

Classify words by  
morpho-phonological structure

**Classify word (morphology)**

Lexical class (N, V, Adj, ...)

Morphological complexity

⋮

**Classify word (phonology)**

Length (TBU)

Syllabic structure

Stress assignment

Segmental structure

⋮

UNCLASSIFIED  
WORDS

WORD CLASSES  
(Substitution lists)

Class 1

Class 2

Class 3

Class 4

⋮

Class  $i$

⋮

Class  $n$

Classify substitution items by pitch  
in controlled contexts

for a WORD CLASS  $\mathcal{W}_\gamma$ :

**Choose substitution frame**

for  $\mathcal{W}_\gamma$

Pragmatic context

Prosodic position for word

⋮

Sort items in word class  $\mathcal{W}_\gamma$  (substitution list)  
into groups by pitch contour

TONE CLASSES  
(Tentative)

REPEAT FOR EACH  
SUBSTITUTION FRAME  $\mathcal{F}_j$   
for WORD CLASS  $\mathcal{W}_\gamma$