

Grammatical conditioning

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Mid-vowel laxing in Portuguese nouns

Singular	Plural
olho [oʎu] 'eye'	olhos [ɔʎuz] 'eyes'
ovo [ovu] 'egg'	ovos [ɔvuz] 'eggs'
povo [povu] 'people'	povos [povuz] 'peoples

Portuguese nouns

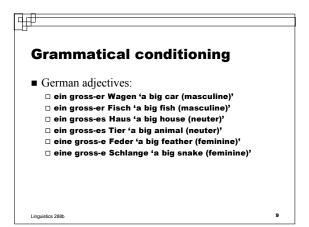
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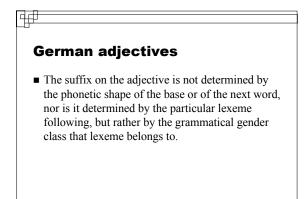
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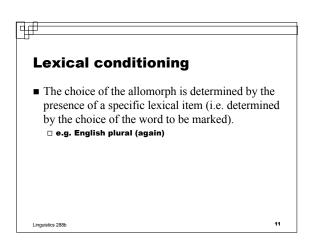
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• The tenseness of the vowel in the root is determined by whether the plural affix is attached or not.







ical co	onditioni	ng: Englis
ral		
dog		dogs
cat		cats
ox	oxen	?oxes
tooth	teeth	*tooths

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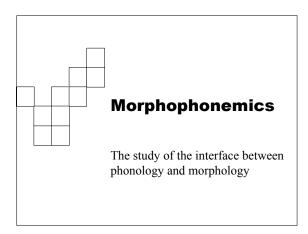
English plural

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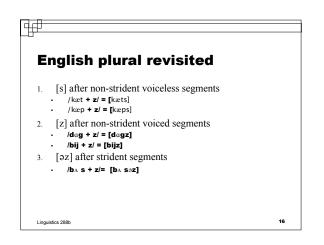
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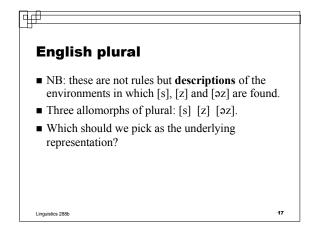
- There are distinct (i.e. not phonologically related) allomorphs of plural that are required by certain lexical items.
- Notice that phonologically conditioned allomorphy operates on specific bundles of phonological material, while grammatical and lexical conditioning may relate forms that are totally unrelated from a phonological perspective (e.g. suppletion).

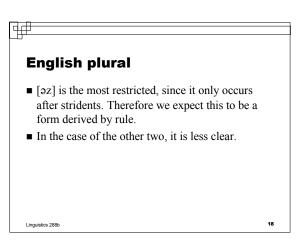
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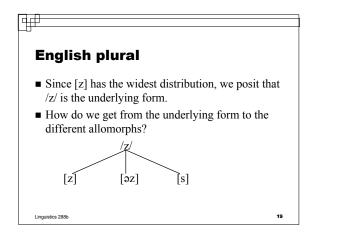


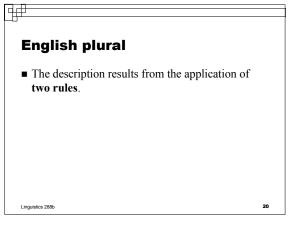
Englis	h plural revi	sited
dog	dogs	[dagz]
cat	cats	[kæts]
rose	roses	[rowzəz]
tree	trees	[trijz]

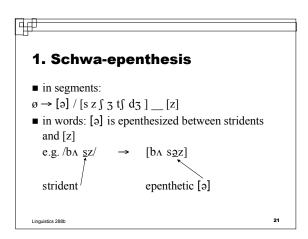


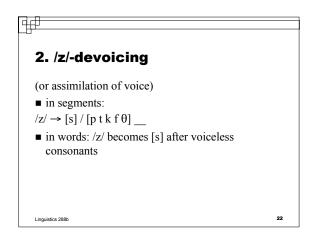


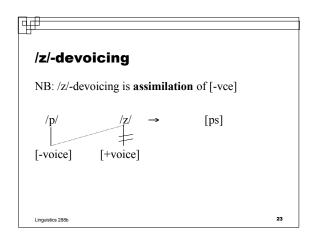


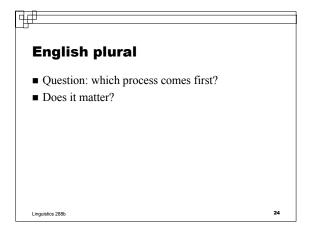












Sample	e deriv	ation		
UR:	/kæt/+/z/	/dag/+/z/	/rowz/+/z/	/hərs/+/z/
ə-insertion	n/a	n/a	rowząz	hərsəz
devoicing	kæts	n/a	n/a	n/a
Output:	[k ^h æts]	/dagz/	[rowzəz]	[hərsəz]
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Sample	e deriv	ation		
UR:	/kæt/+/z/	/dag/+/z/	/rowz/+/z/	/hors/+/z/
devoicing	kæts	n/a	n/a	hərss
ə-insertion	n/a	n/a	rowząz	hərsəs
Output:	[k ^h æts]	/dagz/	[rowzəz]	[horsəs]

Gloss

'drink'

'weep'

'see'

'surround'

Nominal

inumaŋa

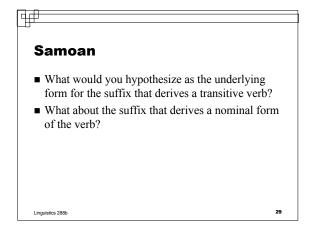
taŋisaŋa

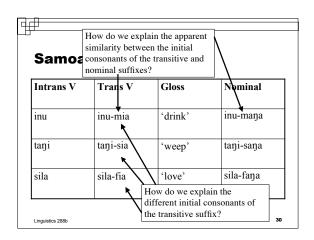
silafaŋa

siomaŋa

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4 **English plural** Samoan ■ What if we pick /s/ as the underlying form? Intrans V Trans V • In the case of this process, it is possible to derive inu inumia the correct outputs whichever UR we choose to start with. taŋi taŋisia • We use slightly different rules, but the results are the same. sila silafia Does this mean it never matters which underlying representation we pick? sio siomia 27 Linguistics 288b Linguistics 288b





Samoan

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- The most straightforward analysis is to assume that there is a final consonant in the root morpheme.
- We get a uniform treatment of the affixes if we suppose that the consonants are part of the root, not part of the suffixes.
- We also explain why the same consonant occurs with both suffixes for a given root.

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Samoan

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Intrans V	Trans V	Nominal
inum	-ia	-aŋa
taŋis	We can postula that deletes a v	ate a phonological rule
silaf	$C \rightarrow \emptyset / _ #$	
siom		