Nasalizacion progresiva

NVV

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | a | a'a | i | i'i | u | u'u |
| 1.1 |  | na'1a1 |  |  |  |  |
| 3.3 |  | ma'3a3 |  |  | nu3u3 |  |
| 4.4 |  |  | ni4i4 | ni'4i4 | nu4u4 | nu'4u4 |
| 3.2 |  | na'3a2 |  |  | ñu3u2 | nu'3u2 |
| 4.2 |  | na'4a2 (tu4ni1) |  |  |  |  |
| 1.3 |  | ña'1a3 |  | ni'1i3 |  | nu'1u3 |
| 1.4 | ña1a4 |  | ni1i4 | ni'1i4 | ñu1u4 |  |
| 3.4 | na3a4 | na'3a4  ña'3a4 | ni3i4 |  |  | ñu'3u4 |

ndVV and ndV'V

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | a | a'a | i | i'i | u | u'u |
| 1.1 | nda1a1 | nda'1a1 |  | ndi'1i1 |  | ndu'1u1 |
| 3.3 | nda3a3 |  |  | ndi'3i3 |  |  |
| 4.4 | nda4a4 |  |  | ndi'4i4 | ndu4u4 |  |
| 3.2 | nda3a2 | nda3'a2 | ndi3i2 |  | ndu3u2 |  |
| 4.2 | nda4a2 |  |  |  |  |  |
| 1.3 |  |  |  | ndi'1i3 |  |  |
| 1.4 | nda1a4 |  | ndi1i4 |  | ndu1u4 | ndu'1u4 |
| 3.4 |  | nda'3a4 | ndi3i4 |  |  | ndu'3u4 |

NVCV

Initial /a/

ma3chi3 membrana, escama

ma4xi2 manso loan?

na4chu3 como, porqué function word

na4tu2 condicional function word

Initial /i/

No hay

Initial /u/

No hay

**CVNV**

**Initial /u/**

ku1mi4  
ku3ni2  
ku3ni2  
ku3ni3  
ku3nu3  
ku3ñu2  
ku4ni2  
ku4nu1  
tu1mi1  
tu4mi4  
tu4ni1  
xu4mi4  
xu4ñu4

**Initial /i/**

chi3ni3  
chi3ñu3  
chi4ñu3  
ki1ni4  
ki3ni2  
ki3ni3  
ki3ni4  
kwi1na1  
kwi3ñu3  
kwi4ñu2  
xi1ni3  
xi1nu3  
xi1ñu1  
xi4na1  
xi4ni2  
xi4ni4  
xi4ni4  
xi4nu3  
xi4ña4

**Initial /a/**

cha4na2  
ka1ña1  
ka1ña1  
ka3ma2  
ka3na3  
ka3ni2  
ka3ni3  
ka3ni4  
ka4ña2  
kwa1ñu1  
kwa4ñu3  
ta1ma1  
ta1ma4  
ta1ni1  
ta1ni1  
ta3na3

ta3ni3  
ta3ñu3  
ta4ñu3  
xa1nu3  
xa4ni2  
xa4ñu1

**NVNV**

**Initial /a/**

ma1ni1

ma1ni4

na1ma3

na1ma4

na1ni1

na3ma2

na3ma3

na3ma4

na3ma4

na3mi4

na3na3

na3ni2

na3ni2

na3ni4

na3ña4

na3ñu2

na3ñu3

na4ma4

na4na2

ña1ña4

ña4ni3

ña4ña4

na'1ma1

na'1na1

na'3ma3

na'3ña2

na'4nu3

ña'4ñu3

**Initial /i/**

mi1ni4

ni1nu1

ni1nu3

ni3na3

ni4ni3

ni4nu3

ni'3ni4

ni'4nu3

**Initial /u/**

nu1ma1

nu1na4

nu1ni4

nu3mi3

nu3mi3

nu4na4

nu4nu3

nu4nu3

ñu1ñu1

ñu1ñu4

ñu4ñu4

nu'3ni2

nu'4ni2

CVndV

i1nda43

i3nda14

i4xi14nda2

ka1nda1

ki1ndi32

su13nda2

su13ndu2

ta1nda32

ti4ndi4

ti4ndu4

tu1nda32

tu1nda32

tu14nda4

xa3nda4

xa3ndu3

xi14nda2

xi14nda4

ya1nda32

ya4nda3

CV'ndV

ka'3nda2

ka'3nda4

ka'3ndi2

mi'1nda4

nda'1nda4

sa'1nda3

si'1ndi1

si'1ndi4

ta'1nda1

xa'1nda4

xa'4nda2

xi'4nda24

**Long vowel test**

**CVNVV**

ju4ñu3u3

ka1ñu3u2

ku3mi3i4

ku4mi3i4

na3ñu3u3

ni3u3ñu3u42

ni3ñu3u2

ta1ñu1u4

ti1mi3i4

tu3mi3i4

**CVCVV**

ba1xa1a1

i1xa14a3

i4wa1a3

ja4su3u3

jui4nda2a2

ka3nda2a2

ki3nda2a2

ki3xa2a2

ki3xa3a4

kwi3nda2a2

nda3chi3i4

nda3ka1a1

nda3ka3a4

nda3ndi3i3

nda3ndi3i4

nda3ta3a3

nda3tu3u4

nda3xa3a3

ndi3chu1u4

ndi3sa3a4

ndi3yu1u4

ndu3tu1u1

ni1kwa3a4

ni1kwa3a4

sui14ndi1i4

ta3tu2u2

ta4ka3a3

ti1kwa1a4

ti1nda1a4

ti1ndi1i4

ti1ndu1u4

ti1xi3i2

ti3nda2a2

**CVCVVn**

cha3kwi3in3

i3ta2an2

i4tu3un3

ka3kwi1in1

ka3kwi1in3

ka3ti1in1

ka3ti1in3

nda3kwi3in3

ti1ki1in4

ti1kwi3in4

ti1tu1un4

Enclitización

Enclíticos orales

=e4 (después de /a/, /o/, /u/) =o4 (después de /i/, /e/) 1plInclusive

=eT (después de /a/) =aT (después de /i/, /e/, /o/, /u/) 3 Inanimate

Encliticos nasales

=on4 (después de /a/, /e/, /o/ =un4 (después de /i/, /u/) 2sg

=en4 (después de /a/) =an4 (después de /i/, /e/, /o/, /u/) 3sgFem

Rule of denasalization:

After words that end in NV ndV when followed by an oral vowel enclitic

What we want are words of CVNV, NVNV, NVV

CVNV=o4

CVNV=on4

CVNV=riT

2. encliticos no nasales despues de palabras que terminan en \_NV

38005 \lx ya1sin4

However, I may be able to provide a few parameters in this email in advance of a meeting tomorrow night (9-10p central is fine for me tomorrow).  
  
For nasal spreading phenomena, we will want to see whether and to what extent nasalization can proceed through obstruents and non-obstruents at different places of articulation (forward and behind the velopharyngeal port). Let's say we are dealing with right-spreading nasalization (forgive me, I can't remember which direction we have). The best way to show there is some kind of gradient for nasal harmony would then be to record nasal flow for forms like  
  
C1V1C2=V2 where C1 or V1 are either/both nasal "triggers" and C2 alternates between buccal obstruents like [t s] and non-buccal obstruents like [<glottal stop> h]. I would also like to look at what happens to liquids in C2. If possible, we'll need to alternate between different qualities of V2 (minimally a low vowel and a high vowel; since it looks like there is no /i~/, maybe we could use /a i u/) to get the best picture of what is going on.  
  
For controls, we need analogous C1V1C2=V2 forms where there is no nasal trigger in the stem. It's crucial that we have the same vowel qualities in V2 for the nasal and non-nasal tokens since different oral impedance will greatly affect nasal flow (comparing /i~/ and /a~/ for example, would be misleading, since the high tongue position for /i~/ would shunt more air through the nasal cavity, even if it had the same degree of velopharyngeal opening as /a~/ -- the result would be the (possibly) mistaken conclusion that /i~/ is more nasalized than /a~/).  
  
Let me know if this helps at all.