LINGUISTICS 321

LECTURE #4

Phonology

Review: Part IV.

Distinctive Features: Redundancy

1. Segment redundancy

SPANISH:

Redundant Values:

- b. [+ low]

 ↓

 [-high]
- c. [- back]↓[- round]

Redundant values: *Predictable* on the basis of values for other features.

Redundant features may be important when we need to make reference to a natural class comprising several segments.

e.g., If we want to refer to a class containing all vowels except /a/

or: If we want to refer to a class containing

But: If we want to refer to one particular segment, the non-redundant values have to be used.

Language-specific and universal redundancies

Language-specific redundancies exist because all combinations of features are not always utilized.

e.g., Hungarian voiceless stops:

The features [anterior] and [coronal] are maximally utilized.

BUT: English voiceless stops

Since velars are the only stops in English which are [- anterior], it follows that they are also [- coronal]; similarly, because alveolars are the only stops that are [+ coronal], a [+ coronal] stop must also be [+ anterior].

Universal redundancies express co-occurrence restrictions on combinations of features.

SPANISH VOWELS (Version #2)

QUESTION:

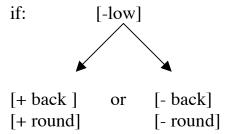
Should we predict the *frontness/backness* on the basis of *roundness/unroundness*

or

Should we predict the *roundness/unroundness* on the basis of *frontness/backness*?

Which feature is more basic?

Assumption: neither feature determines the other; rather the two features agree with one another; this means that we cannot state that one of them is the distinctive feature (= the basic one) and the other is the redundant feature.



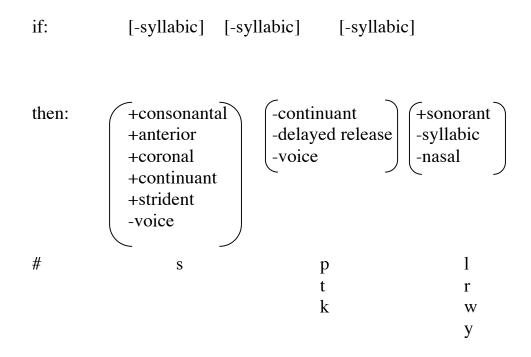
2. Sequence redundancy

English morphemes may begin with zero, one, two or three consonants: *it, pit, spit, split*

There are no words beginning with four or more consonants: *splrit

Sequential contrasts are language specific.

#([-syllabic])([-syllabic])([-syllabic])



Not all of these combinations are utilized, e.g. stl, stw