

- i. α : head
- ii. any element other than α : complement
- iii. maximal
- iv. subject to the parameter settings specified for the grid construction in the particular language

(cf. Chomsky (1986a))

- (11) a. $\begin{array}{c} \cdot \langle \langle \cdot \cdot \rangle \rangle \\ \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\ \text{bamboo pole} \end{array} \rightarrow \begin{array}{c} \langle \langle \cdot \cdot \rangle \rangle \cdot \\ \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\ \text{bamboo pole} \end{array}$
- b. $\begin{array}{c} \cdot \cdot \cdot \langle \langle \cdot \cdot \rangle \rangle \\ \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\ \text{Tippecanoe River} \end{array} \rightarrow \begin{array}{c} \langle \langle \cdot \cdot \cdot \cdot \rangle \rangle \cdot \\ \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\ \text{Tippecanoe River} \end{array}$

In the input representations in (11), the right member of $\langle \langle \cdot \cdot \rangle \rangle$ is a nonanaphor and is bound by the possible binder (i.e. the left member), so both of (11a-b) inputs violate the BTC (B) and undergo move α . In the output representations, it is not bound in (11a-b) and so they do not violate the BTC (B).

Now let us examine whether or not they violate the BTC (A) and the ECP:

- (12) a. $\begin{array}{c} \cdot \cdot \cdot \\ \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\ \text{bamboo pole} \end{array} \quad \langle \cdot \cdot \rangle \cdot \quad [[[\cdot \cdot]][\cdot]]$
- b. $\begin{array}{c} \cdot \cdot \cdot \cdot \cdot \\ \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \left(\begin{array}{c} \cdot \\ \cdot \end{array} \right) \\ \text{Tippecanoe River} \end{array} \quad \langle \cdot \cdot \cdot \cdot \rangle \cdot \quad [[[\cdot \cdot [\cdot \cdot \cdot \cdot]]][\cdot]]$

The trace is an anaphor and is bound in its binding domain, so in both cases the BTC (A) is not violated. Note, however, that the trace in (12a) is 0-subjacent to its antecedent whereas the one in (12b) is 1-subjacent. Therefore, movement in (12b) is blocked by the ECP.

Finally, we suggested the existence of anaphors and nonanaphors in the segmental field. In particular, we pointed out that a segment may behave like an anaphor or nonanaphor with respect to certain rules such as vowel harmony in Turkish and Khalkha Mongolian, plural and preterite suffix (i.e. *-ed*) allomorphy in English, and Onbin Rule in Japanese.

Footnotes

* This report is based on our joint work presented at the Ninth Annual Meeting of the Tsukuba English Linguistic Society.

¹ Nakizin words also have another tone pattern: unaccented, but we will not discuss the matter here.

² We follow Halle and Vergnaud (1987) in representing metrical structure by "bracketed grids". Our parameter settings for Nakizin, not discussed in H & V and different from Haraguchi (1988)'s, are: line 0 [+ BND, + HT, right, left to right]; line 1 [- BND, + HT, left]. The metrical structure constructed by the settings then undergoes Tone Association (Haraguchi (1988)): H-toned sequence begins at the main-stressed syllable; and Vowel Lengthening (Nakasone (1983)): Stressed syllables tend to be lengthened.

³ The class of words grouped as second-head accented is determined underlyingly to undergo move α .

⁴ The more distant α is from the head position specified, the more prominent α is assumed to be.

⁵ The binding domain for an anaphor is in conformity with the domain BCF determines.

⁶ We assumed following H & V that English has Extrametricality and Accent Rule and that the parameter settings for the language are: line 0 [+ BND, + HT, left, left to right]; and lines 1 and 2 [- BND, + HT, right]. Furthermore, *Tippecanoe River* is assumed to undergo Stress Enhancement.

Selected References

- Chomsky, N. (1986a). *Knowledge of Language: Its nature, Origin, and Use*. Praeger, New York.
- (1986b). *Barriers*. MIT Press, Cambridge, Massachusetts.
- Halle, M. and J. R. Vergnaud (1987). *An Essay on Stress*. MIT Press, Cambridge, Massachusetts.
- Haraguchi, S. (1988). *A Theory of Stress and Accent*. ms., MIT and the University of Tsukuba.
- Nakasone, S. (1983). *Okinawa Nakizin Hoogen Jiten* (A Dictionary of Nakizin Dialect in Okinawa). Kadokawa Shoten, Tokyo.