Bound Variable Interpretation and the Degree of Accessibility

Natural languages may employ different kinds of lexical items for a bound variable interpretation. For example, it is generally agreed that both pronouns and reflexives in English can be construed as a bound variable, as shown in (1) and (2), yet other lexical items such as an epithet or a definite description headed by a demonstrative can also be claimed to induce a bound variable interpretation. Observe (3) and (4).

- (1) a. Every boy_i thinks Anna likes him_i. b. $(\forall x: boy(x))$ (x thinks Anna likes x)
- (2) a. Innes_i likes himself_i. b. Innes λx (x likes x)
- (3) (Noguchi 1997: 784; originally from Hornstein and Weinberg (1988))
 a. John criticised every senator_i in private while praising the bastard_i in public.
 b. John will buy no wine_i before the damn thing_i is ready to drink.
- (4) (Noguchi 1997: 785; originally from Evans (1977))
 Every logician_i was walking with a boy near that logician_iÕ house.

Japanese also allows several options for a bound variable interpretation. An anaphor *zibun* $\hat{\Theta}$ elf \tilde{O} or a zero pronoun can readily induce a bound variable reading:

(5) Daremo_i-ga zibun_i-no/ ec_i hahaoya-o aisi-te i-ru. everyone-NOM self-GEN mother-ACC love-NF be-NPST $\hat{\Phi}$ veryone loves self $\tilde{\Theta}$ mother. \tilde{O}

Just like English, a definite description headed by *sono* $\hat{\Phi}$ hat $\tilde{\Omega}$ can also be used to express a bound variable reading (Nishigauchi 1986, Hoji 1991, Noguchi 1997). Observe (6).

Moreover, in Hara (to appear) it is argued that contrary to the standard observation, Japanese third person pronouns can be bound by a quantifier phrase (QP) under a certain condition:

Thus, in Japanese a bound variable interpretation can be obtained by the following four means (at least): using an anaphor *zibun*, a zero pronoun, a definite description headed by *sono*, and a third-person pronoun.

However, it is not the case that all of these expressions can induce a bound variable reading with the same likelihood. As noted above, an anaphor or a zero pronoun can readily induce a bound variable reading, and yet a third person pronoun in Japanese does not easily allow such interpretation. In English, too, there is a clear difference between a pronominal/reflexive on the one hand and a definite description on the other. Thus, even though a definite description in (8a) can be construed as a bound variable, such interpretation is impossible for (8b). But there is no such restriction in the case of a pronoun.

| (8) | a. | (Noguchi 1997: 785) |
|-----|----|--|
| | | Every boy _i dates a girl who adores that boy _i . |
| | b. | *Every boy _i likes that boy _i © girlfriend. |
| | | |

- (9) a. Every boy_i dates a girl who adores him_i .
 - b. Every boy_i likes his_i girlfriend.

In this talk I wish to provide an answer to the question as to why there is such a difference in the availability of a bound variable interpretation for different lexical items. Specifically, I would like to suggest that Accessibility theory proposed in Ariel (1990, 1991, 1994, and the reference cited therein) for discourse anaphora can be naturally applied to the issue of a bound variable interpretation as well. The Accessibility theory-based explanation also sheds light on a bound variable interpretation of Chinese ta $\hat{O}/he\tilde{O}$ which has resisted a successful account so far. Furthermore, if we are on the right track, our account provides us with new insights on the nature and relationship of syntax-discourse interface.

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