

Some Reconstruction Riddles

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**I. Condition C Complement/Adjunct Reconstruction Asymmetries
(The 'Lebeaux Effect')**

- (1) a. Which report that John_i revised did he_i submit?
b. Which report that John_i was incompetent did he_i submit?
Freidin (1986)
- (2) a. *He_i believes the claim that John_i is nice.
b. *He_i likes the story that John_i wrote.
c. *Whose claim that John_i is nice did he_i believe?
d. Which story that John_i wrote did he_i like?
Lebeaux (1988)
- (3) a. *Which claim that John_i was asleep did he_i later deny
b. Which claim that John_i made did he_i later deny
Munn (1994)
- (4) a. *Which claim [that John_i was asleep] was he_i willing to discuss
b. Which claim [that John_i made] was he_i willing to discuss
- (5) a. *The claim that John_i is [sic] asleep, he_i was willing to discuss
b. The claim that John_i made, he was willing to discuss
Chomsky (1993)
- (6) a. *The claim that John_i was asleep, he_i won't discuss
b. The claim that John_i made, he_i won't discuss
Chomsky and Lasnik (1993)
- (7) The claim that John_i was asleep seems to him_i [_{TP} t to be correct]
Chomsky (1993)
- (8) *I seem to him_i [t to like John_i]
- (9) a. The 'Extension Condition': structure must be built strictly cyclically.
b. Adjuncts are exempt from the Extension Condition; relative clauses are adjuncts.
c. "Reconstruction" is essentially a reflex of the formation of operator-variable constructions.
b. An operator chain (a sequence of copies) undergoes complementary deletion.
c. Condition C is an LF requirement. Chomsky (1993)
- (10) a. [Which claim [that John made]] was he willing to discuss
~~which claim~~ PF
b. [Which ~~claim~~ [that John made]] was he willing to discuss
~~which claim~~ LF
c. For which x that John made, he was willing to discuss x claim Interpretation (?)

OR?

- (11) a. [Which claim [that John made]] was he willing to discuss
~~which claim~~ PF
b. [Which claim [that John made]] was he willing to discuss
~~which claim~~ LF
c. For which x, x a claim that John made, he was willing to discuss x Interpretation (?)

- (12) a. Which claim [that John was asleep] was he willing to discuss
~~[which claim that John was asleep]~~ PF
b. [Which ~~claim~~ [that John was asleep]] was he willing to discuss
~~[which claim that John was asleep]~~ LF
c. For which x, he was willing to discuss x claim that John was asleep Interpretation (?)

BUT CRUCIALLY NOT

- (13) a. Which claim [that John was asleep] was he willing to discuss
~~[which claim that John was asleep]~~ PF
b. [Which ~~claim~~ [that John was asleep]] was he willing to discuss
~~[which claim that John was asleep]~~ LF
c. For which x that John was asleep, he was willing to discuss x claim Interpretation (?)

OR

- (14) a. Which claim [that John was asleep] was he willing to discuss
~~[which claim that John was asleep]~~ PF
b. [Which claim [that John was asleep]] was he willing to discuss
~~[which claim that John was asleep]~~ LF
c. For which x, x a claim that John was asleep, he was willing to discuss x Interpretation (?)

- (15) "...preference principle for reconstruction: Do it when you can (i.e., try to minimize the restriction in the operator position)."

- (16) Which piece of evidence that John was guilty did he successfully refute?
- (17) The widespread belief that John is incompetent, he deeply resents
- (18) Whose argument that John was incorrect did you show him?
- (19) How many arguments that John's theory was correct did he publish?
- (20) This argument that John's theory is correct, he is now ready to publish.
- (21) Which proof that Mary's theory is superior to John's did she present?
- (22) Mary's attempt to hire John's student, he heartily endorsed.
- (23) John's request to attend Mary's lecture, she immediately granted.

- (24) a. The claim that the director_i was corrupt, he_i was unwilling to discuss
b. That the director_i was corrupt, everyone knew that he_i would always be able to deny with a straight face
Postal (1997)

- (25)a. Whose allegation that John_i was less than truthful did he_i refute vehemently?
 b. Whose claim that the Senator_i had violated the campaign finance regulations did he_i dismiss as politically motivated?
 Kuno (1997)
- (26)a. *Which claim that John_i was asleep did he_i later deny
 b. Which claim that John_i made did he_i later deny
 Munn (1994)
- (27) Later than what, one might ask?
- (28) *Whose claim that John_i is nice did he_i believe?
 Lebeaux (1988)
- (29) Susan: John is nice.
 Mary: John is nice.
 !!John: I believe Susan but I don't believe Mary.
- (30) Which ['pro'] report that John_i was incompetent did he_i submit?
 Freidin (1986)
- (31) What if the complement/relative asymmetry with WH-movement is illusory. How problematic is that for the theory?
- (32)a. (9)a vs. b is arguably just a stipulation, as is (9)c.
 b. (15) is clearly a stipulation.
- (33) If anything, then, lack of that asymmetry would be a 'better' state of affairs. (The only mildly negative consequence, depending on your point of view, is that a potential argument for traces, i.e., copies, disappears.)
- (34)a. The Projection Principle requires that heads and their arguments, and the arguments of these heads, and so on, must be present in the base.
 b. Adjuncts need not be present in the base.
 c. Condition C is not earmarked for any particular level--it applies throughout the derivation, and marks as ungrammatical any configuration it sees, in which a name is c-commanded by a coindexed pronoun.
 Lebeaux (1988); Lebeaux (1990)
- (35) The claim that John_i was asleep seems to him_i [_{IP} t to be correct]
 Chomsky (1993)
- (36) Lexical material is inserted only in the head position of an A-chain. Lebeaux (1988); Lebeaux (1990)
- II. On Lack of Reconstruction With A-Movement**
- (37) "[Reconstruction] is a consequence of operator-variable constructions driven by FI, a process that may (or sometimes must) leave part of the trace - a copy of the moved element - intact at LF..." Chomsky (1995)
- (38) "That reconstruction should be barred in A-chains is thus plausible on conceptual grounds."
- (39) *John_i expected [him_i to seem to me [_α t to be intelligent]]
- (40) "...under reconstruction the violation [of Condition B] should be eliminated, with *him* interpreted in the position of *t*..."

- (41)a. (it seems that) everyone isn't there yet
 b. Everyone seems [t not to be there yet]
 c. I expected [everyone not to be there yet]
 Chomsky (1995)
- (42) "[the lack of wide scope for negation in (41)b] indicates that there is no reconstruction to the trace position..."
- III. Quantifier Lowering?**
- (43) Some politician is likely to address John's constituency
 May (1977)
- (44) "[(43)] may be taken as asserting either (i) that there is a politician, e.g., Rockefeller, who is likely to address John's constituency, or (ii) that it is likely that there is some politician (or other) who will address John's constituency."
- (45) On the first reading, the speaker has a particular individual in mind (a politician, in this instance), but, for some discourse reason or other, does not identify that individual. On the second reading (the 'lowered' one), the speaker does not have any particular individual in mind. The ambiguity might then fall under theme-rheme properties, the 'wide scope' quantifier being a theme or topic.
- (46) Some politician addressed John's constituency
 a. ...namely Rockefeller
 b. ...I can tell by all the balloons and flags on the green
- (47) Someone is likely to clean the blackboard
- (48) Someone cleaned the blackboard
 a. ...namely, Joe the maintenance man
 b. ...I have no idea who, but the board was covered with phrase structure trees last night, and is now bare
- (49)a. No large Mersenne number was proven to be prime *
 b. It was proven that no large Mersenne number is prime
- (50)a. Noone is certain to solve the problem *
 b. It is certain that noone will solve the problem
- (51)a. Every coin is 50% likely to land heads *
 b. It is 50% likely that every coin will land heads
- (52)a. Every coin is 3% likely to land heads *
 b. It is 3% likely that every coin will land heads
- (53)a. A hippogryph is likely to be apprehended
 b. It is likely that a hippogryph will be apprehended
- (54)a. A hippogryph is anxious to be apprehended *
 b. *It is anxious that a hippogryph will be apprehended
- (55) Some linguist is anxious to solve the problem of quirky Case
- (56) (55) can be appropriately uttered whether or not the speaker has a particular linguist in mind. The second circumstance might involve, say, a report of an anonymous e-mail posting urgently requesting information about quirky Case.

- (57)a. No agent_i was believed by his_i superior to be a spy for the other side *
- b.*It was believed by his_i superior that no agent_i was a spy for the other side May (1985)
- (58) Some professor_i is believed by his_i students to be a tyrant
- (59)a. Howard Lasnik is believed by his students to be a tyrant
- b. Some professor (or other), I have no idea exactly who, is believed by his students to be a tyrant
- (60) The context for (59)b might be the discovery of graffiti scrawled on the lavatory wall saying "Our professor is a tyrant".
- (61) (✓)Each other's supporters frightened the candidates
- (62) (*)Each other's supporters attacked the candidates
- (63) (✓)Each other's supporters seem to the candidates to be unscrupulous
- (64) (*)Each other's supporters asked the candidates to be more honest
- (65) If the contrasts in (61)-(64) are genuine, they might be handled 'on-line', as in Belletti and Rizzi (1988) or, for that matter, in Lebeaux's theory.
- (66) For 'anti-reconstruction' with Condition C, and possibly for lack of Quantifier Lowering, these interpretive processes could be limited to LF. But this begs the question:
- (67) Why would traces of A-movement, unlike traces of \bar{A} -movement, not be accessible to LF processes?
- (68) Recall that Chomsky simply stipulates that reconstruction is a property of operator-variable constructions.
- (69) A more interesting (though more radical?) possibility: A-movement, unlike \bar{A} -movement, does not leave a trace, where a trace is, following Chomsky, a copy of the item that moves, and LF reconstruction effects result from failure to delete (a portion of) a lower copy.
- (70) \bar{A} -movement typically creates an operator-variable relation, so at least an 'initial' trace is necessary. For A-movement, on the other hand, the trace is seemingly a theoretical excrescence. There are not two separate interpretive roles for a moved NP and its trace to fulfill.
- (71) "In the phonological component, traces delete. We have found no reason to extend that convention to the $N \rightarrow \lambda$ computation, and indeed cannot; were we to do so, θ -positions would be invisible at LF..." Chomsky (1995)
- (79) Alternative: θ -roles are 'checked' in the course of a derivation. The moved argument is itself a record of the crucial part of the history of its derivation. [On θ -roles as features, see, for example, Bošković and Takahashi (1995) and Lasnik (1995).]

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