

Cross-clausal A-dependencies

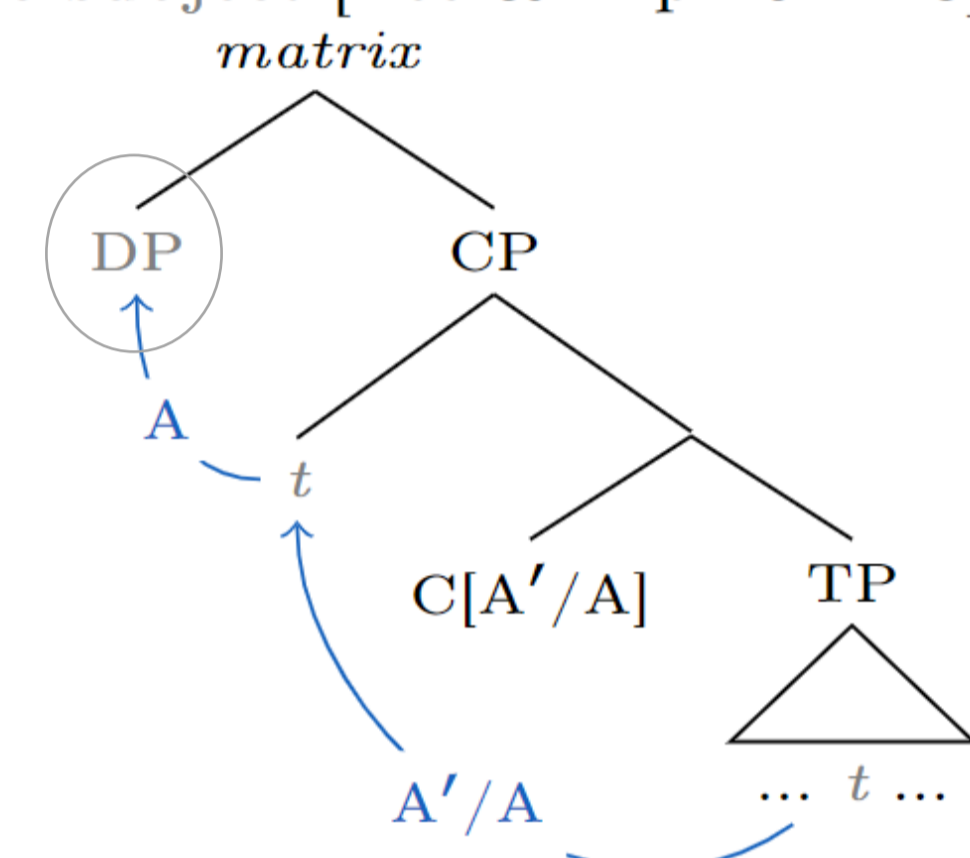
• CCA: Hyperraising, Long-distance Agreement, Hyper-ECM

- (1) a. *I believe [that her won the triathlon]. [Wurmbrand 2019: 1]
 b. *She seems [that t won the triathlon]. [Wurmbrand 2019: 1]
- (2) a. Bat *nokhoi-g* chang-aar [t gaikhal-ta gej] khel-sen.
 Bat dog-ACC loudly [t wonder-with COMP] say-PST
 'Bat said loudly that dogs are wonderful.'
 Mongolian Hyperraising to object [Fong 2019: 3]
- b. *Coeng jyu gamgok/tengman* [waa t m-wui ting].
 CL rain feel.like/hear [COMP t not-will stop]
 'It is felt/heard that the rain will not stop.'
 Cantonese Hyperraising to subject [Lee & Yip 2022: 3]

• CCA: A-dependency into & A'-movement out of a full CP

• Ban on Improper Movement: A' → A

• Composite Probe on CCA.CP: A'/A → A [Wurmbrand 2019, Lohninger et al 2022]



The A'/A difference

- Positional A'/A difference [classical view]
 - > A-movement targets IP/TP
 - > A'-movement targets CP
- Featural A'/A difference [Obata & Epstein 2011, van Urk 2015]
 - > A'-features: [Φ], [θ], [n], [D]
 - > A'-features: [FOC], [TOP], [WH], [REL]
- Composite [A'/A] probes: mixture of A'- & A-properties
 - > E.g.: CCA, wh-movement with A-restrictions, ...

Dependent Probe: *CCA + A'-movement

- [A'] probes together with [A]; they have to find the same goal
- A'-movement (wh-movement, topicalisation, focalisation, relativisation) simultaneously to CCA is impossible

- (3) *Ce l-ai simțit pe Ion [că t nu vrea t]?
 what him-have.2SG felt DOM Ion [COMP t not wants t]
 Int.: 'What did you feel that Ion did not want?'
 Romanian *Hyperraising + Wh-movement [Alboiu & Hill 2016: 277]
- (4) *enir [tu micșir b-ok'āk'-ru-ti] b-iyxo
 mother [who.ERG money.III.ABS III-steal-PSTPRNMLZ] III-knows
 Int.: 'The mother knows who stole the money.'
 Tsez *LDA + Wh-movement [Polinsky & Potsdam 2001: 634]
- (5) * [(biz-im) | Mert-i t öp-tü diye | duy-duğ-umuz] kızı-Ø
 [(we-GEN) | Mert-ACC t kiss-PAST COMP | hear-REL-1PL.POSS | girl-NOM
 hasta-y-mış.
 sick-COP-EVID.PAST
 Int.: 'The girl that we heard that Mert kissed is sick.'
 Turkish *Hyper-ECM + Relativisation [Şener 2008: 34]

(In)dependence of Composite Probe

- Composite probes on C come in different forms [Scott 2021]
- Typologically different types of CCA-languages, depending on the type of composite probe [Lohninger et al 2022]
- [A] on C enables CCA [Alboiu & Hill 2016, Bondarenko 2017, Zyman 2018, Fong 2019, Mursell 2020, Gong 2022]
- [A'] triggers discourse-bound interpretation
- **Dependent [A'/A] Probe** [van Urk 2015, Erlewine 2018,...]
 - > [A] and [A'] search for a single goal with both fitting features
 - > [A'] involved in CCA
 - > Japanese, Korean, Romanian, Tsez, Turkish
- **Independent [A'] [A] Probe** [Scott 2021, Lohninger et al 2022]
 - > [A] and [A'] can probe independently and agree with two different goals
 - > [A'] not necessarily involved in CCA
 - > Braz. Portuguese, Burat, Cantonese, Mongolian, Nez Perce, Uyghur, Vietnamese, Zulu

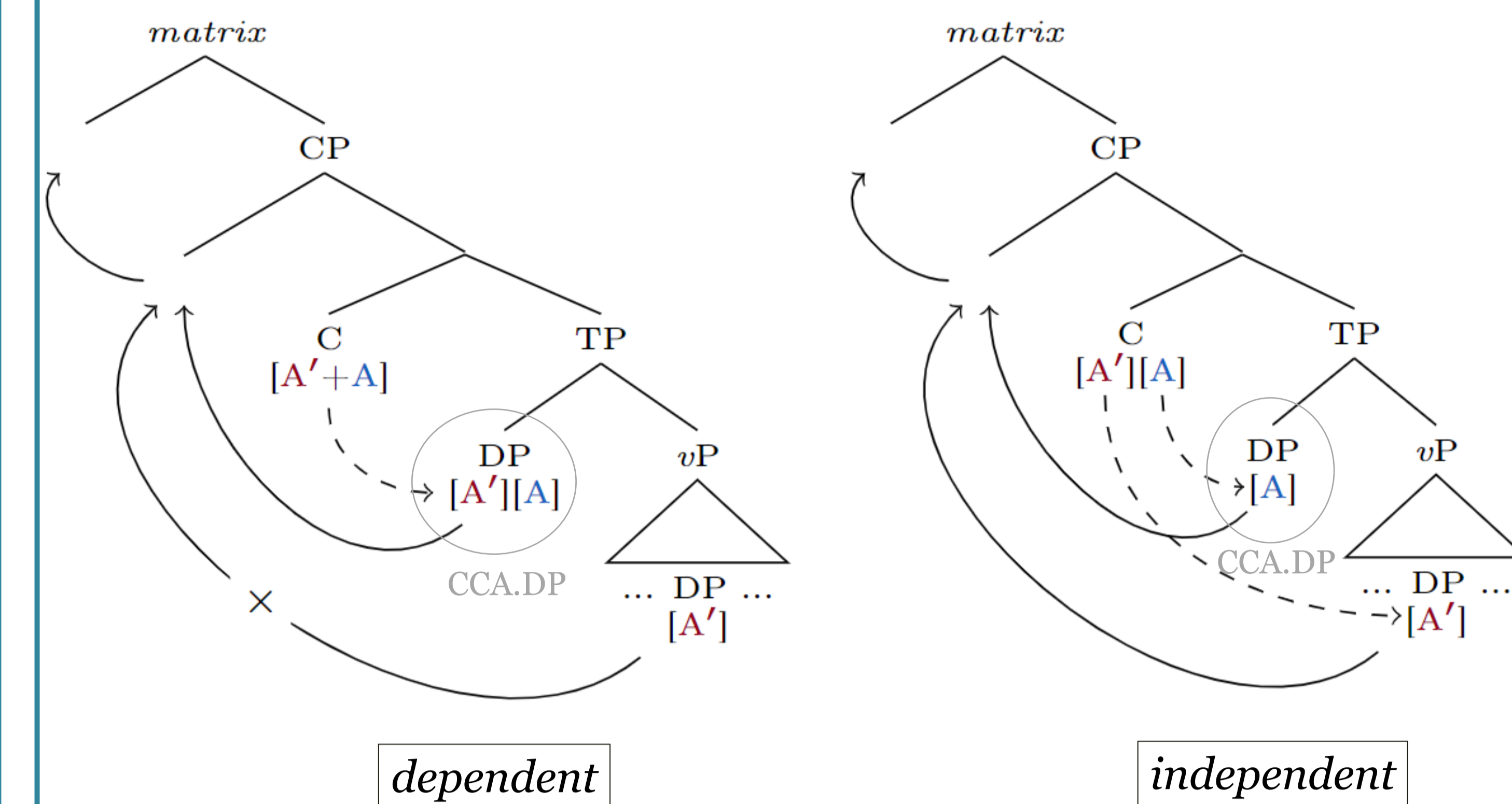
Independent Probe: CCA + A'-movement

- [A] of composite independent probe responsible for CCA
 - [A'] can agree with a separate goal & trigger movement thereof
 - A'-movement simultaneously to CCA is possible
- (6) Buuz-iig bol Nara [Dorj(-iig) t id-sen gej] khel-sen.
 buuz-ACC TOP Nara.NOM [Dorj(-ACC) t eat-PST COMP] say-PST
 'The buuz, Nara said that Dorj ate.'
 Mongolian Hyper-ECM + Topicalisation [Fong 2019: 28]
 - (7) Quais livros elas parec-em [que t ler-am t]?
 which books they seem-PL [that t read-PL t]
 'Which books do they seem to have read?'
 Braz. Portuguese Hyperraising + Wh-movement [Kobayashi 2020: 18]
 - (8) Nó nghe nói [ngay c sách t cũng không đọc t]
 3SG hear [even at.all book t also not read t]
 'It is heard that s/he does not even read books.'
 Vietnamese Hyperraising + Focalisation [Lee & Yip 2022: 21]
 - (9) [Go fung gamgok [waa t wui ceoilam t]] ge syu.
 [CL wind feel.like [COMP t will blow.down t]] MOD tree
 'The tree which it is felt like the wind will blow down.'
 Cantonese Hyperraising + Relativisation

Typology

Probing	Dependent	Independent
No sem. restr. on CCA.DP	✗	✓
CCA + A'-mvt.	✗	✓
Languages	Japanese, Korean, Romanian, Tsez, Turkish	Braz. Portuguese, Cantonese, Mongolian, Passamaquoddy, Uyghur, Vietnamese, Zulu

Novel Prediction



Dependent probing languages **forbid** CCA + A'-movement

Independent probing languages **allow** CCA + A'-movement

Semantic Restrictions on CCA.DP

- Dependent Probe: CCA.DP needs to receive a certain semantic, discourse-bound interpretation (topic, focus, major subject,...)
- Independent Probe: any DP can undergo CCA
- [A'] → discourse-bound interpretation; "semantic restrictons"
- [A] → CCA
 - > Dependent probing [A'/A] → semantic restrictions
 - > Independent probing [A'] [A] → no semantic restrictions

- (10) a. Am mirosit (*pe cineva) [că t ne minte].
 have.I smelled (*DOM someone) [COMP t 1PL.DAT lies]
 Int.: 'I/we suspected that someone was lying to us.'
 Romanian (dependent) [Alboiu & Hill 2016: 276]
- b. Houdo jan (*ne,) gamgok [waa t wui lai].
 many person (*TOP) feel.like [COMP t will come]
 'It is felt that many people will come.'
 Cantonese (independent) [Lee & Yip 2022: 18]

Conjoint Probing of Independent Probe

- [A'] and [A] can probe together for one element
- (11) men [Öktür-niy qatfan kel-idi-ran-(liq)-i-ni] bil-i-men.
 I [Öktür-GEN when come-IMPV-RAN-(LIQ)-3.POSS-ACC] know-IMPV-1SG
 'I know when Öktür will come.'
 Uyghur LDA + Wh-movement [Asarina & Hartmann 2011: 8]
 - (12) [Öktür-iq-la kel-gen-lik] xever-i muhim.
 [Öktür-GEN-only come-RAN-LIQ] news-3.POSS important
 'The news that only Öktür came is important.' (focus)
 Uyghur [A'] and [A] probe together [Asarina & Hartmann 2011: 10]

Selected References

More examples: Erlewine, M. Y. 2018. "Extraction and licensing in Toba Batak." *Language* 94.3: 662-697. Fong, S. 2019. "Proper movement through Spec-CP: An argument from hyperraising in Mongolian". In: *Glossa* 4.1, 1-42. Lee, T. T.-M., Yip, K. F. 2022. Hyperraising, evidentiality, and phase deactivation. Ms., University of Southern California and Yale University. Lohninger, M., Kovač, I., Wurmbrand, S. 2022. "From Prolepsis to Hyperraising". In: *Philosophies* 7.2, 1-40. Obata, M. & Epstein S. D. 2011. Feature-Splitting Internal Merge: Improper Movement, Intervention, and the A/A_φ Distinction. In: *Syntax* 14:2, 122-147. Scott, T. 2021. Formalizing three types of mixed A'/A agreement. Ms., UC Berkeley. van Urk, C. 2015. "A uniform syntax for phrasal movement: A case study of Dinka Bor". PhD Thesis. MIT. Wurmbrand, S. 2019. "Cross-clausal A-dependencies". In: *Proceedings of CLS54*. 585-604.

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