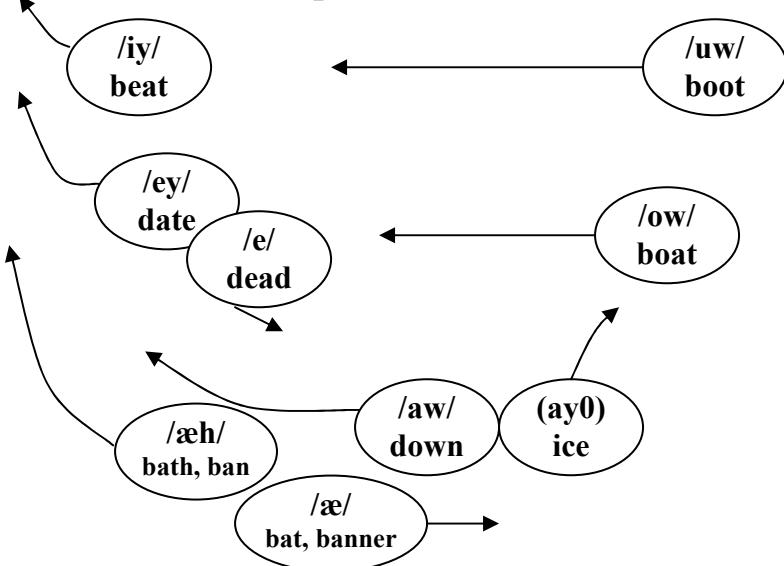


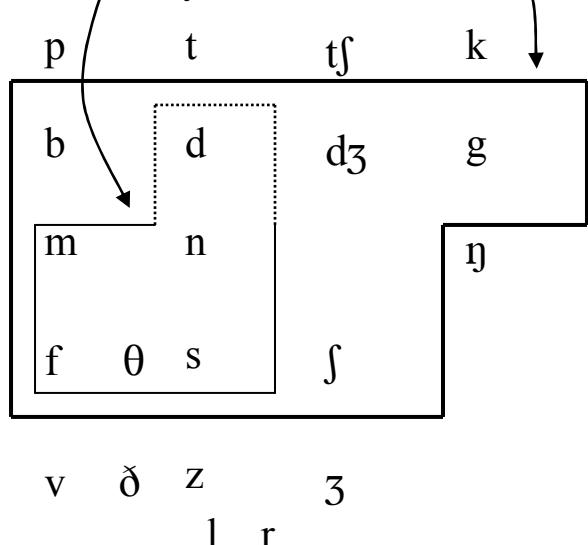
The Labovian Vowel System (Labov, 1994, p. 163) (IPA in [ ]s)

SHORT		UPGLIDING		INGLIDING	
FRONT		BACK			
i [ɪ]	u [ʊ]	iy [iy]	iw [(y)iw]	uw [uw]	ih [ɪə]
e [ɛ]	ʌ [ʌ]	ey [ey]	oy [oy]	ow [ow]	eh [ɛə]
æ [æ]	o [ɑ]	ay [ay]	aw [aw]		æh [ɛə], [eə]
					ah [aə]

Philadelphia Vowel Shifts



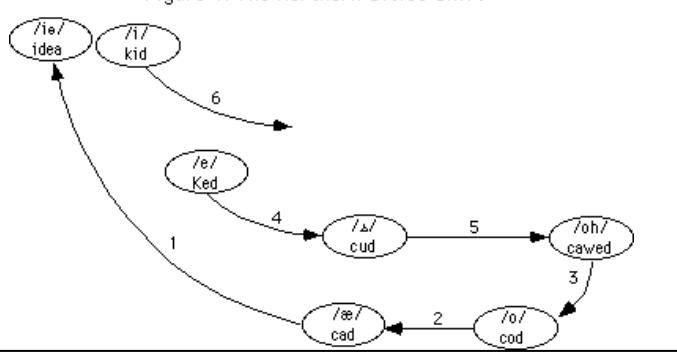
Short-a Tensing Conditions in Philly and New York



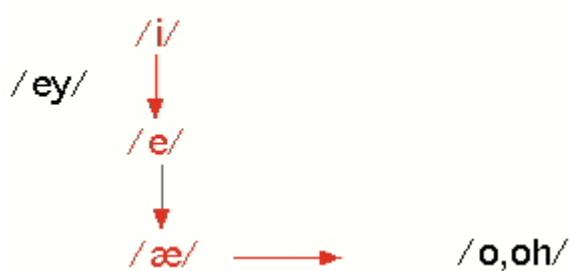
Other Philadelphian shifts:

ahr → ohr, ohr → uhr, oy → uy, oh → oə/uə

Figure 1. The Northern Cities Shift



The Canadian Shift



The Southern Shift

Figure 3. The Southern Shift

