

# Prosody and Phrase Structure without Labels (E)

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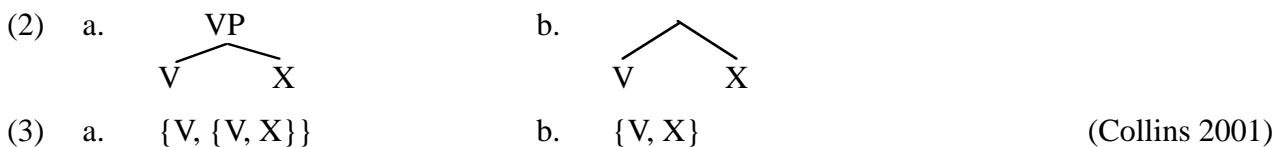
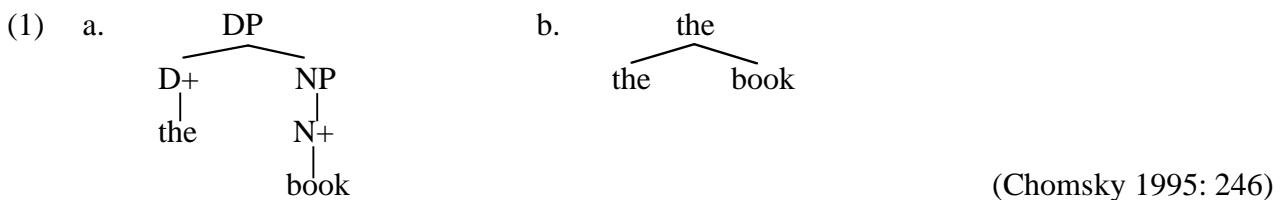
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## 1. Introduction

- The aim of this talk is to show that ..
  - PF-interface does not refer to syntactic labels, contra the phrasing theories based on labels.
  - PF-interface is not a problem for eliminating labels.
- Road map
  - §2. Eliminating labels and PF interface (Collins 2001)
  - §3. Against label-based phrasing (e.g. Selkirk 1986) and direct Spell-Out phrasing
  - §4. Label-free mapping (Tokizaki 1999) and its consequences

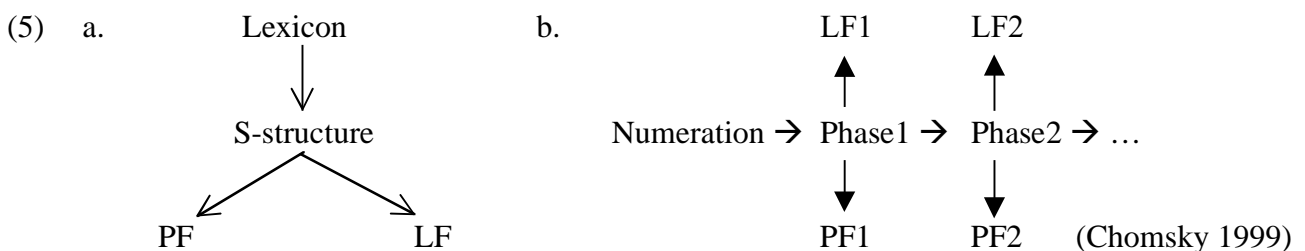
## 2. Eliminating labels and PF interface

- Bare phrase structure: no bar levels and no labels



- The areas where labels have been used
- (4) a. Basic properties of X'-theory
- b. Selection (subcategorization)
- c. Minimal Link Condition
- d. **PF interface: reference to XP?**

## 3. Against label-based theories and direct Spell-Out analyses





### 3.3 Arguments against label-based theories and direct Spell-Out analyses

- An XP or saturated constituent is not always an edge of phonological phrase (Tokizaki 1999).

(14) a. ... [XP ...                      b. ...#[XP [ $\alpha$  ...

(15) Consonant Mutation in Mende (Cowper and Rice 1987: 189)

a. [S [NP ndóláà] [VP wòtéà]] <- pòté ‘turn’  
       baby           turn  
       ‘the baby turned’

b. [S [NP tí] [VP [V kàkpàngà] [PP ngì má]]] -> \*tí gàkpàngà ngì má  
       they       surround       him on  
       ‘they surrounded him’

(16) Italian Stress Retraction (Nespor and Vogel 1986: 175)

a. Le [NP [N cítta] [AP nórdiche]] non mi piacciono. <- cítta  
       ‘I don’t like Nordic cities.’

b. Le [NP [N cítta] [AP [Adv mólto] [A nordiche]]] non mi piacciono. -> \*cítta  
       ‘I don’t like very Nordic cities.’

(17) Rhythm Rule in English (Nespor and Vogel 1986: 178, cf. Inkelas and Zec 1995: 543)

a. John [VP [V pèrseveres] [AdvP gládly]] <- pèrsevéres

b. John [VP [V pèrsevéres] [&P [AdvP gládly] [& and diligently]] -> \*pèrseveres

c. [S [NP Ànnemariè] [VP héard]] <- Ànnemariè

d. [S [NP Ànnemariè] [VP [V héard] [PP about it already]]]

(18) Discourse particle *fa* in Hausa (Zec and Inkelas 1990: 369)

a. \*Ya [VP [V sayi] fa [NP teburin]]  
       he       bought       table-DEF  
       ‘He bought the table.’

b. Ya [VP [V sayi] fa [NP [AP babban] [N tebur]]]  
       he       bought       big       table  
       ‘He bought a big table.’

c. \*Ya [S [VP [V sayi] fa [NP teburin]] [Adv jiya]]  
       he       bought       table-DEF   yesterday  
       ‘He bought the table yesterday.’

(19) a. ... XP] ...                      b. ...  $\alpha$ ] XP]#...

(20) High Deletion in Kinyambo (Bickmore 1990: 14)

a. [S [NP abakózi] [VP bákajúna]] <- abakózi ‘workers’  
       workers       they-helped  
       ‘the workers helped’



- An edge of XP

(29) [<sub>S</sub> [<sub>NP</sub> lao tsim-a-po] # [<sub>PreDP</sub> m̩ [<sub>VP</sub> siong-sin % [<sub>S</sub> [<sub>NP</sub> ying-ko] # [<sub>PreDP</sub> e [<sub>VP</sub> kong-we]]]]]]]  
 old lady not believe parrot can talk

(30) a. // lao tsim-a-po // m̩ / siong-sin // ying-ko // e / kong-we //

b. / lao tsim-a-po / m̩ siong-sin / ying-ko / e kong-we // (n=1)

(31) a. [<sub>VP</sub> [<sub>V</sub> [V pa(:)nzize] [<sub>NP</sub> cho:mbo ] [<sub>NP</sub> mwa:mba ]]

'He ran the vessel on to the rock'

b. /// pa(:)nzize // cho:mbo /// mwa:mba //

c. / pa(:)nzize cho:mbo / mwa:mba (n=2)

- Branching vs. non-branching

(32) a. ... [ ... or ... ] ... b. ...#[ [ ... or ... ] ]#...

(33) a. ... / ... b. ... // ...

(34) a. ... ... (n=1) b. ... / ... (n=1)

(35) a. [<sub>S</sub> [<sub>NP</sub> ndóláà] [<sub>VP</sub> wòtéà]] <- pòté 'turn'

b. [<sub>S</sub> [<sub>NP</sub> tí] [<sub>VP</sub> [V kàkpángà] [<sub>PP</sub> ngì má]]] -> \*tí gàkpángà ngì má

(36) a. // ndóláà // wòtéà //

b. // tí /// kàkpángà // ngì má ///

(37) a. ndóláà wòtéà (n=2)

b. tí / kàkpángà ngì má (n=2)

- Variable phrasing

(38) a. [<sub>CONJP</sub> [<sub>CONJ</sub> [<sub>CONJ</sub> Se [<sub>IP</sub> [<sub>V</sub> prenderá] [<sub>N</sub> qualcosa]]] [<sub>IP</sub> [<sub>V</sub> prenderá] [<sub>N</sub> tordi]]]  
 if catch(fut) something catch(fut) thrushes

b. /// Se // prenderá // qualcosa //// prenderá // tordi ///

(39) a. // Se / prenderá / qualcosa //// prenderá / tordi // (n=1)

b. / Se prenderá qualcosa /// prenderá tordi / (n=2)

- Prosodic categories higher than phonological phrase

(40) a. [[[In] [Pakistan]] [[Tuesday] [[is] [[a] [holiday]]]]]]

b. /// In // Pakistan //// Tuesday /// is /// a // holiday ////

(41) a. In Pakistan Tuesday is a holiday / (n=4) utterance

b. In Pakistan / Tuesday is a holiday // (n=3) intonational phrase

c. / In Pakistan // Tuesday / is / a holiday /// (n=2) phonological phrase

d. // In / Pakistan /// Tuesday // is // a / holiday //// (n=1) prosodic word

- More consequences: speech rate, constituent length, Heavy NP Shift, .. (Tokizaki 2000, 2004a)

## 5. Conclusion

- If you want to eliminate labels, don't worry about PF-interface. Go for it!

### Appendix: Focus, givenness, and prosody

(42) A: Alice hates hamsters?

B: Alice LOVES hamsters!

(43) A. Lex{Alice, hamsters, hate, love, ...} -> Num{Alice, hamsters, hate}

B. Lex{Alice, hamsters, hate, love, ...} -> Num{Alice, hamsters, love}

(44) [[Alice] [[loves] [hamsters]]]

- No F-marking and no Focus Projection, contra Selkirk (1984). Stay tuned ... (Tokizaki 2004b).

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