

Chinantec Problem

The data below are from Comaltepec Chinantec, an Otomanguean language spoken in Oaxaca, Mexico. (Tones have been omitted and do not affect the solution.) The phrase structure rules and some lexical entries and are provided for you. (Problem by Aaron Broadwell. Data adapted from Anderson, Judi Lynn. 1989. *Comaltepec Chinantec syntax*. Dallas, TX: Summer Institute of Linguistics)

Phrase structure rules:

S → (V) (NP) (NP)
↑= ↓ (↑SUBJ) = ↓ (↑OBJ) = ↓

NP → (D) (N)
↑= ↓ ↑= ↓

Lexicon:

han, D
(↑DEF) = –

simi, N
(↑PRED) = 'girl'
(↑ANIM) = +

kú, N
(↑PRED) = 'pig(s)'
(↑ANIM) = +

kuu, N
(↑PRED) = 'money'
(↑ANIM) = –

kató', V
(↑SUBJ ANIM) = –
(↑PRED) = 'fell< (↑SUBJ) >'

kakuë, V
(↑OBJ ANIM) = –
(↑PRED) = 'gave< (↑SUBJ), (↑OBJ) >'

kakuën, V
(↑OBJ ANIM) = +
(↑PRED) = 'gave< (↑SUBJ), (↑OBJ) >'

Data:

1. Kató' hi.
'The book fell.'
2. Kató' kúún.
'Rocks fell.'
3. Katën zii.
'The dog fell.'
4. Katën kú.
'The pig fell.'

5. Katën tuhua'.
'The teacher(s) fell.'
6. Kakuër kuu.
'She/He gave money.'
7. Kakuë han simi kuu.
'A girl gave money.'
8. Kakuën han simi kú.
'A girl gave pigs.'

9. Kakuënr kú.
'She/He gave pigs.'

11. Kakuënr kuä.
'She/He gave horses.'

10. Kakuër kahue.
'She/He gave coffee.'

12. Kakuër hi.
'She/He gave books.'

Part I. Provide lexical entries for the remaining word forms: *kakuënr*, *katën*, *hi*, *kuä*, *kahue*, *kakuër*. Your lexical entries should produce the f-structures below for sentences (8) & (9).

Part II. Provide c-structures and f-structures for examples 1, 7, and 11.

f-structure of sentence (8):

f-structure of sentence (9):

$$\left[\begin{array}{l} \text{SUBJ} \left[\begin{array}{l} \text{PRED 'girl'} \\ \text{ANIM +} \\ \text{DEF -} \end{array} \right] \\ \text{PRED 'gave < (\uparrow \text{SUBJ}), (\uparrow \text{OBJ}) >'} \\ \text{OBJ} \left[\begin{array}{l} \text{PRED 'pigs'} \\ \text{ANIM +} \end{array} \right] \end{array} \right]$$
$$\left[\begin{array}{l} \text{SUBJ} \left[\begin{array}{l} \text{PRED 'pro'} \\ \text{PERS 3} \\ \text{NUM SG} \end{array} \right] \\ \text{PRED 'gave < (\uparrow \text{SUBJ}), (\uparrow \text{OBJ}) >'} \\ \text{OBJ} \left[\begin{array}{l} \text{PRED 'pigs'} \\ \text{ANIM +} \end{array} \right] \end{array} \right]$$

Spanish problem

Bresnan textbook, p. 329-333 Prob. Set P2.1 'Spanish'.

(n.b.: A solution to the Spanish problem appears in the back of the book. Try to solve it on your own first. Various solutions are possible. Warning: The solution in your book has some errors! And it does not account for all the data given in the problem set.)