How (not) to elide negation

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Main topic: the interaction between ellipsis and negation

Main claims:

- negative indefinites do not undergo QR or Agree/feature checking, but are the result of fusion with a Polº-head
- fusion between Polº and Dº comes about under multidominance
- ellipsis can block this kind of fusion

Outline:

- 1 Any/no interchangeability under ellipsis: two empirical generalizations
- 2 Background for the analysis
 - 2.1 Possible analyses for negative indefinites and their interaction with VP-ellipsis
 - 2.2 A multidominance analysis of WH-movement and Quantifier Raising (Johnson 2010a)
- 3 The analysis: ellipsis blocks fusion
 - 3.1 The core of the analysis: negative indefinites involve multidominance (Johnson 2010b)
 - 3.2 Returning to generalization #2: VP-ellipsis and the scope of *no*
 - 3.3 Returning to generalization #1: clausal vs. verbal ellipsis
- 4 Broader implications: Elided subject NPIs constitute no new argument for EPP-violation-repair
- 5 Summary and conclusions

1 Any/no interchangeability under ellipsis: empirical generalizations

1.1 Background: polarity switches under ellipsis

observation: polarity items and indefinites are interchangeable under ellipsis (cf. Sag 1976; Hardt 1993; Johnson 2001; Merchant 2010)

from any to some

(1) John didn't see **any**one, but Mary did see <<u>*anyone/some</u>one>. (Sag 1976:157f.)

from *some* to *any*

(2) John saw **some**one, but Mary didn't <see *someone/anyone>. (Sag 1976:157f.)

from **no** to **a**

(3) I could find no solution, but Holly might $<\frac{\text{find } *no/a \text{ solution}}{}$. (Johnson 2001:107)

this talk: a closer look at polarity switches involving negative indefinites

1.2 From any to no: clausal vs. verbal ellipsis

1.2.1 Clausal ellipsis: any can antecede the ellipsis of no

question: how can we tell if a clausal ellipsis site contains any or no?

- (4) Q: Who didn't eat any cookies?A: a. Mary < didn't eat any cookies >.
 - b. Mary $< \frac{1}{\text{ate no cookies}} >$.

answer: by looking at subject NPIs

- (5) [context: the TV show American Idol]
 - Q: Which song didn't anyone like?
 - A: a. Katie's song.
 - b. Katie's song. Guess why!

note: the non-elliptical variants of (5) are ill-formed due to violations of NPI-licensing

- (6) a. * Katie's song anyone didn't like.
 - b. * Guess why anyone didn't like Katie's song!

conclusion: the example in (5) shows that any can antecede the ellipsis of no in clausal ellipsis

- (7) a. $[_{CP} \text{ Katie's song}_i [_{C} C^{\circ} < [_{TP} \text{ no one}_{*} [_{T} \overline{T^{\circ}} [_{VP} \text{ }_{4*} \text{ liked }_{4*}]] >]]$ b. Guess $[_{CP} \text{ why} [_{C} C^{\circ} < [_{TP} \text{ no one}_{*} [_{T} \overline{T^{\circ}} [_{VP} \text{ }_{4*} \text{ liked Katie's song}]] >]]$
- however: Merchant (2001) has argued that the EPP can be suspended under ellipsis (see also Den Dikken et al. 2000, Van Craenenbroeck & Den Dikken 2006, Van Craenenbroeck 2010)
 → this means that the example in (5) can also be represented as in (8)
- (8) a. [_{CP} Katie's song_i [_C C^o <[_{TP} _ [_T didn't [_{vP} anyone like 4,]]]>]]
 b. Guess [_{CP} why [_C C^o <[_{TP} _ [_T didn't [_{vP} anyone like Katie's song]]]>]]
- **conclusion:** we need an ellipsis site where an NPI-subject is illicit *both in its base-generated and in its derived position*

test: the Immediate Scope Constraint (cf. Linebarger 1987; Guerzoni 2006; Lechner 2007)

(9) Immediate Scope Constraint (ISC)

An NPI is acceptable in a sentence S if in the LF of S [...] the NPI is in the Immediate Scope (IS) of [NOT]. [i.e.] [...] only if (1) it occurs in [...] the [...] scope of NOT, and (2) [...] there are no 'logical' elements intervening between it and NOT." (Linebarger 1987:338, cited in Guerzoni 2006:360)

(10)	a.	He didn't like anything.	$\neg > NPI$
	b.	He didn't always like anything.	$* \neg > \forall > NPI$

- → the ISC can ensure that a subject NPI is illicit in an ellipsis site
- (11) [context: There's a contest to choose which song will represent England in the Eurovision Song Contest. There are several qualifying rounds, a semi final, and a final, and several judges choose their favorite song. When there's a tie in the final, the consistency of the votes given to the songs is taken into account. In particular, if a judge has consistently voted for a certain song in every round, this is considered a bonus. Now, we're in the final and there is a tie. We first want to eliminate the weakest song, i.e. we want to know if there is a song that no one consistently voted for. So we ask...]

Q: Which song didn't any judge always vote for?

A: Katie's song.

note: in determining what the ellipsis site looks like in (11A), there are (at least) four options:

option #1: any judge in specTP

- (12) [CP Katie's song; [C C' < [TP any judge_k [T' didn't [VP always [VP 4k vote for 4,]]]]>]]
- \rightarrow this ellipsis site is ruled out due to lack of NPI-licensing

option #2: any judge in specvP

- (13) [CP Katie's song_i [C C^o <[TP __ [T didn't [vP always [vP any judge vote for 4,]]]]>]]
- \rightarrow this ellipsis site is ruled out due to the ISC (* $\neg > \forall > NPI$)

option #3: no judge in specTP

- (14) $[CP \text{ Katie's song}_i [C C^\circ < [TP \text{ no judge}_{k} [T^\circ T^\circ [VP \text{ always} [VP \text{ } \text{t_{k}-voted for t_{k}}]]]] >]]$
- → this ellipsis site doesn't violate any principles and leads to a converging derivation

option #4: no judge in specvP

- (15) $[_{CP} \text{ Katie's song}_i [_{C'} C^{\circ} < [_{TP} _ [_{T'} \frac{T^{\circ}}{I^{\circ}} [_{vP} \text{ always} [_{vP} \text{ no judge voted for } t_i]]]] >]]$
- → this ellipsis site doesn't violate any principles and leads to a converging derivation (cf. Merchant 2001 on covert phrasal A-movement leading to the correct scope inside sluicing sites)

Aside

Two other options include (i) short QR of the NPI subject *any judge* to a position in between T° and *always*, and (ii) ellipsis 'repairing' the ISC or the NPI-licensing violation. The former would falsely predict (10) to be grammatical (with *anything* undergoing QR to a position in between *didn't* and *always*). The latter is unlikely in light of the fact that both the ISC and the condition on NPI licensing have a prominent LF-component (for NPIs cf. Giannakidou 1998, Moscati 2006); it is well known that ellipsis cannot repair LF-violations (cf. e.g. Sauerland 1996).

conclusion: the ISC-example in (11) shows that in clausal ellipsis *any* can antecede the ellipsis of *no*

1.2.2 Verbal ellipsis: any cannot antecede the ellipsis of no

observation: in simple Q/A-pairs with VP-ellipsis in the A, *any* cannot antecede the ellipsis of *no*:

- (16) [context: the film festival of Cannes]
 - Q: Who didn't like any movie?
 - A: a. Quentin Tarantino didn't like any movie.
 - b. Quentin Tarantino liked no movie.
 - c. Quentin Tarantino didn't like any movie>.
 - d. * Quentin Tarantino did <like **no** movie>.
- **note:** the ill-formedness of (16Ad) is not due to the presence of a stressed auxiliary, as the effect persists in infinitival VPE with a focused subject:

- (17) I know PETER didn't offer any help ...
 - a. ... and I also don't expect JOHN to offer **any** help.
 - b. ... and I also expect JOHN to offer no help.
 - c. ... and I also don't expect JOHN to <offer any help>.
 - d. * ... and I also expect JOHN to <offer no help>.
- **conclusion:** the data in (16)-(17) show that in verbal ellipsis *any* can<u>not</u> antecede the ellipsis of *no*

Generalization #1

while in clausal ellipsis *any* can antecede the ellipsis of *no*, in verbal ellipsis this polarity switch is disallowed

1.3 From no to no under verbal ellipsis

- **note:** the data in section 1.2.2 only represent one of the four types of *any/no*-interaction under VP-ellipsis; let's try to paint a more complete picture:
- from *any* to *no*: disallowed (see above, section 1.2.2)

from any to any: allowed (attested data)

- (18) a. I didn't loose **any** weight. My mom didn't <loose **any** weight> either.
 - b. Honestly, I didn't see **any** difference. He said he didn't <see **any** difference> either.
 - c. I didn't feel **any** closure. Obviously they didn't <feel **any** closure> either.
 - d. I couldn't find **any** supplies for rabbits. Employees couldn't <find any supplies> either.
 - e. "The traditional family won't see **any** change," says Burlison. "A single-parent family won't <<u>see **any** change</u>> cither."

from **no** to **any**: **allowed** (attested data)

- (19) a. The press pulled **no** punches. Leaf didn't <pull **any** punches> either.
 - b. I have **no** idea who he was. She probably didn't <<u>have **any** idea who he was</u>> either.
 - c. One reviewer said it had **no** volume. Mine didn't <have **any** volume> either.
 - Sticking to your line of thinking, if Bush has no moral authority, then Clinton surely didn't <have any moral authority> either.

from no to no: mixed results

- (20) Q: Who liked **no** movie?
 A: ? Quentin Tarrantino did <like **no** movie>.
- (21) I know PETER offered no help, and I also expect JOHN to <offer no help>.
- however: if no outscopes an element outside of the ellipsis site, no/no-interchangeability fails

example #1: Neg>Mod-modals (cf. Cormack & Smith 2002; Iatridou & Sichel 2010)

can typically scopes below negation:

(22)	a.	John cannot go to this party.	$(\neg > \diamondsuit, \% \diamondsuit > \neg)$
	b.	John can do no homework tonight.	$(\neg > \diamondsuit, \% \diamondsuit > \neg)$

in VPE licensed by *can*, *no* cannot outscope the modal:

(23) Q: Who can offer **no** help? A: % Quentin Tarrantino can < offer no help >. (* $\neg > \diamondsuit, \% \diamondsuit > \neg$)

example #2: high PP-scope

the example in (24) famously has two readings (cf. Jackendoff 1972):

- (24) Mary looks good with no clothes.
 - = Mary doesn't look good with any clothes. (the unfortunate dresser reading)
 - = Mary looks good naked. (the nudity reading)

Haegeman (1995), Svenonius (2002): these two readings correlate with two different scope positions for *no*: high in the case of the unfortunate dresser, low in the case of nudity

under VP-ellipsis only the naked reading survives:

(25) You say MARY looks good in **no** clothes, but I say JULIE does <<u>look good in **no**</u> clothes>. (*unfortunate dresser, oknudity)

conclusion: no cannot take scope outside of a VPE-site

Generalization #2

a negative indefinite in object position cannot scope out of a VP-ellipsis site

2 Background for the analysis

2.1 Possible analyses for negative indefinites and their interaction with VP-ellipsis

note: both generalizations crucially concern negative indefinites

let's start from generalization #2, i.e. a negative indefinite in object position cannot scope out of a VP-ellipsis site

- → there are various possible ways of allowing a negative indefinite (NI) in object position to take clausal scope:
- (i) **Quantifier Raising:** a NI QRs to the scope position of sentential negation (cf. Zeijlstra 2007; Iatridou & Zeijlstra 2010)
- (ii) Agree/feature checking: the sentential Polarity-head undergoes Agree/feature checking with the NI in object position (cf. Zeijlstra 2004; Penka & Zeijlstra 2005; Penka 2007; Tubau 2008; De Clercq 2010; Haegeman & Lohndahl 2010)
- (iii) **Fusion/amalgamation/incorporation:** a NI in object position is the result of a (fairly superficial) process of fusion/amalgamation/incorporation between a clausal polarity head and the determiner of the object DP (cf. Rullman 1995)

question: which of these processes can be blocked by VP-ellipsis?

 VPE does not block QR, provided Parallelism and Scope Economy are respected (cf. Fox 2000)

Note

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a. (A consequence of) Parallelism (Fox 2000:32)
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In an ellipsis construction, the scopal relationship among the elements in the antecedent must be identical to the scopal relationship among the parallel elements in the ellipsis site.

 b. The Ellipsis Scope Generalization (Fox 2000:83) In an ellipsis construction, inverse scope is possible only if it is semantically distinct from surface scope both in the sentence that includes the ellipsis site and in the sentence that includes the antecedent.

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(26) Some girl watched every movie, and some boy did <<del>watch every movie</del>> too.
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(Ha 2007:160)

- a. $\exists > \forall \& \exists > \forall$ (both conjuncts take surface scope)
- b. $\forall > \exists \& \forall > \exists$ (both conjuncts take inverse scope)
- c. * $\exists > \forall \& \forall > \exists$ (*Parallelism)
- d. * $\forall > \exists \& \exists > \forall$ (*Parallelism)
- (27) Mary watched every movie, and some boy did <watch every movie> too.

 $(\mathsf{E} < \mathsf{V} *, \mathsf{V} < \mathsf{E})$

- **note:** in the illicit example in (28), both Parallelism and Scope Economy would be respected and hence QR should be allowed:
- (28) Q: Who can offer no help? $(\neg > \Diamond)$
 - A: * Quentin Tarrantino can < offer no help >. ($\neg > \diamondsuit$)
- (ii) VPE does not block Agree/feature checking, e.g. T^o can agree with the elided associate of a *there*-expletive
- (29) a. Jim said there wouldn't be many people at the party, but there were <many people at the party>.
 - b. Jim said there wouldn't be a linguist at the party, but there **was** <a linguist at the party>.
- conclusion: an analysis of object NIs based on QR or Agree/feature checking cannot account for the blocking effect of VP-ellipsis
 → we pursue an analysis in terms of fusion instead

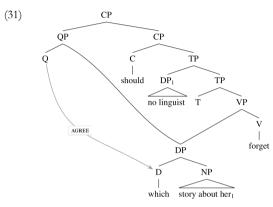
Two questions:

- how can an NI in object position be the result of fusion given that Pol^o and the object are arguably not adjacent?
- how exactly does VP-ellipsis block fusion?

2.2 A multidominance analysis of *wb*-movement and Quantifier Raising (Johnson 2010a)

wb-movement

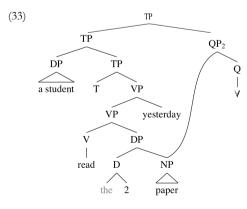
(30) Which story about her₁ should no linguist₁ forget?



- **key ingredients:** the question morpheme Q combines semantically with CP, but morphologically with D(P) (cf. also Cable 2007, 2010)
 - there is an Agree-relation between Q and D as a result of which D is spelled out in an agreeing form, i.e. as *which*
 - the multiply dominated WH-phrase can in principle be spelled out in the high (moved) or the low (in situ) position

Quantifier Raising

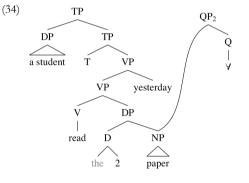
(32) A student read every paper yesterday.



- **key ingredients:** the universal quantifier Q combines semantically with NP and TP, but morphologically with D(P)
 - there is no c-command between Q and D, and hence no Agree-relation; instead, Q and D undergo fusion, i.e. a morphological process that allows two adjacent terminals to be combined into one vocabulary item

problem: Q and D do not appear to be adjacent

Johnson (2010a): the morphological requirements of Q and D force (cyclic) linearization to take place prior to the merger of TP and QP:



(35) a. The linearization of TP is: a < student student < T read < D a < T student < read read read read read read < pa

student < D

student < paper
student < yesterday</pre>

- read < D D < paper paper < yesterday read < paper D < yesterday read < yesterday
- b. The linearization of QP is: ∀ < paper

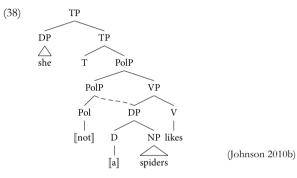
a < read

a < paper a < yesterday

a < D

- note: at this point in the derivation nothing intervenes between Q and D,
 - i.e. $\neg \exists x. Q \le x \& x \le D$ (and vice versa)
 - → Johnson defines adjacency based on such linearizations
- (36) Adjacency (Johnson 2010a:25n22) Two lexical items α and β are adjacent iff the linearization algorithm puts nothing in between them.

- 3 The analysis: ellipsis blocks fusion
- The core of the analysis: negative indefinites involve multidominance 3.1 (Johnson 2010b)
- She likes no spiders. (= She doesn't like (any) spiders) (37)



- key ingredients: the polarity head Pol^o combines semantically with VP, but morphologically with D(P)
 - there is an Agree-relation between between Polo and Do as a result of which D° is spelled out in an agreeing form, i.e. as no
- our proposal: Polº does not undergo Agree with D°; instead, they undergo fusion

supporting evidence:

- (i) In many languages, NIs transparently consist of two morphemes (negation and indefinite) (cf. Sauerland 2000)
- (39)Jan heeft niets gekocht. a. John has nothing bought 'John bought nothing.'
 - b. Datis niet iets wat Jan heeft gekocht. that is not something what John has bought 'That is not something John has bought.' (Dutch)

- (ii) An Agree-analysis would predict Pol^o and D^o to be able to be spelled out simultaneously (cf. Cable 2007, 2010 on Tlingit, where Q° and the WH-form of D° co-occur), quod non (cf. (40)) > < an analysis in terms of fusion (correctly) predicts the two to be in complementary distribution
- (40)* John did not buy nothing. (* under the single negation reading)

conclusion: negative indefinites in object position are the result of fusion Pol^o and D^o

3.2 Returning to generalization #2: VP-ellipsis and the scope of no

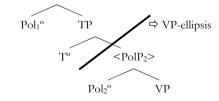
three central assumptions:

- 1. 2 PolPs (NegPs), one dominating and one dominated by TP cf. Robbers 1992; Zanuttini 1997; Van Kemenade 2000; Barbiers 2002; Cormack & Smith 2002; Haegeman 2002; Butler 2003; Holmberg 2003; Van Craenenbroeck 2010
- (41)PolP₁ Pol₁° TP Τ° PolP₂ VP
- 2. VP-ellipsis = ellipsis of the complement of T^o

Polo

cf. Zagona 1982,1988; Lobeck 1995; Johnson 2001

(42) $PolP_1$



3. ellipsis of α involves the non-pronunciation of any terminal element dominated by α and the deletion from the Ordering Table of all statements referring to terminal elements dominated by α (Fox & Pesetsky 2003, 2004)

recall:

(43) **Generalization #2:**

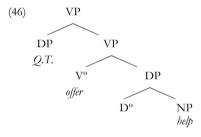
a negative indefinite in object position cannot scope out of a VP-ellipsis site

 $(*\neg > \diamondsuit)$

- (44) Q: Who can offer no help?A: * Quentin Tarrantino can <offer no help>.
- (45) Q: Who liked no movie?A: ? Quentin Tarrantino did <like no movie>.

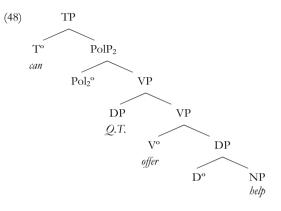
derivation of (44):

step 1: merger of VP

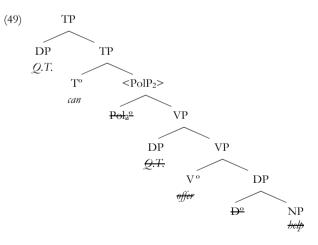


step 2: spell-out of VP

step 3: merger of Pol₂° and T°

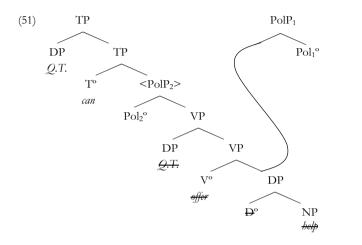


step 4: T° attracts the subject and triggers deletion of its complement



(50) The linearization of $PolP_2$ is: $Pol_2 \leftarrow Q.T - Q.T. \leftarrow offer - offer \leftarrow D - help$ $Pol_2 \leftarrow offer - Q.T. \leftarrow D - offer \leftarrow help$ $Pol_2 \leftarrow D - Q.T. \leftarrow help$ $Pol_2 \leftarrow help$

step 5: Pol₁° merges with DP

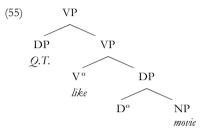


- **note:** this is the point in the derivation where Pol₁° and D° would normally fuse (right before the merger of PolP₁ and TP)
- however: at this point, D° has already been elided, which means there is nothing to fuse with
 → fusion is blocked and Pol₁° can only be spelled out as an independent lexical item (i.e. as *not* or *n't*)
- **conclusion:** the derivation in (46)-(51) is spelled out as (52); the example in (53) can—in the intended reading—not be derived by our system
- (52) Quentin Tarrantino can't $< offer (any) help >. (¬ > \diamondsuit)$
- (53) * Quentin Tarrantino can < offer no help >. (*¬ > \diamond)

derivation of (54):

(54) Q: Who liked no movie?
 A: ? Quentin Tarrantino did like no movie>.

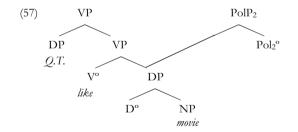
step 1: merger of VP



step 2: spell-out of VP

(56) The linearization of VP is: Q.T. < like like < D D < movie Q.T. < D like < movie Q.T. < movie

step 3: Pol₂^o merges with DP



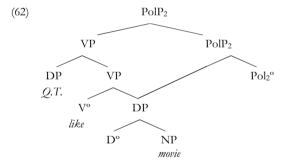
step 4: the fusion requirement of Pol2° and D° triggers linearization at this point

- (59) The linearization of $PolP_2$ is: $Pol_2^o < D$ D < movie $Pol_2^o < movie$

step 5: Pol₂° and D° are adjacent and undergo fusion into no

- (60) The linearization of VP is: Q.T. < like like < no no < movie Q.T. < no like < movie Q.T. < movie
- (61) The linearization of $PolP_2$ is: no < movie

step 6: VP and PolP₂ are merged



(63)TP DP TP *Q.T.* Τ° <PolP₂> VP PolP_2 DP Pol2º VP Q.T. $\mathbf{V}^{\mathbf{o}}$ DP like ₽° NP movie

- (64) The linearization of PolP₂ is: Q:T. < like like < no no < movie Q:T. < no like < movie Q:T. < movie
- step 8: the rest of the structure is merged (Pol^{1°}, C°, etc.) and the derivation is spelled out as (65)
- (65) ? Quentin Tarrantino did ke no movie>.
- **conclusion:** if fusion takes place prior to ellipsis (i.e. if D° merges with Pol₂° rather than Pol₁°), the derivation converges and the VP-ellipsis site can contain an object-NI

step 7: To attracts the subject and triggers deletion of its complement

3.3 Returning to generalization #1: clausal vs. verbal ellipsis

recall:

(66) Generalization #1:

while in clausal ellipsis *any* can antecede the ellipsis of *no*, in verbal ellipsis this polarity switch is disallowed

clausal ellipsis

- (67) Q: Which song didn't any judge always vote for?
 - A: Katie's song <no judge always voted for>.

verbal ellipsis

- (68) Q: Who didn't like **any** movie?
 - A: * Quentin Tarantino did like no movie>.

general idea:

- clausal ellipsis: the ellipsis site properly contains both PolP1 and PolP2
 - → fusion always precedes ellipsis
 - → negative indefinites are allowed regardless of whether the indefinite merges with Pol_1° or Pol_2°

verbal ellipsis: the ellipsis site only properly contains PolP₂, not PolP₁

- \rightarrow only fusion with Pol₂° precedes ellipsis
- → negative indefinites are allowed only if they merge with Pol₂° (i.e. if they scope below T°)

analysis of (68):

- the contracted negation (i.e. n'i) of the antecedent is the spell-out of Pol₁° (cf. Cormack & Smith 2002)
- (69) [CP Who [PolP1 didn't [TP To [PolP2 [VP like any movie]]]]]?
- 2. Scope Parallelism requires that the negation in the ellipsis site also be of the PolP₁-type
- **3.** Ellipsis of $PolP_2$ blocks fusion of Pol_1° and D° and the example in (68) cannot be derived

Aside

This line of reasoning suggests that if *any* were licensed by Pol_2° , *any* should be able to antecede the ellipsis of *no* even in VP-ellipsis contexts. A relevant example would be the one in (i).

- [context: There's an eating contest and both John and Mary want to end last in the contest. Peter and Julie are discussing this.]
 - Peter: So can John forfeit the game?
 - Julie: Well, he COULD not eat anything, I guess.
 - Peter: But then, Mary could <eat nothing> too.

The problem with these kinds of examples, though, is that there is no way of telling if the ellipsis site contains a (fused) negative indefinite or an NPI licensed by Pol₂°.

analysis of (67):

- **1.** the negative indefinite in subject position fuses with a Pol^o-head (presumably Pol₁^o given that negation outscopes *always*)
- ellipsis of the complement of C^o (i.e. PolP₁ or some higher projection) yields the fragment in (67)
- **conclusion:** an ellipsis site can contain negative indefinites only if it properly contains the polarity head responsible for creating the indefinite; for clausal ellipses this is always the case, for verbal ellipses this only holds for the lower polarity projection
- 4 Broader implications: Elided subject NPIs constitute no new argument for EPP-violation-repair
- claim: clausal ellipsis suspends the Extended Projection Principle (EPP), i.e. the requirement that subjects raise to specTP (cf. Den Dikken et al. 2000; Merchant 2001; Van Craenenbroeck & Den Dikken 2006; Van Craenenbroeck 2010)
- $\begin{array}{ll} (70) & A \mbox{ biography of one of the Marx brothers is going to appear this year.} \\ & Guess \ _{[CP} \mbox{ which (Marx brother)_i} < [_{IP} \ _ \ is \ _{VP} \mbox{ going to appear [a \mbox{ biography of 4}]} \\ & this \ year. \]] >] & (Merchant 2001:187) \end{array}$
- **question**: do subject NPIs in fragments and embedded sluicing constitute a new (fourth) argument for this claim?
- **answer**: no, given that *any* can antecede the ellipsis of *no* under clausal ellipsis, there is no way of telling if the underlying structure for (71) is (72) or (73)
- (71) [context: the TV show American Idol]
 - Q: Which song didn't anyone like?
 - A: a. Katie's song.
 - b. Katie's song. Guess why!
- (72) a. [CP Katie's song_i [C C° <[TP _ [T didn't [vP anyone like A]]]>]]
 b. Guess [CP why [C C° <[TP _ [T didn't [vP anyone like Katie's song]]]>]]
- (73) a. [CP Katie's song; [C C° < [TP no one_{*} [T T° [vP 4<u>*</u>-liked 4,]]>]] b. Guess [CP why [C C° < [TP no one_{*} [T T° [vP 4<u>*</u>-liked Katie's song]]>]]

5 Summary and conclusions

5.1 Summary

- While in clausal ellipsis *any* can antecede the ellipsis of *no*, in verbal ellipsis this polarity switch is disallowed.
- A negative indefinite in object position cannot scope out of a VP-ellipsis site.
- Negative indefinites do not undergo QR or Agree/feature checking, but are the result of fusion with a Pol°-head.
- Fusion between Pol^o and D^o comes about under multidominance.
- Ellipsis can block this kind of fusion.

5.2 Implications and prospects

- Subject NPIs do not provide conclusive evidence that clausal ellipsis suspends the EPP.
- The facts discussed here fit into a broader set of distinctions between 'high' and 'low' ellipses. Clausal ellipsis contains two members of a grammatical dependency, whereas verbal ellipsis only contains one, leading to differences in grammaticality (cf. Merchant 2007, 2010).
- Our theory predicts there is no overt Neg-shift. This seems corroborated by the fact that many proposed instances of Neg-shift are parasitic on independently attested movement operations, e.g. scrambling in continental West-Germanic (Haegeman 1995) and object shift in Scandinavian (Svenonius 2002).
- How does the fusion operation described here relate to existing (DM and non-DM) accounts of Fusion (cf. Halle & Marantz 1993; Embick & Noyer 2001; Kandybowicz 2006; Parrott 2006; Radkevich 2010)?
- How do negative indefinite formation and QR interact, given that both of these operations require D° to fuse with a higher functional head?

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