

Cyclicity in Agree: Maximal projections as probes

Emily Clem

University of California, San Diego

`eclem@ucsd.edu`

University of Southern California

November 18, 2019

What are the parameters of crosslinguistic variation
in switch-reference systems?

Switch-reference crosslinguistically

Switch-reference in Kiowa (Kiowa-Tanoan; Oklahoma; McKenzie 2012)

(1) [Ø-hé:bà=**tsē:**] ěm-só:
3SG-enter.PF=when.SS 3SG:RFL-sit down.PF
'When she_i came in, she_i sat down.'

(2) [Ø-hé:bà=**ē:**] ěm-só:
3SG-enter.PF=when.DS 3SG:RFL-sit down.PF
'When she_i came in, she_j sat down.'

Some languages with switch-reference

North America

Lakota (Siouan)

Washo (Isolate)

Africa

Sidaama (Cushitic)

Yemsa (Omotic)

Australia

Wanyi (Garrwan)

Warlpiri (Pama-Nyungan)

South America

Aguaruna (Jivaroan)

Quechua (Quechuan)

Eurasia

Éven (Tungusic)

Kolyma (Yukaghir)

Oceania

Benabena (Gorokan)

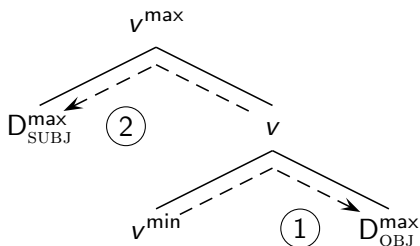
Whitesands (Austronesian)

A theoretical question

How are seemingly long-distance dependencies established in syntax, and are they truly non-local?

Cyclic Agree (Rezac, 2003; Béjar and Rezac, 2009)

- A probe first probes its c-command domain
- If the probe remains unsatisfied, when the head reprojects to form an intermediate projection, the probe reprojects as well
- The probe then probes its new, expanded c-command domain (the specifier of the head)

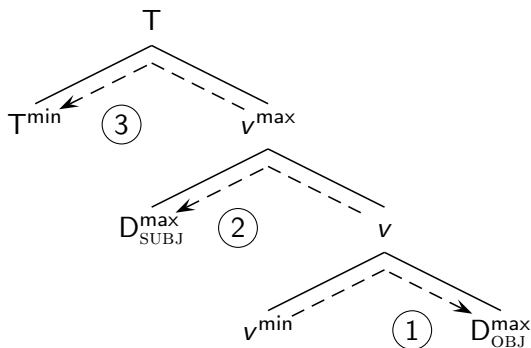


Applications of cyclic expansion

- Cyclic expansion has been leveraged to account for agreement displacement (Rezac, 2003, 2004; Béjar and Rezac, 2009)
 - Agreement that typically cross-references the internal argument can exceptionally cross-reference the external argument
 - If the probe is not satisfied by the IA in its complement, it can agree with the EA in its specifier
- It can also account for Person Case Constraint effects (Walkow, 2013; Ivan, 2018)
 - If a probe located between the DO and IO is satisfied by the DO, it cannot agree with and license the IO

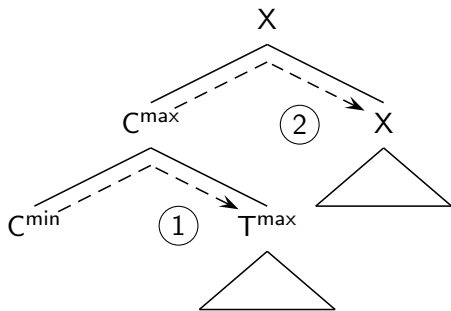
BPS and Cyclic Agree

- In Bare Phrase Structure (BPS), there is no formal distinction between the label of intermediate and maximal projections
- Cyclic Agree and BPS predict that maximal projections should be able to serve as probes
 - This prediction is difficult to test since the c-command domain of X^{\max} typically only contains the head that selects it



The claim

- I argue that this prediction of Cyclic Agree and BPS is borne out in a structure involving an agreeing adjunct C



The proposal in a nutshell

- I argue for the existence of this type of structure involving agreeing adjunct C in Amahuaca (Panoan; Peru)
 - Adjunct C^{\min} probes DPs in its c-command domain, the adjunct clause
 - Because the probe on C remains unsatisfied, C^{\max} also probes its c-command domain, agreeing with matrix DPs

The upshot

The Amahuaca data provide support for a Cyclic Agree model and suggest that cyclic expansion of probes is fully generalizable to maximal projections

Roadmap

1. Introduction
2. Amahuaca agreeing C
3. The Analysis: Maximal projections as probes
4. Comparison with alternative analyses
5. Predictions and typology

Amahuaca agreeing C

Amahuaca

- Amahuaca is an endangered Panoan language spoken in the Peruvian and Brazilian Amazon



Amahuaca word order

- Amahuaca is mostly head final in the TP domain
- The base SOV order can be obscured by scrambling of arguments and adjuncts
- Matrix C is a second-position clitic that surfaces after the first syntactic constituent

(3) [jaa joni chaita=n]=**mun** nami pi=hi=ki=nu
DEM man tall=ERG=C_{MATRIX} meat bite=IPFV=3.PRES=DECL
'That tall man is eating meat.'

(4) [joni=n xuki jova=hain]=**mun**
man=ERG corn cook=DS.WHILE=C_{MATRIX}
xano vua=xo=nu
woman sing=3.PST=DECL
'While the man cooked corn, the woman sang.'

Amahuaca case

- Amahuaca shows a tripartite case alignment
 - Intransitive subjects are marked **nominative (=x)**
 - Transitive subjects are marked **ergative (=n)**
 - Objects are unmarked (\emptyset)

(5) **vaku=x**=mun rakuu=xo=nu
child=NOM=C be.afraid=3.PST=DECL
'The **child** was afraid.'

(6) **xano=n**=mun **chopa** patza=hi=ki=nu
woman=ERG=C clothes wash=IPFV=3.PRES=DECL
'The **woman** is washing **clothes**.'

- Differential subject marking causes both intransitive and transitive subjects to sometimes surface in an unmarked form (Clem, 2019)

Temporal adjunct clauses

- In temporal adjunct clauses, the element indicating the temporal relationship between clauses is an enclitic that typically surfaces on the verb of the adjunct clause

(7) [jaa=x_i vua=**xon**]=mun
3SG=NOM sing=SA.AFTER=C_{MATRIX}
xano=n_i xuki jova=xo=nu
woman=ERG corn cook=3.PST=DECL
'After she_i sang, the woman_i cooked corn.'

- I will focus on 'after' clauses, but 'while' and 'before' show similar behavior

Arguments in 'after' clauses

- Amahuaca 'after' clauses are full CPs
- They can include all arguments of the verb, including case-marked subject DPs and object DPs

(8) [**xano=n_i** **chopa** patza=**xon**]=mun
woman=ERG clothes wash=SA.AFTER=C_{MATRIX}
pro_i hatza jova=hi=ki=nu
 manioc cook=IPFV=3.PRES=DECL
'After the woman_i washed clothes, she_i is cooking manioc.'

(9) [**kiyoo-vini=x_i** nokoo=**xon**]=mun
all-EMPH=NOM arrive=SA.AFTER=C_{MATRIX}
pro_i hatza jova=kan=xo=nu
 manioc cook=3PL=3.PST=DECL
'After everyone_i arrived, they_i cooked manioc.'

Adjuncts in 'after' clauses

- 'After' clauses can host adjuncts, such as adverbs

(10) [*pro*_i **koshi** ka=xon]=mun
quickly go=SA.AFTER=C_{MATRIX}
xano=*n*_i hatza vana=xo=nu
woman=ERG manioc plant=3.PST=DECL
'After she_i went quickly, the woman_i planted manioc.'

(11) [**moha** xano=*x*_i nokoo=xon]=mun
already woman=NOM arrive=SA.AFTER=C_{MATRIX}
jato=*n*_i hatza xoka=kan=xo=nu
3PL=ERG manioc peel=3PL=3.PST=DECL
'After the women_i had already arrived, they_i peeled manioc.'

Nested 'after' clauses

- 'After' clauses are large enough to allow other 'after' clauses to adjoin within them

(12) $[[pro_i \text{ kari choka}=\boxed{\text{xon}}]$ $pro_i \text{ hatza xoka}=\boxed{\text{xon}}]=\text{mun}$
yam wash=SA.AFTER manioc peel=SA.AFTER=C_{MATRIX}
xano=n_i xuki jova=xo=nu
woman=ERG corn cook=3.PST=DECL
'[After she_i peeled manioc [after she_i washed yams]],
the woman_i cooked corn.'
(or 'The woman washed yams, peeled manioc, and cooked corn.')

Scrambling in 'after' clauses

- 'After' clauses are typically SOV
- However, 'after' clauses allow clause-internal scrambling

(13) 'After I cooked paca, I peeled manioc.'

a. **SOV** 'after' clause

[**hiya=n hano** jova=**xon**]=mun
1SG=ERG paca cook=SA.AFTER=C_{MATRIX}
hun hatza vuro=ku=nu
1SG manioc peel=1.PST=DECL

b. **OSV** 'after' clause

[**hano hiya=n** jova=**xon**]=mun
paca 1SG=ERG cook=SA.AFTER=C_{MATRIX}
hun hatza vuro=ku=nu
1SG manioc peel=1.PST=DECL

External syntax of 'after' clauses

- 'After' clauses typically appear in high peripheral positions
- It is ungrammatical for 'after' clauses to appear below aspect marking

(14) 'After she_i sang, the woman_i is washing manioc.'

- a. $[pro_i \text{ vua} = \boxed{\text{xon}}] = \text{mun}$
sing=SA.AFTER=C_{MATRIX}
xano=n_i hatza choka=**hi**=ki=nu
woman=ERG manioc wash=IPFV=3.PRES=DECL
- b. xano=n_i=mun hatza choka=**hi**=ki=nu
woman=ERG=C_{MATRIX} manioc wash=IPFV=3.PRES=DECL
 $[pro_i \text{ vua} = \boxed{\text{xon}}]$
sing=SA.AFTER
- c. * xano=n_i=mun hatza choka=**hi**
woman=ERG=C_{MATRIX} manioc wash=IPFV
 $[pro_i \text{ vua} = \boxed{\text{xon}}] = \text{ki} = \text{nu}$
sing=SA.AFTER=3.PRES=DECL

'After' clauses vs. relative clauses

- Nominalized internally-headed relative clauses can appear below aspect

(15) Juan_i=mun chivan-vo=**hi** [jan_i jono vuchi=ha]=ki=nu
Juan=C chase-AM=IPFV 3SG peccary find=PFV=3.PRES=DECL
'The peccary that he_i found is chasing Juan_i.'

- The positional restriction on 'after' clauses is truly syntactic

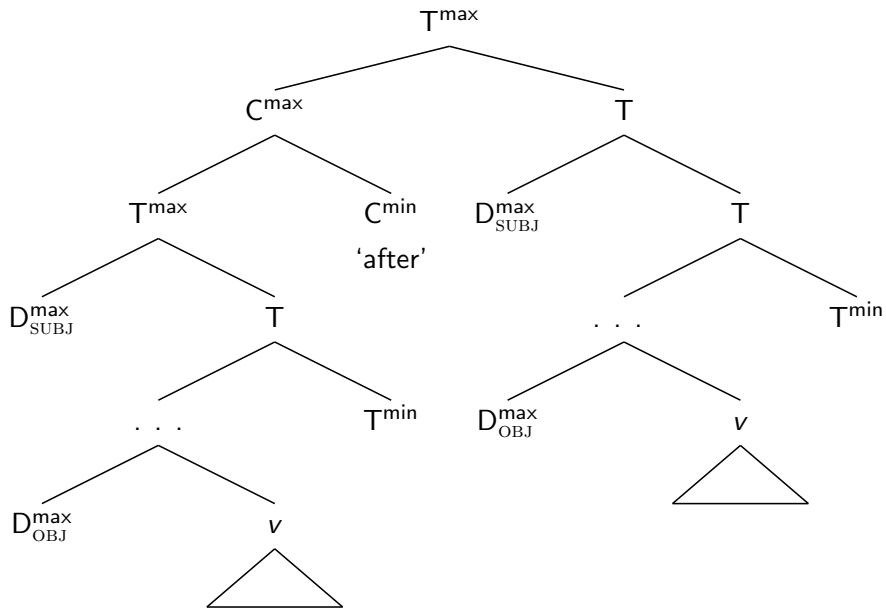
Condition C

- Even if ‘after’ clauses began low in the structure, they do not reconstruct below matrix arguments for Condition C

(16) ‘After Maria_i went quickly, she_i washed clothes.’

- a. [*pro*_i koshi ka=xon]=mun
quickly go=SA.AFTER=C_{MATRIX}
Maria=n_i chopa patza=xo=nu
Maria=ERG clothes wash=3.PST=DECL
- b. [**Maria**_i koshi ka=xon]=mun
Maria quickly go=SA.AFTER=C_{MATRIX}
*pro*_i chopa patza=xo=nu
clothes wash=3.PST=DECL
- c. **jaa**=n_i=mun [**Maria**_i koshi ka=xon]
3SG=ERG=C_{MATRIX} Maria quickly go=SA.AFTER
chopa patza=xo=nu
clothes wash=3.PST=DECL

Structure of 'after' clauses



Agreement in 'after' clauses

- There are several forms of the enclitic used to mean 'after'
 - These morphemes vary depending on coreference relationships between arguments (Sparing-Chávez, 1998, 2012)
 - The choice of morpheme is also sensitive to the abstract case of coreferential arguments

Agreement in 'after' clauses

- In (17), the adjunct clause subject is coreferential with a matrix transitive subject (**ERG**), and the agreeing adjunct C takes the form =xon

(17) [jaa=x_i vua=**xon**]=mun
3SG=NOM sing=SA.AFTER=C_{MATRIX}
xano=n_i; xuki jova=xo=nu
woman=ERG corn cook=3.PST=DECL
'After she_i sang, the **woman_i** cooked corn.'

- In (18), the adjunct clause subject is coreferential with a matrix intransitive subject (abstract **NOM**), and the agreeing adjunct C takes the form =hax

(18) [jaa=x_i vua=**hax**]=mun **xano**; chirin=xo=nu
3SG=NOM sing=SS.AFTER=C_{MATRIX} woman dance=3.PST=DECL
'After she_i sang, the **woman_i** danced.'

Agreement in 'after' clauses

- In (19), the adjunct clause subject is coreferential with a matrix object (abstract ACC), and the agreeing adjunct C takes the form =xo

(19) [jaa=x_i vua=**xo**]=mun
3SG=NOM sing=SO.AFTER=C_{MATRIX}
hinan xano_i; chivan-vo=xo=nu
dog.ERG woman chase-AM=3.PST=DECL
'After she_i sang, the dog chased the woman_i.'

- In (20), no adjunct clause DP is coreferential with any matrix DP, and adjunct C is spelled out as the default different subject marker =kun

(20) [joni_i vua=**kun**]=mun xano_j chirin=xo=nu
man sing=DS.AFTER=C_{MATRIX} woman dance=3.PST=DECL
'After the man_i sang, the woman_j danced.'

'After' paradigm

- Altogether there are five agreeing 'after' enclitics

		Matrix		
		S	A	O
Adjunct	S	<i>=hax</i>	<i>=xon</i>	<i>=xo</i>
	A			
	O	<i>=ha</i>	<i>=kun</i> (DF)	

Switch-reference as agreement

- From a typological perspective, this phenomenon has been termed 'switch-reference' (Jacobsen, 1967)
- Switch-reference is similar to complementizer agreement and can potentially be analyzed as involving an agreeing complementizer (Watanabe, 2000; Arregi and Hanink, 2018)
- The Amahuaca pattern looks like complementizer agreement that is sensitive to referential index and case
- The agreeing complementizer is sensitive to features of DPs in its own clause and the clause to which C^{\max} is adjoined

The Analysis: Maximal projections as probes

The proposal

- Cyclic Agree coupled with BPS (Rezac, 2003) predicts that an unsatisfied probe should be able to probe the c-command domain of its maximal projection
- I argue that the pattern of agreeing adjunct C in Amahuaca is derived via this type of cyclic expansion of the probe's domain
- This account of Amahuaca does not require the introduction of any new technology – it relies only on independently supported assumptions

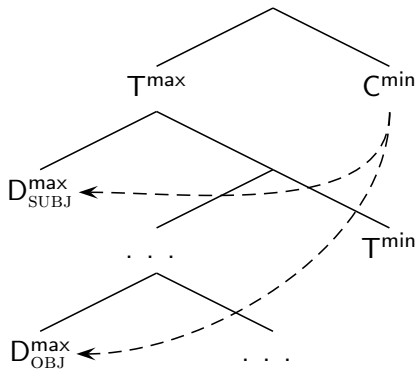
The ingredients

1. Bare Phrase Structure (Chomsky, 1995)
 - There is no formal distinction between intermediate and maximal projections
2. Cyclic expansion (Rezac, 2003, 2004; Béjar and Rezac, 2009)
 - When a label reprojects, an unsatisfied probe associated with it may reproject
 - Probe reprojection serves to expand the c-command domain of the probe and thus the agreement possibilities
3. Probe insatiability (Deal, 2015)
 - A probe's interaction conditions can differ from its satisfaction conditions
 - If a probe lacks satisfaction conditions, it will continue probing all possible goals in its c-command domain until reaching a phase boundary

First cycle Agree

- Adjunct C in Amahuaca is an insatiable probe
- First, C^{\min} probes its c-command domain, which contains the subject and object of the adjunct clause
 - Note that evidence from remnant VP-fronting suggests that objects undergo shift to Spec,vP (Clem, 2019)

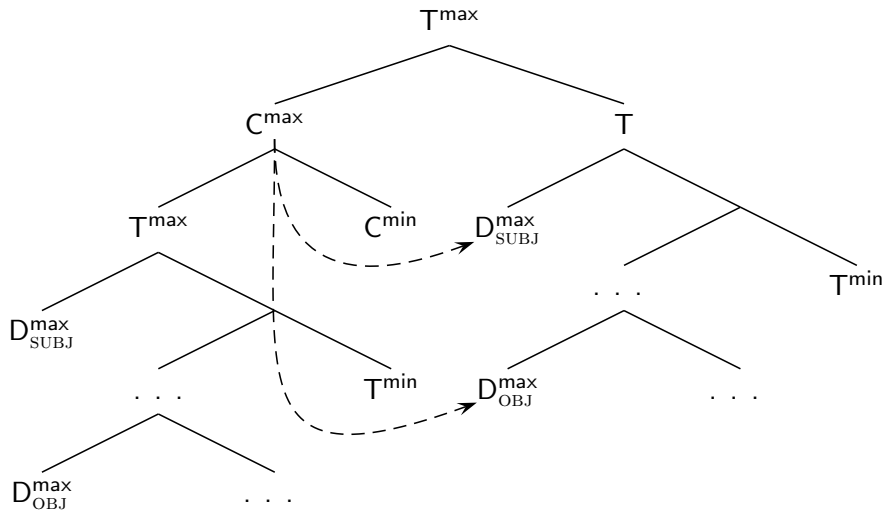
Agreement inside the adjunct clause



Second cycle Agree

- Given that C's probe is insatiable, it remains unsatisfied after probing the c-command domain of C^{\min}
- When C reprojects to form a maximal projection, the probe is reprojected as well and can probe again
- The c-command domain of this new segment of C, C^{\max} , contains the matrix subject and object, keeping with the evidence from Condition C

Agreement into the matrix clause



Features on C

- The probe on C agrees in:
 - Referential indices (modeled as ϕ -features; Rezac 2004)
 - Abstract case features
- If two DPs that C agrees with share a referential index, one of the coreference markers will be inserted
 - The form of the marker will be determined by the case of the coreferential DPs
- If no DPs share a referential index, the default different subject marker will be inserted

Vocabulary Insertion

- I assume late insertion and standard competition mechanisms of Distributed Morphology (Halle and Marantz, 1993)
- This means that the vocabulary item that matches the largest subset of the features on C will be inserted

Sample 'after' vocabulary items

[[AFTER,[<i>i</i> ,NOM*]] [<i>i</i> ,NOM]]	↔	/hax/
[[AFTER,[<i>i</i> ,NOM*]] [<i>i</i> ,ERG]]	↔	/xon/
[AFTER]	↔	/kun/

Advantages of the current account

- This account builds on the insight of Watanabe (2000) that switch-reference (SR) shares many similarities with complementizer agreement (CA)
- One advantage of the current account is its simplicity – there are independent arguments for all of the necessary technology
 - Cyclicity in Agree (Rezac, 2003; Béjar and Rezac, 2009)
 - Probe insatiability (Deal, 2015)
 - Treating indices as ϕ -features (Rezac, 2004)
- Additionally, previous accounts of SR and/or CA face empirical challenges given the Amahuaca data

Comparison with alternative analyses

Non-reference-tracking accounts of SR

- Some recent analyses of SR assume that reference tracking is not involved
 - Georgi (2012) argues that same subject marking is a special case of control
 - Keine (2012, 2013) argues that SR reflects coordination height, with same subject clauses being VP coordination
- Both of these accounts predict that a clause bearing a same subject marker should be unable to host an overt subject DP (Clem, 2018)

Subjects in SR clauses

- In Amahuaca, 'after' clauses can host all arguments of the verb overtly, including case-marked subjects

(21) [moha xano=x_i nokoo=(xon)]=mun
already woman=NOM arrive=SA.AFTER=C_{MATRIX}
jato=n_i hatza xoka=kan=xo=nu
3PL=ERG manioc peel=3PL=3.PST=DECL

'After the women_i had already arrived, they_i peeled manioc.'

Accounts of SR parasitic on agreeing T

- Some direct reference-tracking accounts of SR assume that SR is parasitic on agreement on T (Finer, 1984, 1985; Watanabe, 2000; Camacho, 2010)
 - These accounts posit subject agreement on T which is interpreted as SR through some mechanism at the CP level
 - These accounts (sometimes explicitly) rule out object tracking since the probe on T is assumed to only agree with the subject

Object tracking in SR

- These accounts cannot straightforwardly capture the Amahuaca pattern in which C can show agreement with both the matrix and adjunct object

(22) [jaa=x_i vua=xo]=mun
3SG=NOM sing=SO.AFTER=C_{MATRIX}
hinan xano_i; chivan-vo=xo=nu
dog.ERG woman chase-AM=3.PST=DECL
'After she_i sang, the dog chased the woman_i.'

(23) [joni=n hino_i; hiin=ha]=mun
man=ERG dog see=OS.AFTER=C_{MATRIX}
pro_i koshi ka=hi=ki=nu
 quickly go=IPFV=3.PRES=DECL
'After the man saw the dog_i, it_i is going quickly.'

Agreeing T

- If we were to allow the probe on T to be insatiable, this could accommodate object tracking
- However, this is hard to reconcile with the attested agreement on Amahuaca T
 - Amahuaca tense markers indicate the person of the subject
 - The person of the object is never indicated on T

(24) hiya=x=mun hun rakuu=**ku**=nu
1SG=NOM=C_{MATRIX} 1SG be.afraid=1.PST=DECL
'I was afraid.'

(25) vaku=x=mun rakuu=**xo**=nu
child=NOM=C_{MATRIX} be.afraid=3.PST=DECL
'The child was afraid.'

Separate probes on T and C

- Since Amahuaca T never inflects for object person, the more straightforward assumption is that T and C probe separately (Haegeman and van Koppen, 2012)
 - T's probe is satisfied by any ϕ -features (it always agrees with the highest DP)
 - C's probe has no satisfaction conditions (i.e. it is insatiable; it agrees with all DPs in its c-command domain)

Bound anaphor accounts of CA

- Patterns of upward-oriented CA have been argued to involve local agreement between C and a bound anaphor in its specifier (Diercks, 2013)
- We could imagine that SR as a type of downward-and-upward-oriented CA may involve agreement with a DP argument in the adjunct clause and a bound anaphor in the specifier of the adjunct CP (Baker and Camargo Souza, 2019)
- However, this type of account is inconsistent with the Amahuaca data

Condition C

- There is no distributional evidence that suggests adjunct CPs begin low enough in the structure to allow anaphor binding
- Even if adjunct CPs began low and obligatorily moved higher, they do not reconstruct for Condition C

(26) [Floria= n_j Maria; j hiin= \overline{xo}]=mun
Floria=ERG Maria see=SO.AFTER= C_{MATRIX}
Maria= n_j Floria; i chivan-vo= $xo=nu$
Maria=ERG Floria chase-AM=3.PST=DECL
'After Floria; i saw Maria; j , Maria; j chased Floria; i .'

- If there is no reconstruction for Condition C, it is unclear how there could simultaneously be reconstruction for anaphor binding

Summarizing alternative analyses

- Several features of the Amahuaca system cannot straightforwardly be accounted for by previous analyses
 - The distribution of subject DPs
 - The availability of object tracking
 - The lack of Condition C effects
- The current analysis is able to account for all of these properties without introducing new technology

Predictions and typology

Accounting for subject-only tracking

- SR can be accounted for with existing Agree technology
- One question we might ask is why the majority of languages with SR only allow tracking of subjects
- The current account suggests several possibilities for how such systems could arise
 1. No object shift
 2. Case discriminating probe
 3. Syncretism

No object shift

- In Amahuaca, object shift allows the object to escape the vP phase and be accessible to C's probe
- If a language lacks object shift, C will be unable to agree with object DPs, resulting in a subject-only tracking pattern

Case discriminating probe

- It is possible that in a language with accusative alignment the probe on C is case-discriminating (Preminger, 2011), agreeing only with nominative DPs (Arregi and Hanink, 2018)
- This would allow for subject-only tracking even in a language with object shift

Syncretism

- A language could have a probe on C that agrees with objects but lack dedicated morphology to spell out an object coreference relationship
- Evidence that morphological syncretism may be a relevant factor comes from comparing the paradigms of different temporal adjunct Cs in Amahuaca
- Even within a single language, different paradigms have differing degrees of syncretism with respect to the morphology available to indicate object coreference

SR paradigms

'After' series

		Matrix		
		S	A	O
Adjunct	S	= <i>hax</i>	= <i>xon</i>	= <i>xo</i>
	A			
	O	= <i>ha</i>	= <i>kun</i> (DF)	

'While' series

		Matrix		
		S	A	O
Adjunct	S	= <i>hi</i>	= <i>kin</i>	= <i>haito</i>
	A			
	O	= <i>hain</i> (DF)		

'Before' series

		Matrix		
		S	A	O
Adjunct	S	= <i>katzi/</i>	= <i>xankin</i>	
	A	= <i>xanni</i>		
	O	= <i>non</i> (DF)		

Accounting for the typology

- This theory of SR is powerful enough to account for the tracking of objects
 - While object tracking is less common than subject tracking, languages such as those of the Panoan family (like Amahuaca) do allow for object tracking
- At the same time, it suggests several possibilities for how languages could have subject-only tracking
- The fact that there are multiple pathways to a subject-only tracking system suggests that these types of systems should be more commonly attested, as they are

Maximal projections as probes

- Cyclic expansion allows maximal projections to serve as probes
- A question we might ask is why we don't see more instances of maximal projections serving as probes
 - With many common probes (v , T , complement C), the c-command domain of the maximal projection only contains the head that selects it
 - With adjunct C , this pattern may actually be quite well attested given that SR systems are relatively common
 - Other agreeing adjuncts, such as Lubukusu agreeing 'how' (Carstens and Diercks, 2013), may also involve a maximal projection that probes through cyclic expansion

Consequences for a theory of Agree

- Despite the appearance of a long-distance dependency, SR can be analyzed as involving only local Agree relationships
- This allows us to preserve a view where Agree is
 1. Always under c-command
 2. Always local

- Arregi, Karlos, and Emily Hanink. 2018. Switch reference in Washo as multiple subject agreement. In *NELS 48: Proceedings of the Forty-Eighth Annual Meeting of the North East Linguistic Society*, ed. Sherry Hucklebridge and Max Nelson, volume 1, 39–48. Amherst, MA: Graduate Linguistics Student Association.
- Baker, Mark C., and Livia Camargo Souza. 2019. Agree without agreement: Switch-reference and reflexive voice in two Panoan languages. To appear, *Natural Language & Linguistic Theory*.
- Béjar, Susana, and Milan Rezac. 2009. Cyclic Agree. *Linguistic Inquiry* 40:35–73.
- Camacho, José. 2010. On case concord: The syntax of switch-reference clauses. *Natural Language & Linguistic Theory* 28:239–274.
- Carstens, Vicki, and Michael Diercks. 2013. Agreeing how? Implications for theories of agreement and locality. *Linguistic Inquiry* 44:179–237.
- Chomsky, Noam. 1995. *The minimalist program*. Cambridge, MA: MIT Press.

- Clem, Emily. 2018. Against non-reference-tracking theories of switch-reference. *Proceedings of the Linguistic Society of America* 3:29:1–9.
- Clem, Emily. 2019. Amahuaca ergative as agreement with multiple heads. *Natural Language & Linguistic Theory* 37:785–823.
- Deal, Amy Rose. 2015. Interaction and satisfaction in ϕ -agreement. Handout of talk presented at Interaction of Grammatical Building Blocks colloquium, Universität Leipzig.
- Diercks, Michael. 2013. Indirect agree in Lubukusu complementizer agreement. *Natural Language & Linguistic Theory* 31:357–407.
- Finer, Daniel L. 1984. The formal grammar of switch-reference. Doctoral Dissertation, University of Massachusetts Amherst.
- Finer, Daniel L. 1985. The syntax of switch-reference. *Linguistic Inquiry* 16:35–55.
- Georgi, Doreen. 2012. Switch-reference by movement. In *Perspectives on switch-reference: Local modeling and empirical distribution*, ed. Philipp Weisser, 1–40. Leipzig: Institute für Linguistik, Universität Leipzig.

- Haegeman, Liliane, and Marjo van Koppen. 2012. Complementizer agreement and the relation between C⁰ and T⁰. *Linguistic Inquiry* 43:441–454.
- Halle, Morris, and Alec Marantz. 1993. Distributed Morphology and the pieces of inflection. In *The view from building 20: Essays on linguistics in honor of Sylvain Bromberger*, ed. Kenneth Hale and Samue Jay Keyser, 111–176. Cambridge, MA: MIT Press.
- Ivan, Rodica. 2018. Romanian loves me: Clitic clusters, ethics & Cyclic Agree. Poster presented at the 49th Annual Meeting of the North East Linguistic Society.
- Jacobsen, William H. 1967. Switch-reference in Hokan-Coahuiltecan. In *Studies in South-Western ethnolinguistics*, ed. Dell H. Hymes and William E. Bittle, 238–263. The Hague: Mouton.
- Keine, Stefan. 2012. Switch-reference as coordination. In *Perspectives on switch-reference: Local modeling and empirical distribution*, ed. Philipp Weisser, 107–164. Leipzig: Institute für Linguistik, Universität Leipzig.

- Keine, Stefan. 2013. Deconstructing switch-reference. *Natural Language & Linguistic Theory* 31:767–826.
- McKenzie, Andrew. 2012. The role of contextual restriction in reference-tracking. Doctoral Dissertation, University of Massachusetts Amherst.
- Preminger, Omer. 2011. Agreement as a fallible operation. Doctoral Dissertation, Massachusetts Institute of Technology.
- Rezac, Milan. 2003. The fine structure of cyclic Agree. *Syntax* 6:156–182.
- Rezac, Milan. 2004. Elements of cyclic syntax: Agree and Merge. Doctoral Dissertation, University of Toronto.
- Sparing-Chávez, Margarethe. 1998. Interclausal reference in Amahuaca. In *Handbook of Amazonian languages*, ed. Desmond C. Derbyshire and Geoffrey K. Pullum, volume 4, 443–485. Berlin: Mouton de Gruyter.
- Sparing-Chávez, Margarethe. 2012. *Aspects of Amahuaca grammar: An endangered language of the Amazon basin*. Dallas: SIL International.

- Walkow, Martin. 2013. A unified analysis of the Person Case Constraint and 3-3-effects in Barceloní Catalan. In *NELS 40: Proceedings of the Fortieth Annual Meeting of the North East Linguistic Society*, ed. Seda Kan, Claire Moore-Cantwell, and Robert Staubs, volume 2, 239–252. Amherst, MA: Graduate Linguistics Student Association.
- Watanabe, Akira. 2000. Feature copying and binding: Evidence from complementizer agreement and switch reference. *Syntax* 3:159–181.