



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**₁ [_{CP} that **t**₁ will draw Sajana]. *English*
- (2) bair **badm-i:jə**₁ [_{CP} **t**₁ 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 θ -position, hyperraising out of <et>-CPs creates a type mismatch.

2 ASSUMPTIONS

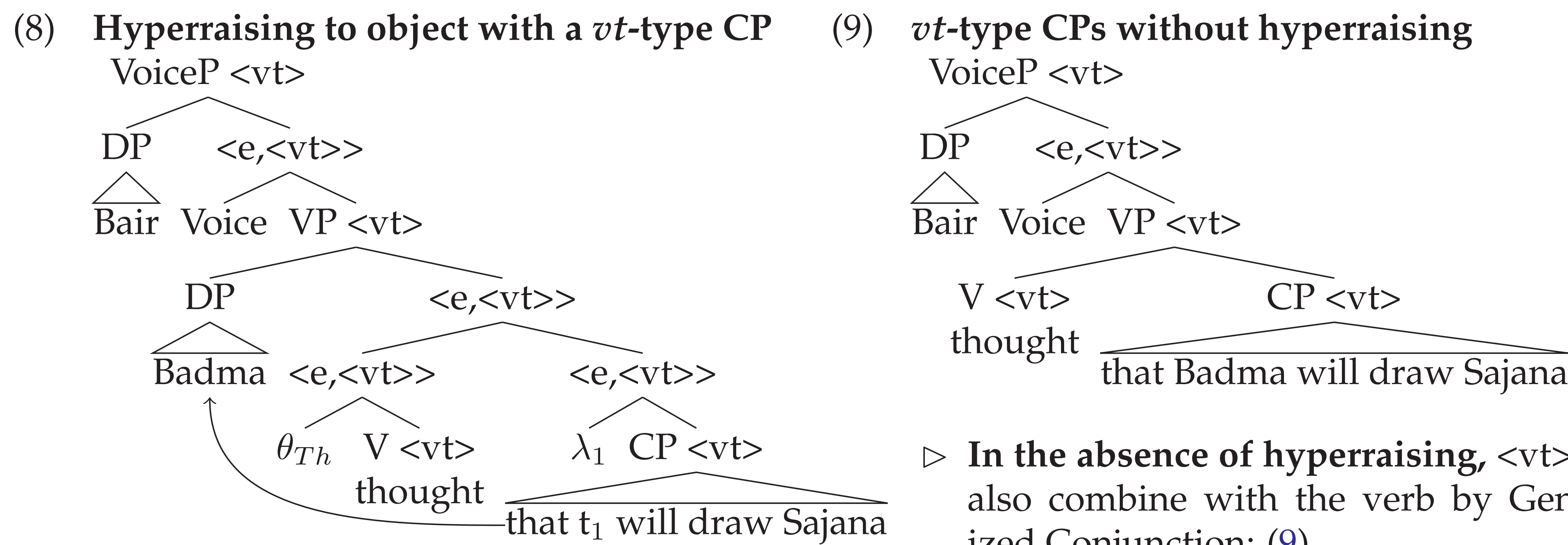
- (Kratzer 2013): CPs describe the Content of an event/individual, (3)-(5).
- neo-Davidsonian representations for all arguments including Theme (θ_{Th}): (6).
- (3) $[[think]]^{w,g} = \lambda e \in D_v. think(e)$
- (4) $[[CP_{vt}]^{w,g} = \lambda e \in D_v. CONT(e) = Badma \text{ will draw Sajana}$
- (5) $[[CP_{et}]^{w,g} = \lambda x \in D_e. CONT(x) = Badma \text{ will draw Sajana}$
- (6) $[[\theta_{Th}]^{w,g} = \lambda f_{vt}. \lambda y_e. \lambda e_v. f(e) \wedge Theme(e)=y.$

- ★ hyperraising to object involves (potentially covert) raising into the object θ -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

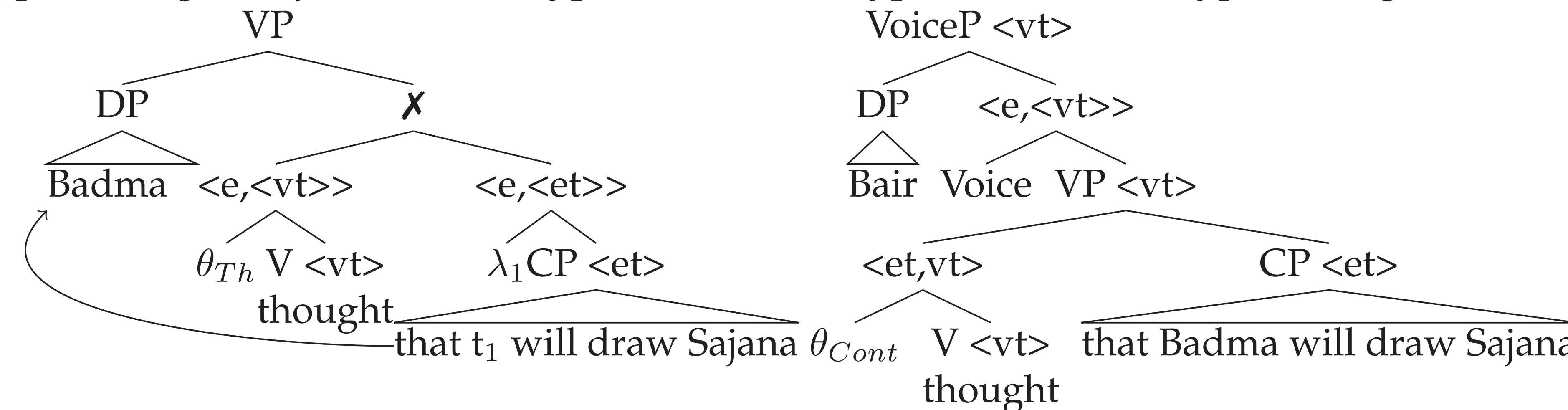
- Abstraction at the edge of a vt-type CP creates a function of the same type as the function created by combining the verb with the object-introducing θ_{Th} — <e,<vt>>, (7a).
- This allows to combine the verb and the embedded clause by Generalized Conjunction (Partee & Rooth 1983): (7b). *Badma* saturates the individual argument; the resulting VoiceP is in (7c).
- (7) a. $[[\lambda_1 CP_{vt}]^{w,g} = \lambda x \in D_e. \lambda e \in D_v. CONT(e) = x \text{ will draw Sajana}$
 b. $[[\theta_{Th} V \lambda_1 CP_{vt}]^{w,g} = \lambda x \in D_e. \lambda e \in D_v. think(e) \wedge Theme(e)=x \wedge CONT(e) = x \text{ will draw S.}$
 c. $[[VoiceP]^{w,g} = \lambda e_v. think(e) \wedge Theme(e)=Badma \wedge Exp(e)=B. \wedge CONT(e) = Badma \text{ will draw S.}$



▷ In the absence of hyperraising, <vt>-CPs also combine with the verb by Generalized Conjunction: (9).

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:
- (10) *Hyperraising to object with a et-type CP (11) et-type CPs without hyperraising



▷ <et>-CPs combine attitude verbs through an argument-introducing functional head θ_{Cont} .

- (12) a. $[[\theta_{Cont}]^{w,g} = \lambda P_{vt}. \lambda Q_{et}. \lambda e_v. P(e) \wedge CONT(e) = \iota p [\forall x \in Q[CONT(x)=p]]]$
 b. $[[VoiceP]^{w,g} = \lambda e_v. think(e) \wedge Exp(e)=Bair \wedge CONT(e) = \iota p [\forall x \in \{y: CONT(y) = Badma \text{ will draw Sajana}\}[CONT(x)=p]]]$

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**₁ badma-da **t**₁ [_{CP} **t**₁ 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_k thought that I_{speaker/*k} 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/.
 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.