On the Subject of Infinitives

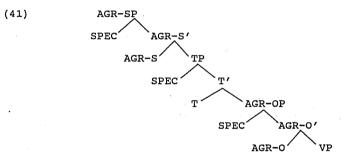
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## 1. Evidence for Raising

- (1) I believe John to have convinced Bill
- (2) I believe that John convinced Bill
- (3) I believe Bill to have been convinced by John
- (4) I compelled the doctor to examine John
- (5) I compelled John to be examined by the doctor
- (6) I believe there to be a man in the garden
- (7) I believe advantage to have been taken of John
- (8) \*I forced there to be a man in the garden
- (9) \*I forced advantage to have been taken of John
- (10)a. Jack believed Joan to be famous
- b. Joan was believed to be famous by Jack
- (11) a. \*Jack, believed him, to be immoral b. Jack, believed himself, to be immoral.
- They believed each other to be honest (12)
- (13) The FBI proved that few students were spies (14)
- The FBI proved few students to be spies
- (15) Joan believes he, is a genius even more fervently than Bob, does
- (16) \*Joan believes him, to be a genius even more fervently than Bob; does
- (17) \*Joan believes him; to be a genius even more fervently than Bob, believes him, to be a genius
- (18) ?Mary believes him, to be a genius, and Bob, does too
- (19) \*Bob; believes him; to be a genius
- (20) ?Mary believes Bob; to be a genius, and he; does too
- (21) \*He; believes Bob; to be a genius
- (22) Joan believes he, is a genius even more fervently than Bob's mother does
- (23)?\*Joan believes him to be a genius even more fervently than Bob's; mother does
- (24)?\*Joan believes him, even more fervently than Bob's, mother does
- (25) ?The DA proved [the defendants to be quilty] during each other's trials
- (26) ?The DA accused the defendants during each other's trials
- (27)?\*The DA proved [that the defendants were guilty] during each other's trials
- (28) No one saw anything
- (29) \*Anyone saw nothing
- (30) The DA accused none of the defendants during any of the trials
- (31) ?The DA proved [none of the defendants to be guilty] during

any of the trials

- (32)?\*The DA proved [that none of the defendants were guilty] during any of the trials
- (33) The students solved three problems each
- (34) \*Three students each solved the problems (i.e., on the reading 'The problems were solved by three students each')
- (35) \*The students proved that three formulas each were theorems (i.e., on the reading 'Each of the students proved that three formulas were theorems')
- (36) ?The students proved three formulas each to be theorems
- (37) Jones proved the prisoners guilty with one accusation each
- (38) Jones proved the defendants to be guilty with one accusation each
- (39) Jones prosecuted the defendants with one accusation each
- (40)??Jones proved that the defendants were guilty with one accusation each
- 2. When does Raising Take Place?



- (42) Which book that John; read did he; like
- (43) \*He; liked every book that John; read
- (44) [ [PKare-wa [ CP[ PMary-ga [ NPJohn-nituite-no -about -gen he -top -nom
- dono hon]-o yonda] ka] siritagatteiru] which book-acc read Q want-to-know (He wants to know which book about John Mary read)
- (45) ?[<sub>IP</sub>[<sub>NP</sub>John-nituite-no dono hon]-o, [<sub>IP</sub>kare-wa [cp[mMary-ga t; yonda] ka] siritagatteiru]]
- (46) [IPKare-wa [CP[NPJohn-nituite-no dono hon]-oi [c[mMary-ga t; yonda] ka]] siritagatteiru]
- (47) John, wonders which picture of himself, Mary showed to Susan
- (48) \*John; wonders who showed which picture of himself; to Susan

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- (49) ?The DA proved [the defendants to be guilty] during each other's trials
- (50) ?The DA accused the defendants during each other's trials
- (51) There arrived a man
- (52) A man arrived <u>t</u>
- (53) There arrived two knights on each other's horses
- (54) two knights arrived  $\underline{t}$  on each other's horses
- (55) The DA proved [two men to have been at the scene] during each other's trials
- (56) \*The DA proved [there to have been two men at the scene] during each other's trials
- (57) Some politician is likely to address John's constituency
- (58) It is likely that some politician will address John's constituency
- (59) It is unlikely that anyone will address the rally
- (60) \*Anyone is unlikely to address the rally
- (61) Someone is unlikely to address the rally

## 3. Postal's B-Verbs vs. W-Verbs

- (62) ?Joan wants him; to be successful even more fervently than Bob's; mother does
- (63)??Joan believes him, to be a genius even more fervently than Bob's, mother does
- (64)??\*I wanted [those men to be fired] because of each other's statements
- (65) ?I believed [those men to be unreliable] because of each other's statements
- (66)??\*I wanted [none of the applicants to be hired] after reading any of the reports
- (67) ??I believed [none of the applicants to be qualified] after reading any of the reports
- (68)??\*I wanted [them to be fired] for three reasons each
- (69) ??I believed [them to be incompetent] for three reasons each
- (70)?\*I wanted very much [for those men to be fired] because of each other's statements
- (71) \*I wanted very much [for none of the applicants to be hired] after reading any of the reports
- (72)?\*I wanted very much [for them to be fired] for three reasons each
- 4. Raising Questions

If we succeed in eliminating recourse to c-selection as well as phrase structure rules, thus reducing syntactic representations at D-structure to projections of semantic properties of lexical items, it will follow that the complement of any lexical head in a syntactic representation must be s-selected by it, because there is no other way for the position to exist. For example, there cannot be such sentences as (68), where V is a verb that does not s-select an object and <u>there</u> is a pleonastic element...lacking any semantic role...

John [vp V there]

...Similarly, we cannot have "raising to object" to yield (70ii) (with <u>e</u> the trace of <u>Bill</u>) from the D-structure (70i): (70)

*i* John [vpbelieves <u>e</u> [sBill to be intelligent]] *ii* John [vpbelieves Bill [se to be intelligent]]

The verb <u>believe</u> s-selects only a proposition. Therefore, in (70i) the position occupied by <u>e</u> cannot exist at Dstructure, because it is not s-selected by <u>believe</u>. [Chomsky (1986, pp.90-91]

- (73) I dislike it that he is so cruel
- (74) I didn't suspect it for a moment that you would fail
- (75) I regret it very much that we could not hire Mosconi
- (76) I resent it greatly that you didn't call me
- (77) I don't mind it very much that he did that
- (78) ??I dislike him to be so cruel
- (79) ?\*I didn't suspect you to have failed
- (80) \*I regret them not to have hired Mosconi
- (81) \*I resent you not to have called me
- (82) \*I don't mind him to have done that
- (83) I believe (??it) that John left
- (84) I will prove (?\*it) that Mary is the culprit
- (85) They have found (\*it) that there is a prime number greater than 17
- (86) I will show (\*it) that the Coordinate Structure Constraint is valid
- (87) Why is raising obligatory?
- (88) How does an object c-command an adjunct?

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