. \text{CONT}(x) = \text{Badma will draw Sajana}]$   
 (6)  $[[\theta_{Th}]^{w,g} = \lambda f_{vt}. \lambda y_e. \lambda e_v. f(e) \wedge \text{Theme}(e)=y.]$

★ hyperraising to object involves (potentially covert) raising into the object  $\theta$ -position;

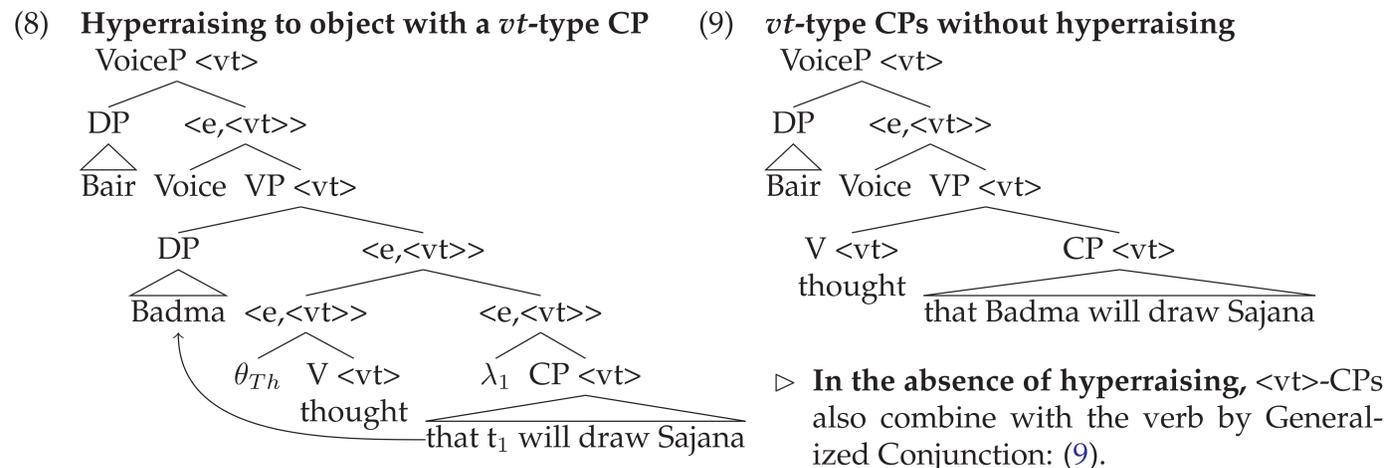
★ movement leaves a trace and creates an abstractor (Heim & Kratzer 1998), but the abstractor is separated from the DP's landing site (Deal 2018).

## 3 THE PROPOSAL

### LANGUAGES WITH vt-TYPE CPs

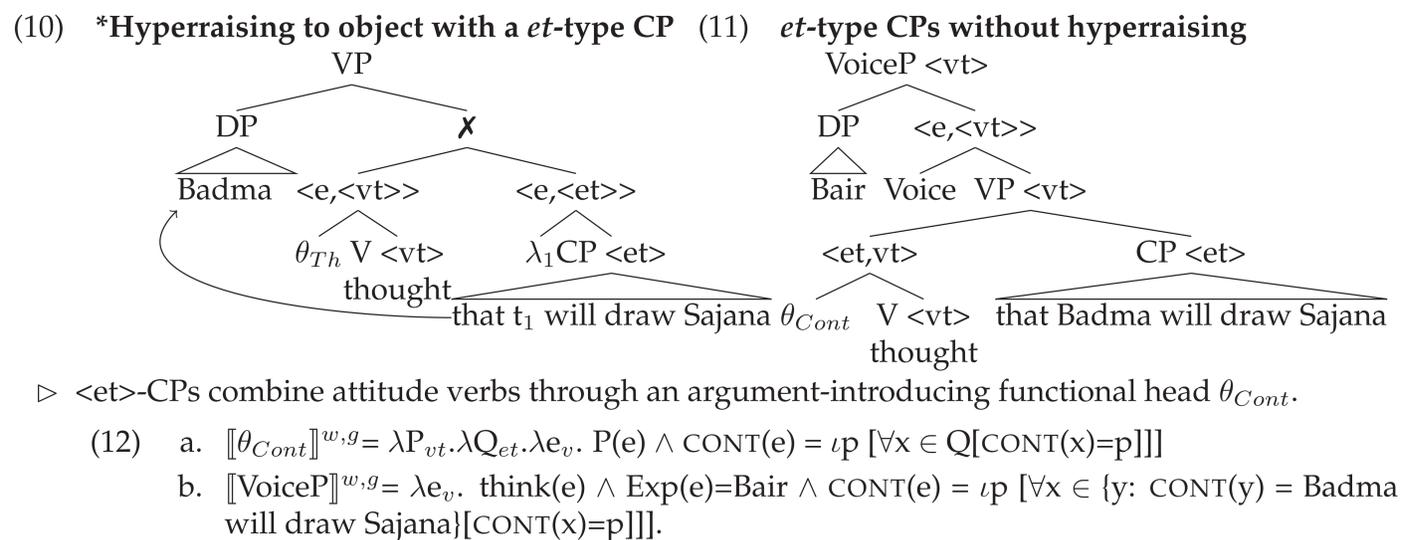
- Abstraction at the edge of a vt-type CP creates a function of the same type as the function created by combining the verb with the object-introducing  $\theta_{Th}$  — <e,<vt>>, (7a).
- This allows to combine the verb and the embedded clause by Generalized Conjunction (Partee & Rooth 1983): (7b). *Badma* saturates the individual argument; the resulting VoiceP is in (7c).

- (7) a.  $[[\lambda_1 \text{CP}_{vt}]^{w,g} = \lambda x \in D_e. \lambda e \in D_v. \text{CONT}(e) = x \text{ will draw Sajana}]$   
 b.  $[[\theta_{Th} \vee \lambda_1 \text{CP}_{vt}]^{w,g} = \lambda x \in D_e. \lambda e \in D_v. \text{think}(e) \wedge \text{Theme}(e)=x \wedge \text{CONT}(e) = x \text{ will draw S.}]$   
 c.  $[[\text{VoiceP}]^{w,g} = \lambda e_v. \text{think}(e) \wedge \text{Theme}(e)=\text{Badma} \wedge \text{Exp}(e)=\text{B.} \wedge \text{CONT}(e) = \text{Badma will draw S.}]$



### LANGUAGES WITH et-TYPE CPs

- In languages with <et>-CPs (English), the hyperraising derivation will create a **type mismatch**: an <e,<et>> CP will not be able to combine with the <e,<vt>>-type verb by Generalized Conjunction:



## 4 CORRELATIONS: THE SEMANTIC TYPE AND THE MORPHOSYNTAX

Morphology	Syntax	Semantics	Hyperraising	Languages
nominal	nominal-like distribution	<et> type	no	English, Russian
adverbial	adverbial-like distribution	<vt> type	yes	Buryat, Tatar

## 5 PREDICTIONS OF (8)

① **Promotion of the hyperraised argument into the matrix subject position:**

(13) **bi**<sub>1</sub>      badma-da **t**<sub>1</sub> [<sub>CP</sub> **t**<sub>1</sub> sajan-i:jə  
1SG.NOM B.-DAT      S.-ACC  
zura-xa gə-žə] hana-**gd-a:-b**  
draw-FUT say-CONV think-PASS-PST-1  
'Badma thought that I will draw Sajana.'

In order to saturate both the Theme of *thinking* and the Agent of *drawing*, the hyperraised DP needs to be interpreted in its final position.

② ⇒ **no reconstruction:**

(14) \*Badma      **xə**n-i-**šjə**      tərgə  
Badma.NOM who-ACC-PTCL cart  
əmdəl-ə:-**güj**      gə-žə xar-a:  
break-PST-NEG COMP see-PST  
'Badma saw that no one broke the cart.'

② ⇒ **obligatory de re:**

*de dicto* OK with NOM, \* with ACC  
 (15) səsəg      xan garudi **jubu:-n**  
Seseg.NOM HON Garudi **bird-NOM**  
/#**jubu:-jə** oi so:-gu:r ni:d-ə:  
/**bird-ACC** forest in-INSTR fly-PST  
gə-žə han-a: xarin xan garudi  
say-CONV think-PST but HON Garudi  
jubu:-n gazar də:rə ügi: gə-žə  
bird-NOM Earth on NEG say-CONV  
mədə-nə-b  
know-PRS-1SG  
'Seseg thought that bird Garudi flew through the forest, but I know that there is no bird Garudi on the Earth.'

③ ⇒ **no indexical shifting:**

(16) badma      **namajə** sajan-i:jə  
Badma.NOM 1SG.ACC Sajana-ACC  
zura-xa gə-žə han-a:  
draw-FUT say-CONV think-PST  
'Badma<sub>k</sub> thought that I<sub>speaker/\*k</sub> will draw Sajana.'

### SELECTED REFERENCES:

KRATZER, A. (2013). Modality for the 21st century. *19th International Congress of Linguists*: [https://works.bepress.com/angelika\\_kratzer/28/](https://works.bepress.com/angelika_kratzer/28/).  
 DEAL, A.R. (2018). Compositional paths to *de re*. In S. Maspong, B. Stefánsdóttir, K. Blake, and F. Davis (eds.) *Proceedings of SALT 28* 622–648.