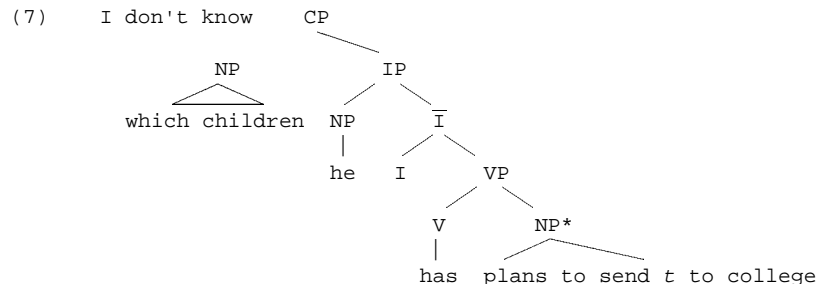


Where do you put the * ?

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I. Ellipsis and island violation repair

- (1) I believe that he bit someone, but they don't know who (I believe that he bit)
- (2)a *I believe the claim that he bit someone, but they don't know who I believe the claim that he bit
 b (??)I believe the claim that he bit someone, but they don't know who
- (3)a *Irv and someone were dancing together, but I don't know who Irv and were dancing together [Coordinate Structure Constraint]
 b (??)Irv and someone were dancing together, but I don't know who
- (4)a *She kissed a man who bit one of my friends, but Tom doesn't realize which one of my friends she kissed a man who bit [Complex NP Constraint]
 b (??)She kissed a man who bit one of my friends, but Tom doesn't realize which one of my friends
- (5)a *That he'll hire someone is possible, but I won't divulge who that he'll hire is possible [Sentential Subject Constraint]
 b (??)That he'll hire someone is possible, but I won't divulge who All above from Ross (1969)
- (6)a *I don't know which children he has plans to send to college
 b He has plans to send some of his children to college, but I don't know which ones Chomsky (1972)



- (8) Chomsky's suggestion [see also Lakoff (1970), Baker and Brame (1972), Lakoff (1972)] is that * (# in Chomsky's presentation) is assigned to an island when it is crossed by a movement operation (the complex NP in (7)). If a later operation (Sluicing in this case) deletes a category containing the *-marked item, the derivation is salvaged.
- (9) For Chomsky (1972), the condition banning * applies at surface structure. The results are the same if, instead, it is a PF condition, as suggested by Lasnik (1995b), Lasnik (In press).
- (10) I know that he must be proud of it, but I don't know how proud (he must be of it)
- (11) *I know that he must be proud of it, but I don't know how (he must be proud of it) Ross (1969)
- (12) The Left Branch Condition is a requirement of a different sort. Ross (1969), Merchant (1999).
- (13) Another possibility is that LBC is not, in itself, different, but that in (11), we have not a mere Subjacency violation, but an ECP violation (since the moving item is not an argument). And the ECP is known to hold at LF.
- (14) Johnny stole someone's wallet, but I forget whose (wallet)
- (15)whose (pro) Ross (1969)
- (16) ?The speaker discussed some linguist and some philosopher's theory, but I can't remember which linguist (*the speaker discussed and some philosopher's theory)
- (17) *They want to hire someone who speaks a Balkan language, but I don't know which they do ~~to hire someone who speaks~~ Merchant (1999)
- (18) *They want to hear a lecture about a Balkan language, but I don't know which (Balkan language) they do
- (19) They want to hear a lecture about a Balkan language, but I don't know which (Balkan language) they want to hear a lecture about
- (20) *They want the students to attend a lecture about a Balkan language, but I don't know which they do

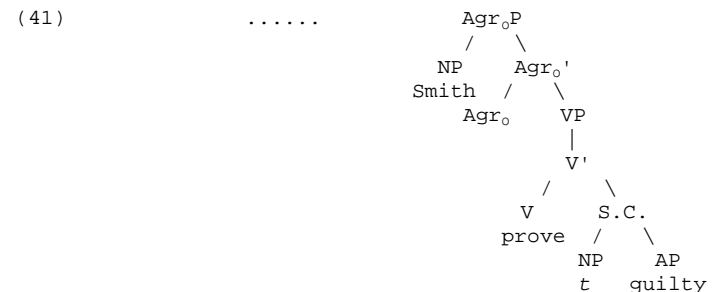
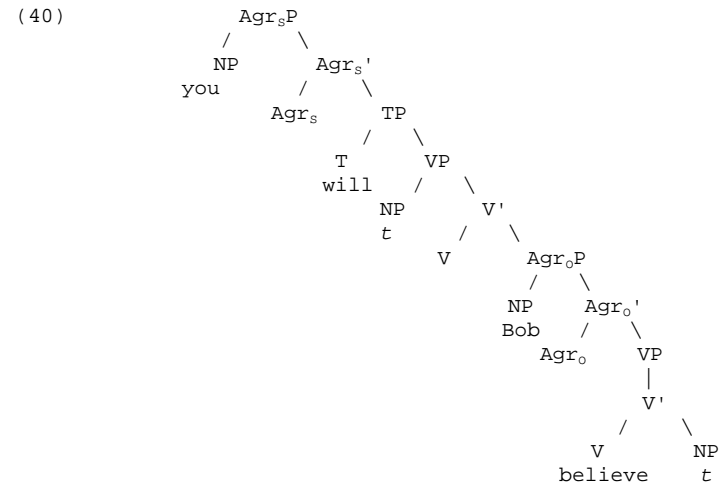
II. Trace deletion: Subjacency vs. ECP Chomsky (1991), Chomsky and Lasnik (1993)

- (21) ??Who do you wonder [CP whether [IP John said [CP t' e [IP t solved the problem]]]] (*)
- (22) Deletion is possible only to turn an illegitimate LF object into a legitimate one, where the legitimate LF objects are:

- (23)a Uniform chains (all of whose members are in A-positions;
A'-positions; or X⁰-positions)
b Operator-variable pairs.
- (24) Deletion in the chain (Who, t', t) is permissible since the chain is neither uniform (Who and t' are in A'-positions, t in an A-position) nor is it an operator-variable pair.
- (25) More generally, in the case of successive-cyclic A'-movement of an argument, an intermediate trace (starred or otherwise) can (in fact must) be deleted in LF, voiding an ECP violation when the trace to be deleted is starred.
- (26) On the other hand, long movement as in (27) **will** be an ECP violation, since the movement chain in this instance is uniformly A', so economy prevents the deletion of t':
- (27) *How do you wonder [_{CP} whether [_{IP} John said [_{CP} t' e [_{IP} Mary solved the problem t]]]]
(*)
- (28) Not a great analysis, perhaps, but it has one advantage over virtually all existing alternatives: It works.
- (29) Similarly, ultra-long A-movement will also be properly excluded, even when the first step is 'short', as in (30), with its uniform A-chain:
- (30) *John seems [that [it is likely [t' to be arrested t]]]
(*)
- (31) There is a potential problem with this account of long A-movement. Chomsky (1995) and Lasnik (1999a) point out several circumstances where A-movement fails to display reconstruction effects. Based on this, and on the fact that the trace of A-movement has little, if any, semantic work to do, Lasnik (1999a) proposes that A-movement doesn't leave a trace.
- (32)a (it seems that) everyone isn't there yet
b everyone seems [t not to be there yet]
- (33) "Negation can have wide scope over the Q in [(32)a], ... but not in [(32)c],... reconstruction in the A-chain does not take place, so it appears." Chomsky (1995, p.327)
- (34) Possible answer, based on a conjecture of Lasnik (1994): If a bad movement must put a * on a chain, and if the chain has no trace, then the * goes on the moving item itself.

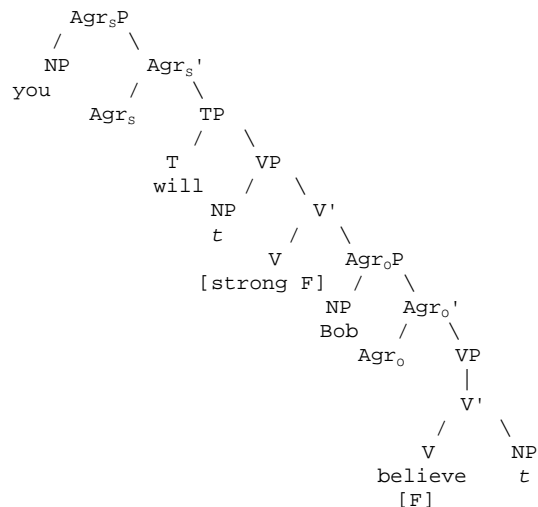
III. Strong features, defective PF objects, and ellipsis
A. Pseudogapping

- (35)a If you don't believe me, you will \emptyset the weatherman
b I rolled up a newspaper, and Lynn did \emptyset a magazine
c Kathy likes astronomy, but she doesn't \emptyset meteorology Levin (1978)
- (36)a The DA proved Jones guilty and the Assistant DA will prove Smith guilty
b ?John gave Bill a lot of money, and Mary will give Susan a lot of money
- (37) You might not believe me but you will Bob
- (38) NP-raising to Spec of Agr₀ ('Object Shift') is overt in English. [Koizumi (1993); Koizumi (1995), developing ideas of Johnson (1991)]
- (39) Pseudogapping as overt raising to Spec of Agr₀ followed by deletion of VP. [Lasnik (1995a)]



- (42) *You will Bob believe
(43) *The Assistant DA will Smith prove guilty

(44)



(45) Once the matching feature of the lower lexical V is 'attracted', the lower V becomes defective (marked *, if you like). A PF crash will be avoided if either pied-piping or deletion of a category containing the lower V (VP Deletion = Pseudogapping in the relevant instances) takes place. [Lasnik (1999b), developing an idea of Ochi (1999)]

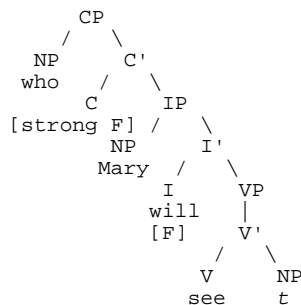
B. Sluicing

(46) Sluicing - WH-Movement followed by deletion of IP (abstracting away from 'split Infl' details). [Saito and Murasugi (1990), Lobeck (1990)]

(47) Speaker A: Mary will see someone.
Speaker B: I wonder who ~~Mary will see~~.

(48) Speaker A: Mary will see someone.
Speaker B: Who ~~Mary will see~~?

(49)



(50) *Who Mary will see?

(51) Who will Mary see?

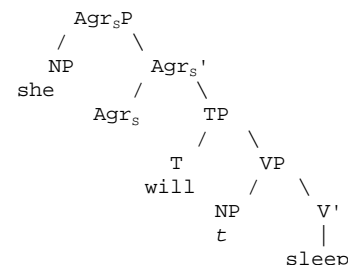
(52) Assume that matrix interrogative C contains the strong feature, with the matching feature of Infl raising overtly to check it. This leaves behind a phonologically defective Infl, which will cause a PF crash unless either pied-piping or deletion of a category containing that Infl (Sluicing) takes place.

IV. A consequence for the EPP

(53) Certain heads have a strong feature, demanding overt movement for checking. Chomsky (1995)

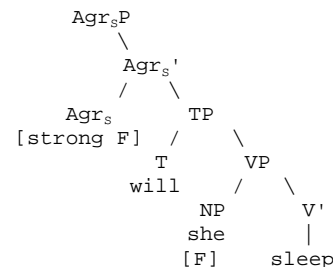
(54) Certain heads require Spec's. Chomsky (In press); Chomsky (1981)

(55)



(56) Mary said she won't sleep, although she will ~~sleep~~

(57)



(58) *Mary said she won't sleep, although will ~~she sleep~~

(59) Agr (or T) requires a Spec. It does not suffice to check its 'EPP feature'.

V. A problem for 'Inclusiveness'?

(60) "...any structure formed by the computation ... is constituted of elements already present in lexical items selected for N; no new objects are added in the course of computation apart from rearrangements of lexical properties..." Chomsky (1995, p.228)

- (61) "... a *-feature, which is not a lexical feature - since it appears nowhere in the lexicon - ... enters into a derivation as the output of certain movements. It is this assumption that violates the Inclusiveness Condition." Kitahara (1999, p.79)
- (62)a An expression is marginally deviant if its derivation employs an MLC-violating application of Attract.
- b An expression is severely deviant if its derivation employs an MLC-violating application of Attract that forms a legitimate LF object as its output. Kitahara (1999)
- (63) "The marginal deviance of [long argument movement] follows from [(62)a]. Notice that ... there is no need to mark anything in the course of a derivation." Kitahara (1999, p.80)
- (64) "The severe deviance of [long adjunct movement] follows from [(62)b]. Here again, there is no need to mark anything in the course of a derivation." Kitahara (1999, p.81)

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