Week 4 LING 105: Morphology Apr. 28, 2023

Review 1

- · Concatenative morphology: pospheres can be acceled to each other to fair per words e.g. /kat/- + -/s/=<cats>
- · Non-concatenative morphology: every ling else e.g. /'fut/ - /'fi:t/
- · Concatenative patterns can be described by affixation and compounding
 - Affixation:

What is the combinatory potential of an affix? Is it (entirely) predicted from an affix's meaning? $\Rightarrow \mathcal{N}_3$ The types of words office can attach to

- (1) Negative <un>- Rule -> adj. [] => [[]] => [[]] => [[]] => [[]] => [[]] => [] =>
- (3) <re>- Rule (よ)、つ [たい]、
- Compounding: two stems (base lexemes) are concatenated to form a complex word (lexeme).
 - (4) English N+N Compounding Rule ン (メ)カー(メン) ン にょりゃしゃょりゃしゃ
 - (5) English N+V Compounding Rule $\rightarrow [\times,]_{\omega} + [\times,]_{\omega} [(\times,]_{\omega} [\times,]_{\omega}]_{\omega}$
 - * Which lexeme is the head? first one
- · Reduplication:
 - (6) Malagasy: full reduplication for adjectives

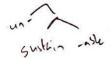
'big, numerous'	be-be	'fairly big, numerous'	
		'whitish'	
		'somewhat stinky'	
CONTRACTOR OF THE PARTY OF THE		'somewhat different'	
ameren	(Keenan and Polinsky 1998: 571)		
	'big, numerous' 'white' 'stinky' 'different'	'stinky' maimbo-maimbo 'different' hafa-hafa	

(7) Ponapean: partial reduplication for verbs

dulip	'dive'	du-dulip	'be diving'
milık	'suck'	mi-milik	'be sucking'
wehk	'confess'	we-wehk	'be confessing'

· Morphological rules:

- Morpheme-based model: morphological rules combine morphemes in much the same way that syntactic rules combine words
 - Word-structure rules:



- (8) Derive the following words using word-structure rule
 - a. unsustainable
 - b. gingerbread
- * Alternative formalism for word-structure: all morphological properties are reduced to the description of the lexical entries of morphemes

a. bag	bs	c. happy	d. un-
/bæg/	/z/	/hæpi/	/An/
N	N —	Α	_A
l'bag']	l'plural'	l'happy'	'not'

- * What are some advantages and limits of morpheme-based model? Hard for non-condensative petterns
- Word-based model: morphological relationship between complex words is captured by word-schemas which represent their morphological similarities

 - a. Words: bag, key, god, rib, bone, gem, ...

 b. Lexical entries

 [/bæg/N]

 [/khij/N]

 [/gud/N]

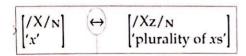
 [/rib/N]

 ('tib')

 c. Word-schema

 [/X/N]

 ['x']
 - $\rightarrow\,$ the morphological relationship between these sets



- · What are the advantages and limits of word-based model?
 - (9) Formulate the morphological rule in the word-based model for the following pairs of words
 - a. name-rename
 - b. reason-reasonable
 - c. reasonable-unreasonable
 - d. unreasonable-unreasonably

2 Puzzle

Formulate the morphological rule for the following Tagalog lexeme

		0	
pairs: búhay	'life'	buháy	'alive'
gútom	'hunger'	gutóm	'hungry
tákot	'fear'	takót	'afraid'
hába?	'length'	habá?	'long'
oálit	'anger'	oalít	'angry'