

# LING 303 Phonology I



UNIVERSITY OF  
CALGARY

# [Today

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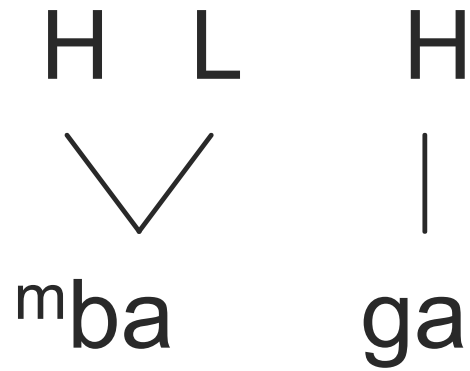
- [±upper register] (H/L) ctd.
  - Downstep ctd.
  - Tonal melodies
  - Dissimilation

# [ Downstep in Tiv (Nigeria) ]

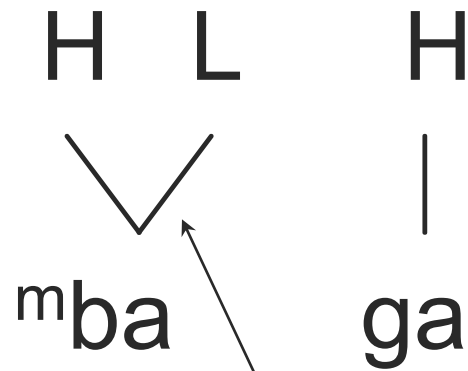
H L  
↘ ↙  
m<sup>h</sup>ba

A falling  
contour.

# [ Downstep in Tiv (Nigeria) ]

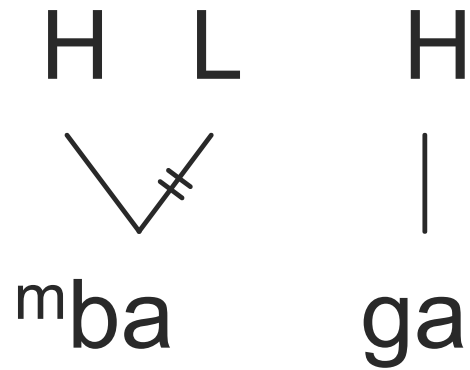


# [ Downstep in Tiv (Nigeria) ]

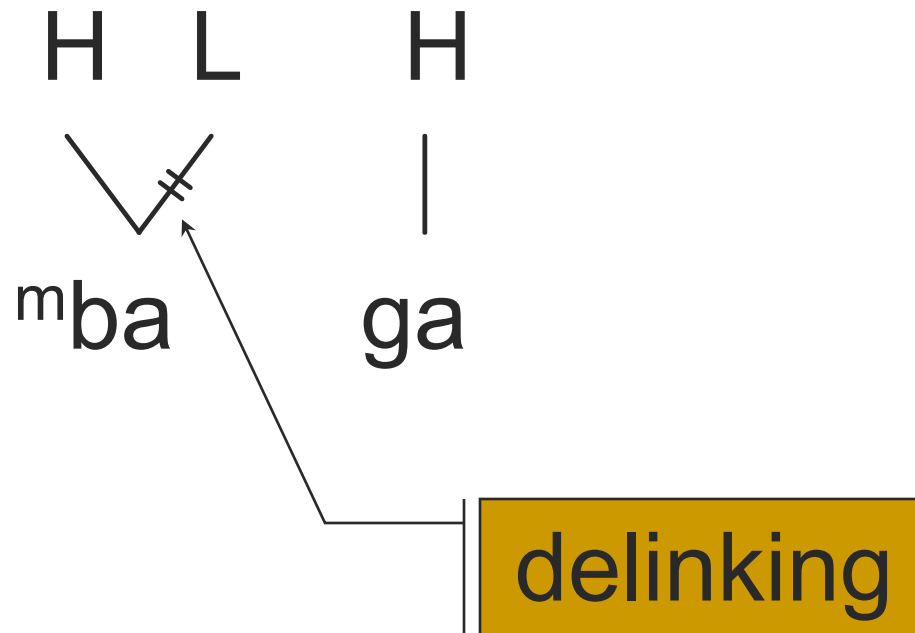


Contours aren't allowed inside phrases in Tiv.

# [ Downstep in Tiv (Nigeria) ]



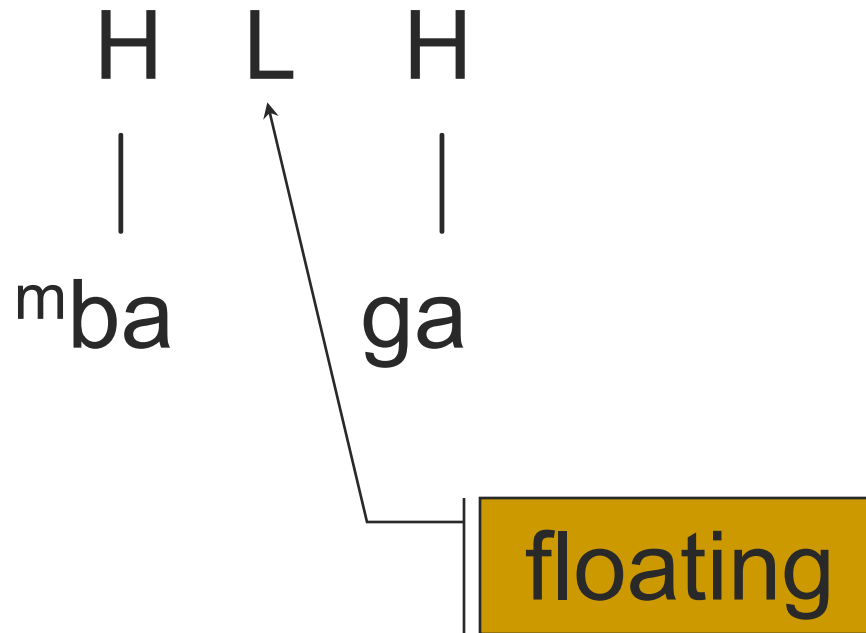
# [ Downstep in Tiv (Nigeria) ]



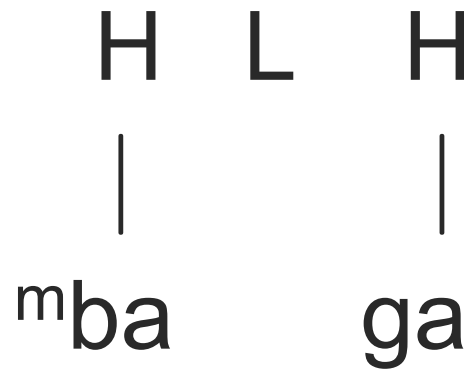
# [ Downstep in Tiv (Nigeria) ]

H L H  
| |  
<sup>m</sup>ba ga

# [ Downstep in Tiv (Nigeria) ]

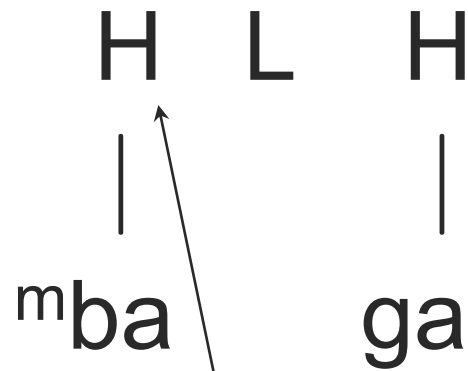


# [ Downstep in Tiv (Nigeria) ]



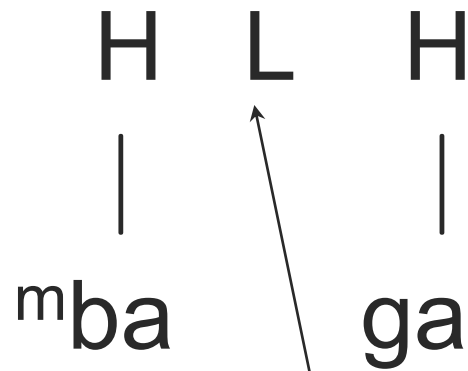
This H is a little lower ...

# [ Downstep in Tiv (Nigeria) ]



... than  
this H ...

# [ Downstep in Tiv (Nigeria) ]



... because  
of this L.

# [ Kipare (Benin) ]

kílá kàhándì → kílá ! káhándì  
'each knife'

vánà vé!kíràfínd<sup>3</sup>ijà → vá!ná vé!kíràfínd<sup>3</sup>ijà  
'the children were sleeping'

tètúfíníkírè júvè → tètúfíníkí!ré júvè  
'we didn't cover the baboon'

# [ Mende (Sierra Leone) ]

H	kó	‘war’
L	kpà	‘debt’
HL	<sup>m</sup> bû	‘owl’
LH	<sup>m</sup> bă	‘rice’
LHL	<sup>m</sup> ba	‘companion’

# [ Mende (Sierra Leone) ]

H	kó	‘war’	pélé	‘house’
L	kpà	‘debt’	bèlè	‘trousers’
HL	<sup>m</sup> bû	‘owl’	<sup>ŋ</sup> gílà	‘dog’
LH	<sup>m</sup> bă	‘rice’	fà <sup>n</sup> dé	‘cotton’
LHL	<sup>m</sup> ba	‘companion’	njàhâ	‘woman’

# [ Mende (Sierra Leone) ]

H	kó	‘war’	pélé	‘house’	háwámá	‘waistline’
L	kpà	‘debt’	bèlè	‘trousers’	kpàkàlì	‘tripod chair’
HL	<sup>m</sup> bû	‘owl’	<sup>ŋ</sup> gílà	‘dog’	félàmà	‘junction’
LH	<sup>m</sup> bă	‘rice’	fà <sup>n</sup> dé	‘cotton’	<sup>n</sup> dàvúlá	‘sling’
LHL	<sup>m</sup> ba	‘companion’	njàhâ	‘woman’	nìkílì	‘groundnut’

# [ Mende (Sierra Leone) ]

H L  
└─┬─  
m<sup>h</sup>bu  
'owl'

H L  
| |  
ŋ<sup>h</sup>gi la  
'dog'

H L  
| | \\  
fe la ma  
'junction'

# [ Mende (Sierra Leone)

‘in ...’

kó	‘war’	kó hú
pélé	‘house’	pélé hú
<sup>m</sup> bă	‘rice’	<sup>m</sup> bă hú
bèlè	‘trousers’	bèlè hù
<sup>m</sup> bû	‘owl’	<sup>m</sup> bû hù

# [ Mende (Sierra Leone)

‘on ...’

kó	‘war’	kó má
pélé	‘house’	pélé má
<sup>m</sup> bă	‘rice’	<sup>m</sup> bă má
bèlè	‘trousers’	bèlè mà
<sup>m</sup> bû	‘owl’	<sup>m</sup> bû mà

# [ Marghi (Nigeria) ]

/tá-na/ → [táná] ‘cook and put  
aside’

/<sup>n</sup>dàl-na/ → [<sup>n</sup>dàlnà] ‘throw away’

# [ Marghi (Nigeria) ]

/d̪əl-bá/ → [d̪élbá] ‘buy’

/<sup>n</sup>dàl-bá/ → [<sup>n</sup>dàlbá] ‘throw out’

/tá-bá/ → [tábá] ‘cook all’

# [ Marghi (Nigeria) ]

/skə-dà/ → [skədà] ‘wait for me’

/ná-dà/ → [nádà] ‘give me’

/hèr-dà/ → [hèrdà] ‘bring me’

# [ Marghi (Nigeria)

á- wì <sup>n</sup>dá                    ‘they run’  
tense-run 3pl

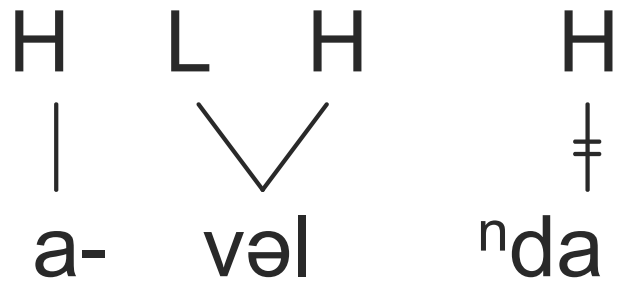
á- vǎl <sup>n</sup>dà                    ‘they fly’  
tense-fly 3pl

à- sá <sup>n</sup>dà                    ‘they err’  
tense-err 3pl

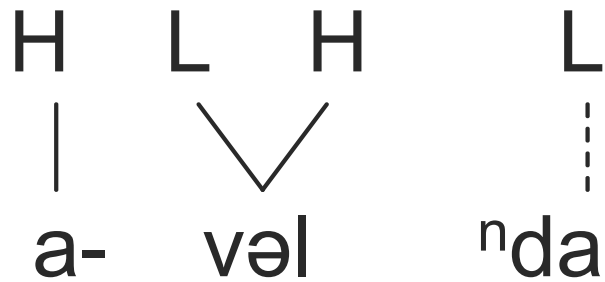
# [ Marghi (Nigeria) ]

H    L    H    H  
|    \    /    |  
a-    vəl    <sup>n</sup>da

# [ Marghi (Nigeria) ]



# [ Marghi (Nigeria) ]



# [ Shona (Zimbabwe)

‘with ...’

mbwá	‘dog’	né-mbwa
hóvé	‘fish’	né-hove
mbúndúdzí	‘army worm’	né-mbundudzi
hákátá	‘diviner’s bones’	né-hakata
bénzíbunzá	‘inquisitive fool’	né-benzibunzá

# [ Shona (Zimbabwe) ]

H  
|  
mbwa  
'dog'

# [ Shona (Zimbabwe) ]

H	H
ne-	mbwa
'with'	'dog'

# [ Shona (Zimbabwe) ]

H  
|  
ne-      mbwa  
'with'    'dog'

# [ Shona (Zimbabwe) ]

H	L
	⋮
ne-	mbwa
'with'	'dog'

# [ Shona (Zimbabwe) ]

‘with ...’

mbwá	‘dog’	né-mbwa
hóvé	‘fish’	né-hove
mbúndúdzí	‘army worm’	né-mbundudzi
hákátá	‘diviner’s bones’	né-hakata
bénzíbunzá	‘inquisitive fool’	né-benzibunzá

# [ Shona (Zimbabwe) ]

H



hakata

'diviner's bones'

# [ Shona (Zimbabwe) ]

H  
|  
ne-  
'with'

H  
└─┬─  
| / \  
hakata  
'diviner's bones'

# [ Shona (Zimbabwe) ]

H  
|  
ne-      hakata  
'with'    'diviner's bones'

# [ Shona (Zimbabwe) ]

H

|

ne-

‘with’

L

hakata

‘diviner’s bones’

# [ Shona (Zimbabwe) ]

‘with ...’

mbwá	‘dog’	né-mbwa
hóvé	‘fish’	né-hove
mbúndúdzí	‘army worm’	né-mbundudzi
hákátá	‘diviner’s bones’	né-hakata
bénzíbunzá	‘inquisitive fool’	né-benzibunzá

# [ Shona (Zimbabwe) ]

H                      H  
   $\wedge$                       |  
benzibvunza  
'inquisitive fool'

# [ Shona (Zimbabwe) ]

H      L H  
   $\wedge$     | |  
benzibvunza  
'inquisitive fool'

# [ Shona (Zimbabwe) ]

H                      H  
   $\wedge$                       |  
benzibvunza  
'inquisitive fool'

# [ Shona (Zimbabwe) ]

H  
|  
ne-  
'with'

H      H      H  
  \    /    |  
  ^    ^    |  
benzibvunza  
'inquisitive fool'

# [ Shona (Zimbabwe) ]

H  
|  
ne-  
'with'

H  
|  
benzibvunza  
'inquisitive fool'

# [ Shona (Zimbabwe) ]

H  
|  
ne-  
'with'

L H  
/ \
benzibvunza  
'inquisitive fool'

# [ Shona (Zimbabwe) ]

‘with ...’

mbwá	‘dog’	né-mbwa
hóvé	‘fish’	né-hove
mbúndúdzí	‘army worm’	né-mbundudzi
hákátá	‘diviner’s bones’	né-hakata
bénzíbunzá	‘inquisitive fool’	né-benzibunzá

# [ Standard Chinese ]

má 'mother' H

mà 'horse' L

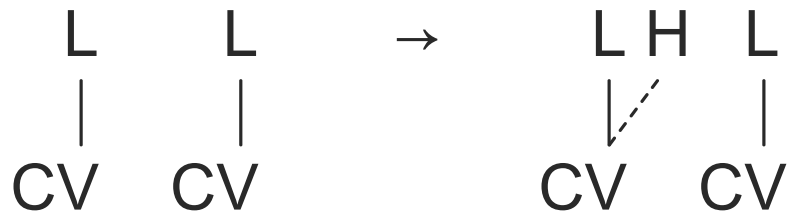
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mǎ 'hemp' LH

mâ 'scold' HL

# Standard Chinese

- Yip (2003:181): “When two of these [L] tones come together, the first changes to the high rising ‘second tone’: *lào lì* → *lǎo lì* ‘Old Li’. The change is clearly dissimilatory ...: L.L → LH.L.”



# [ Standard Chinese ]

mì-t<sup>6j</sup>òu → mǐ-t<sup>6j</sup>òu 'rice-wine'

nì xào → nǐ xào 'you good' (how are you?)

mài mà: → mǎi mà: 'buy a horse'

# [ Standard Chinese ]

mì-t<sup>6j</sup>òu → mǐ-t<sup>6j</sup>òu 'rice-wine'

nì xào → nǐ xào 'you good' (how are you?)

mài mà: → mǎi mà: 'buy a horse'

mǎi mà: → mǎi mà: 'bury a horse'

# [ The end of the course is nigh ]

- Wed: Last feature [ $\pm$ raised pitch]
- Fri: Review for final exam
- Mon: Mock final exam; Ast. 3 due