Class 22
Process Interaction in OT

4/6/2022

1   Lithuanian voicing assimilation revisited

- Once again, let's consider voicing assimilation in Lithuanian:

(1)   Voicing assimilation in Lithuanian prefixes

at-eiti	'to arrive'	ad-bekti	'to run up'
at-imti	'to take away'	ad-gauti	'to get back'
at-neʃti	'to bring'	ad-bukti	'to become blunt'
at-leisti	'to forgive'	ad-gimti	'to be born again'
at-likti	'to complete'		
at-koːpti	'to rise'		
at-praʃiːti	'to ask'		
at-kurti	'to reestablish'		

ap-eiti	'to circumvent'	ab-gauti	'to deceive'
ap-ieʃkoːti	'to search everywhere'	ab-ʒʲureti	'to have a look at'
ap-akti	'to become blind'	ab-ʒʲelti	'to become overgrown'
ap-moːkiːti	'to train'	ab-dauʒʲiːti	'to damage'
ap-temdiːti	'to obscure'	ab-draskiːti	'to tear'
ap-ʃaukti	'to proclaim'		

(2)   Generalizing voicing assimilation in Lithuanian

a.	/at-gal/ → [ad-gal]	'back'
b.	/kas-davoː/ → [kaz-davoː]	'dug'
c.	/dirb-ti/ → [dirp-ti]	'to work'
d.	/deg-ti/ → [dek-ti]	'to burn'

- Based on the data in (2), we determined that the voicing assimilation rule needed to be symmetrical, and repair any obstruent sequence that would disagree in voice:

(3)   **Symmetric voicing assimilation in Lithuanian:** /−sonorant/ → [αvoice] / _ [αvoice,−sonorant]

★ Re-write this rule using the modified rule notation I introduced last time:

(4)   X → Y / C_D   ≈   CXD → CYD

★ Use these two different rule formats to identify the **markedness** constraint that is being *fixed* by assimilation, and the **faithfulness** constraint being *violated* by assimilation.

- Determine how these constraints need to be ranked in order to generate voicing assimilation.
- Using a tableau, demonstrate how this ranking generates /deg-ti/ → [dek-ti].

2   More Lithuanian, with a twist

- So then what's going on with this data?

(5)   More Lithuanian

/at-teisti/	→ [ati-teisti]	(*[at-teisti])	'to adjudicate'
/at-duoti/	→ [ati-duoti]	(*[at-duoti], *[ad-duoti])	'to give back'
/ap-puti/	→ [api-puti]	(*[ap-puti])	'to grow rotten'
/ap-berti/	→ [api-berti]	(*[ap-berti], *[ab-berti])	'to strew all over'

- What is the conditioning environment for this insertion?
- How does this interact with voicing assimilation?