23 Phonology: Rules & Representations

23.1 Rule Boundaries

(1) Some boundaries
   a. Word boundary: CVC#
   b. Syllable boundary: CVσ or CV]
   c. Morpheme boundary: CV]
   d. 0 or more: C_0
   e. Optional segment: (C)C
   f. Optional Rule: \{ \overbrace{x}^{y} \}

(2) Deletion and Epenthesis
   a. Deletion: \sigma \rightarrow \emptyset /C_0\sigma C_0 \ V
   \ \ \ [+\text{Stress}]
   b. Epenthesis: \emptyset \rightarrow \sigma /\sigma[C_0\ C]
   \ \ \ [+\text{Lateral}]

(3) Sonorant Devoicing
   a. /l/ \rightarrow [-\text{voice}] / C \ V
   \ \ \ [-\text{Voice}, -\text{Continuant}]

23.2 Representations and Derivations

(4) Underlying Representations:
   a. Phonemic representation.

(5) Surface Representations:
   a. Phonetic Representation.

(6) Derivations:
   a. Ordering of rules for the UR \rightarrow SR

(7) UR \rightarrow SR
   a. /p\text{ð}l\text{í}s/ \rightarrow [pl\text{í}s]

(8) Possible Derivation 1
   1. Devoicing: —
   2. Deletion: pl\text{í}s
      SR: Not the correct representation

(9) Possible Derivation 2
   1. Deletion: pl\text{í}s
   2. Devoicing: pl\text{í}s
      SR: correct representation