

[kola]	'do'	[wuli.ɪa]	'hear'
[lwana]	'fight'	[bee.ɪa]	'help'
[buuli.ɪa]	'tell'	[jjuki.ɪa]	'remember'
[lja]	'eat'	[e.ɪjato]	'canoe'
[luula]	'sit'	[omuli.ɪo]	'fire'
[omugole]	'bride'	[effi.ɪimbi]	'whistle'
[lumonde]	'sweet potato'	[emmee.ɪ]	'ship'
[eddwali.ɪo]	'hospital'	[e.ɪaddu]	'lightening'
[oluganda]	'Ganda'	[wawaabi.ɪa]	'accuse'
[olulimi]	'tongue'	[lagi.ɪa]	'command'

Compare $\left[\begin{array}{c} +\text{coronal} \\ +\text{sonorant} \\ -\text{nasal} \\ -\text{lateral} \end{array} \right]$ to $\left[\begin{array}{c} +\text{coronal} \\ +\text{sonorant} \\ -\text{nasal} \\ +\text{lateral} \end{array} \right]$

[kola]	‘do’	[wuli.ɪa]	‘hear’
[lwana]	‘fight’	[bee.ɪa]	‘help’
[buuli.ɪa]	‘tell’	[jjuki.ɪa]	‘remember’
[lja]	‘eat’	[eɪjato]	‘canoe’
[luula]	‘sit’	[omuli.ɪo]	‘fire’
[omugole]	‘bride’	[effi.ɪimbi]	‘whistle’
[lumonde]	‘sweet potato’	[emmee.ɪ]	‘ship’
[eddwali.ɪo]	‘hospital’	[eɪaddu]	‘lightening’
[oluganda]	‘Ganda’	[wawaabi.ɪa]	‘accuse’
[olulimi]	‘tongue’	[lagi.ɪa]	‘command’

After [l] : a, w, i, j, e, u

After [ɪ] : a, o, j, i

Overlapping distribution.

[kola]	‘do’	[wuli.ɪa]	‘hear’
[lwana]	‘fight’	[bee.ɪa]	‘help’
[buuli.ɪa]	‘tell’	[jjuki.ɪa]	‘remember’
[lja]	‘eat’	[eɪjato]	‘canoe’
[luula]	‘sit’	[omuli.ɪo]	‘fire’
[omugole]	‘bride’	[effi.ɪimbi]	‘whistle’
[lumonde]	‘sweet potato’	[emmee.ɪ]	‘ship’
[eddwali.ɪo]	‘hospital’	[eɪaddu]	‘lightening’
[oluganda]	‘Ganda’	[wawaabi.ɪa]	‘accuse’
[olulimi]	‘tongue’	[lagi.ɪa]	‘command’

Before [l] : o, #, uu, a

Before [ɪ] : i, ee, e

Complementary distribution! This would be explained if there was a phonological rule in Ganda that converted all the /l/s to [ɪ]s, or all the /ɪ/s to [l]s, when they follow a certain kind of sound.

[kola] 'do'
 [lwana] 'fight'
 [buuli:ɔ] 'tell'
 [lja] 'eat'
 [luula] 'sit'
 [omugole] 'bride'
 [lumonde] 'sweet potato'
 [eddwali:ɔ] 'hospital'
 [oluganda] 'Ganda'
 [olulimi] 'tongue'

[wuli:ɔ] 'hear'
 [bee:ɔ] 'help'
 [jjuki:ɔ] 'remember'
 [eɪjato] 'canoe'
 [omuli:ɔ] 'fire'
 [effi:ɪmbi] 'whistle'
 [emmee:ɪ] 'ship'
 [eɪaddu] 'lightening'
 [wawaabi:ɔ] 'accuse'
 [lagi:ɔ] 'command'

$/ɪ/ \rightarrow [l] / \left\{ \begin{array}{l} [o] \\ \# \\ [uu] \\ [a] \\ [u] \end{array} \right\} \text{---}$

OR: $/l/ \rightarrow [ɪ] / \left\{ \begin{array}{l} [i] \\ [e] \\ [ee] \end{array} \right\} \text{---}$

[kɔla]	‘do’	[wuli:ɔ]	‘hear’
[lwana]	‘fight’	[bee:ɔ]	‘help’
[buuli:ɔ]	‘tell’	[jjuki:ɔ]	‘remember’
[lja]	‘eat’	[e:ɟato]	‘canoe’
[luula]	‘sit’	[omuli:ɔ]	‘fire’
[omugole]	‘bride’	[effi:ɟimbi]	‘whistle’
[lumonde]	‘sweet potato’	[emmee:ɟi]	‘ship’
[eddwali:ɔ]	‘hospital’	[e:ɟaddu]	‘lightening’
[oluganda]	‘Ganda’	[wawaabi:ɔ]	‘accuse’
[olulimi]	‘tongue’	[lagi:ɔ]	‘command’

$\left[\begin{array}{l} +\text{coronal} \\ +\text{sonorant} \\ -\text{nasal} \\ +\text{lateral} \end{array} \right] \rightarrow \left[-\text{lateral} \right] / \left[\begin{array}{l} -\text{consonantal} \\ +\text{vocalic} \\ +\text{front} \end{array} \right] \text{---}$