

October 3, 2006

CLASS 5: MINIMALITY

RECAP

- (1) a. $he \text{ } +_{\text{Merge}} \text{ } [_{V'} \text{ greeted her }] \quad \rightarrow \text{ } [_{VP} \text{ he } [_{V'} \text{ greeted her }]]$
 b. $he \text{ } +_{\text{Merge}} \text{ } [_{V'} v \text{ } [_{VP} \text{ greeted her }]] \quad \rightarrow \text{ } [_{VP} \text{ he } [_{V'} v \text{ } [_{VP} \text{ greeted her }]]]$
- (2) a. $[_{AgrSP} \text{ he}_i [_{AgrS'} \text{ AgrS } [_{TP} \text{ T } [_{AgrOP} \text{ her}_k [_{AgrO'} \text{ AgrO } [_{VP} \text{ t}_i [_{V'} \text{ greeted t}_k]]]]]]]]$

 b. $[_{TP} \text{ he}_i [_{T'} \text{ T } [_{VP} \text{ her}_k [_{V'} \text{ t}_i [_{V'} v \text{ } [_{VP} \text{ greeted t}_k]]]]]]$

RELATIVIZED MINIMALITY

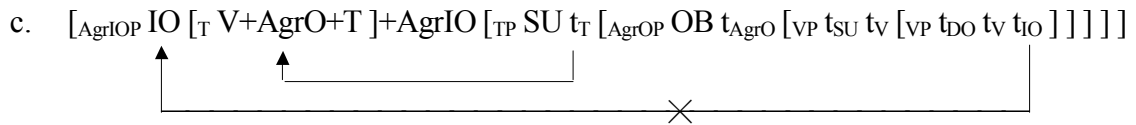
(3) *Relativized Minimality*

X α -governs Y only if there is no Z such that:

- (i) Z is a typical potential α -governor for Y; and
 (ii) Z c-commands Y and does not c-command X.

- (4) a. $[\text{ it}_i \text{ seems } [\text{ t}_i \text{ to be likely } [\text{ that John will win }]]]$ *A-movement*
 b. $[\text{ John}_i \text{ seems } [\text{ t}_i \text{ to be likely } [\text{ t}_i \text{ to win }]]]$
 c. $*[\text{ John}_i \text{ seems } [\text{ that it}_i \text{ is likely } [\text{ t}_i \text{ to win }]]]$
- (5) a. $[\text{ who}_k [\text{ t}_k \text{ wondered } [\text{ how}_i \text{ you fixed the car t}_i]]]$ *A'-movement*
 b. $[\text{ how}_i \text{ did you say } [\text{ t}_i \text{ John fixed the car t}_i]]]$
 c. $*[\text{ how}_i \text{ do you wonder } [\text{ who}_k [\text{ t}_k [\text{ fixed the car t}_i]]]]]$
- (6) a. $[\text{ could}_i [\text{ they t}_i [\text{ have left }]]]$ *X-movement*
 b. $[\text{ have}_i [\text{ they t}_i \text{ left }]]]$
 c. $*[\text{ have}_i [\text{ they could } [\text{ t}_i \text{ left }]]]]$
- (7) a. $[_{AgrO'} \text{ AgrO } [_{VP} \text{ he } [_{V'} \text{ greeted her }]]]]$
 b. $[_{AgrOP} \text{ her}_i [_{AgrO'} \text{ AgrO } [_{VP} \text{ he } [_{V'} \text{ greeted t}_i]]]]]]$
 c. $[_{T'} \text{ T } [_{AgrOP} \text{ her}_i [_{AgrO'} \text{ AgrO } [_{VP} \text{ he } [_{V'} \text{ greeted t}_i]]]]]]]$
 d. $[_{TP} \text{ he}_k \text{ T } [_{AgrOP} \text{ her}_i [_{AgrO'} \text{ AgrO } [_{VP} \text{ t}_k [_{V'} \text{ greeted t}_i]]]]]]]]$
 e. $[_{AgrSP} \text{ he}_k \text{ AgrS } [_{TP} \text{ t}_k \text{ T } [_{AgrOP} \text{ her}_i [_{AgrO'} \text{ AgrO } [_{VP} \text{ t}_k [_{V'} \text{ greeted t}_i]]]]]]]]]]]$

- problem (with (7)-(8)): **shouldn't this movement be blocked?** (compare with (6c) above)



- (30) a. $[VP SU [V' V OB]]$ (SVO order)
 b. $[_{AgrOP} V+AgrO [VP SU [V' t_V OB]]]$ (VSO order)
 c. $[_{AgrOP} OB V+AgrO [VP SU [V' t_V t_{OB}]]]$ (OVS order)
 d. $[TP [_{AgrO} V+AgrO]+T [_{AgrOP} OB t_{AgrO} [VP SU [V' t_V t_{OB}]]]]$ (VOS order)
 e. $[TP SU [_{AgrO} V+AgrO]+T [_{AgrOP} OB t_{AgrO} [VP t_{SU} [V' t_V t_{OB}]]]]$ (SVO order)

• also, equidistance from (17) faces a conceptual problem: **target or movement?**

- (31) *He greeted *her*. (32) $[VP her [V' greeted he]]$

[with the intended meaning 'She greeted him.']

- (33) a. $[_{AgrSP} AgrS [TP he T [_{AgrOP} AgrO [VP her greeted t_{he}]]]]$
 b. $[_{AgrSP} AgrS [TP he T [_{AgrOP} her greeted_{V+AgrO} [VP t_{her} t_V t_{he}]]]]$

• towards **eliminating Agr**

- (34) $[VP SU [V' v [VP V OB]]] \rightarrow [VP OB [V' SU [V' v [VP V t_{OB}]]]]$

- (35) **Equidistance** (final version)

If two positions α and β are in the same MinD, they are equidistant from any other position.

- (36) $[TP SU T [VP OB [V' t_{SU} [V' v [VP V t_{OB}]]]]]]$

- (37) a. $[VP her [V' v [VP V he]]]$ "He greeted her."
 b. $[VP her [V' t_{her} [V' v [VP V he]]]]$
 c. $[TP he T [VP her [V' t_{her} [V' v [VP V t_{he}]]]]]]$
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- (38) a. $[VP SU [V' v [VP DO V IO]]]$ ditransitive structure

- b. $[VP DO [V' SU [V' v [VP t_{DO} V IO]]]]$
 c. $[VP IO [V' DO [V' SU [V' v [VP t_{DO} V t_{IO}]]]]]]$
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- d. $[TP SU [VP IO [V' DO [V' t_{SU} [V' v [VP t_{DO} V t_{IO}]]]]]]$
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- (39) a. $[VP SU [V' v [VP V OB]]]$ (SVO word order)
 b. $[VP OB [V' SU [V' v [VP V t_{OB}]]]]$ (OSV word order)
 c. $[TP SU [T T [VP OB [V' t_{SU} [V' v [VP V t_{OB}]]]]]]$ (SOV word order)