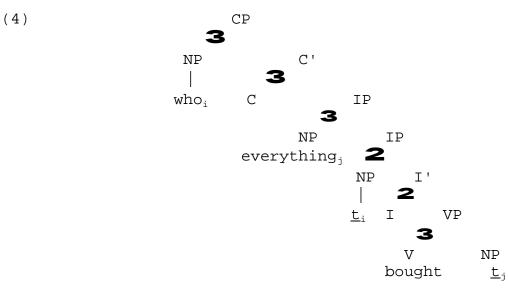
LING 819 Spring 2007

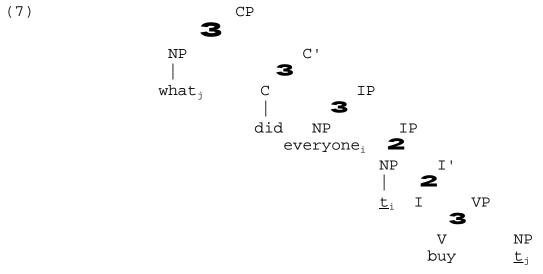
WH - Quantifier Interactions

(Based on May (1985))

- (1) What did everyone buy (ambiguous: group purchase WH > ∀; or 'family of questions' ∀ > WH)
- (2) Who bought everything (unambiguous; no family of questions)
- (3) Who saw everyone (unambiguous; no family of questions)

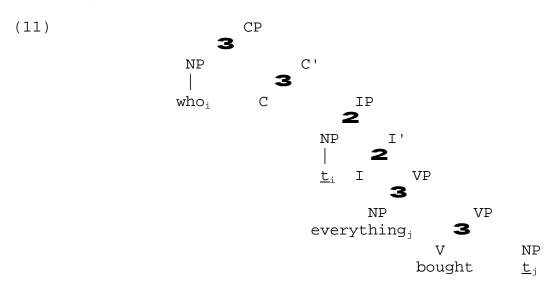


- (5) According to May, (4) would have the family of questions reading if it were well-formed.
- (6) Constraint: Intersecting A'-categorial paths must embed, not overlap. [Path Containment Condition of Pesetsky (1982)]



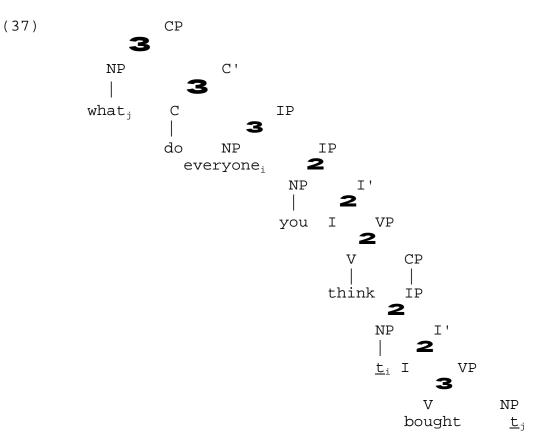
- (8) How does (7) provide the family of questions reading?(9)a IP (=S) is not a maximal projection.
 - b Operators that govern each other are free to take on any type of relative scope relation. (7) represents <u>both</u> readings.)

(10) Why is (2) good at all, on any reading?



- (12) The target of QR is not limited to IP.
- (13) Adjunction creates a 'segmented' category, rather than an additional maximal projection. A segment does not block ccommand. [Borrowed by Chomsky in Chomsky (1986).]
- (14) Then why doesn't (11) give rise to a family of questions reading?
- (15) Even a segment of a maximal projection blocks government.
- (16) Who do you think [everyone saw <u>t</u> at the rally]
- (17) Williams (1986) observes that this example of May's, which as May notes does have the ambiguity, causes a difficulty for May's analysis:
- (18) Everyone must scope out of the embedded finite clause, but this is normally not possible, as illustrated in (19).
- (19) Someone thinks everyone saw you at the rally
- (20) Larson and May (1990) make a very similar point: "whereas quantified subjects can be given scope out of infinitives, this is not generally possible with tensed complements." "...whereas [(21)a] permits a wide-scope reading for <u>everyone</u> vis-à-vis <u>someone</u> and <u>believe</u>, according to which for each person <u>x</u> there is someone who believes <u>x</u> is a genius, [(21)b] permits only a narrow-scope reading for <u>everyone</u>, according to which there is some person who believes genius to be a universal characteristic".
- (22) A possible alternative treatment:

- (23) What is the nature of the WH-Q interactions, and what is the relevant property of the WH?
- (24) What did everyone, buy with $his_{\rm i}$ bonus money Lasnik and Saito (1992)
- (25) Surprisingly, (24) lacks the group purchase reading. This suggests that May's original ambiguity is not actually a scope ambiguity, since <u>every..</u> can bind a singular pronoun whether it has wide or narrow scope:
- (26) Some coach gave every $\texttt{lineman}_i \ \texttt{his}_i \ \texttt{assignment}$
- (27) Conjecture: Group purchase reading involves a 'group' interpretation of the universal, not a genuine quantificational reading. The quantificational reading is involved in the family of questions reading.
- (28) Everyone bought something
- (29) Someone bought everything
- (30) Everyone, bought something with his, bonus money
- (31) A very old idea: <u>what</u> = wh+<u>something</u>; <u>who</u> = wh+<u>someone</u>.
- (32) What did you buy
- (33) you bought WH-something
- (34) WH [you bought _-something]
- (35) WH [everyone bought _-something]
- (36) What do you think everyone bought



(38) WH you think [everyone bought _-something]

- (39) You think [everyone bought something]
- (40) You think that $\forall x \exists y \mid x \text{ bought } y$
- (41) <u>WH</u> You think that $\forall x \exists y \mid x \text{ bought } y$
- (42) What does everyone think you bought <u>t</u> [Sloan (1991), pointing out another problem for the analysis in May (1985)]
- (43) WH everyone thinks [you bought -something]
- (44) Everyone thinks you bought something
- (45) $\forall x x \text{ thinks } \exists y \mid you \text{ bought } y$
- (46) $\neq \forall x \exists y \mid x \text{ thinks you bought } y$
- (47) May (1977) makes exactly the same factual claim about a parallel example:
- (48) Who did everyone say that Bill saw
- (49) What does everyone, think he, bought
- (50) WH everyone_i thinks [he_i bought -something]
- (51) Everyone_i thinks he_i bought something
- (52) $\forall x x \text{ thinks } \exists y \mid \text{he bought } y$
- (53) $\forall x \exists y \mid x \text{ thinks he bought } y$

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