**Lessons**

**1. Disyllabic words in which the two tones of each mora/syllable are the same and there are no enclitics**

1.a no nasal vowels, no glottal stop

ka1ta1

yo1ko1

ka3na3

ki3xi3

ya4ka4

si4ki4

1.b with nasal vowels (note that there are no disyllabic words with both nasal and laryngealized vowels)

ku1sun1

xi1kun1

su1kun1

ka1kan1

ya3tin3

ya3tan3

tu4tun4

ta4tan4

nda4xan4

1.c with laryngealized vowels

ya'1bi1

nda'1ba1

ya'1ma1

ka'3mi3

ka'3bi3

ya'3bi3

ta'4bi4

1.d Final

Any disyllabic word with the same tone on first and second syllable whether we have CVCV, CVCVn, or CV'CV.

**2. Monosyllabic words in which the two tones of each mora are the same and there are no enclitics**

2.a Words with laryngealization and same tone throughout

nda'1a1

ka'1a1

ku'1u1

be'3e3

so'3o3

yo'4o4

ko'4o4

2.b Words with laryngealization and nasal with same tone throughout

xa'1an1

ku'3un3

ka'4an4

2.c Words with no laryngealization (<'>) and same tone throughout the word without nasalization (i.e., final /n/)

nda1a1

ya1a1

xa1a1

nda3a3

ya3a3

ndo3o3

nu3u3

ti3in3

ya4a4

2.d Words with no laryngealization but with a nasal vowel and same tone throughout

kwi1in1

tu1un1

kwi3in3

tu3un3

ti4in4

tiu4un4

2.e Final

Any monosyllabic word with the same tone on first and second syllable whether we have CVV, CVVn, CV'V or CV'Vn.

**3. Disyllabic words in which the two tones of each mora/syllable are different and first tone is higher than second tone**

3.a First tone 4 second tone 3, 2 or 1. No nasal vowels, no glottal stop

ta4ku1

ku4ni2

xi4ka3

3.b First tone 4 second tone 3, 2 or 1. Words with nasal vowels

ki4xin1

xa4kin2

ku4kun3

3.c First tone 4 second tone 3, 2 or 1. With laryngealized vowels

xa'4nu1

xa'4ni2

ka'4nu3

3.d First tone 3, second tone 2 regardless of whether there are nasal or laryngealized vowels.

ya3bi2

ya'3mi2

ka3sun2

3.Final

Any disyllabic word with tones 4.3, 4.2, 4.1, or 3.2 on the first and second syllables whether we have CVCV, CVCVn, or CV'CV.

**4. Monosyllabic words in which the two tones of each mora/syllable are different and first tone is higher than the second tone**

4.a First tone 4 second tone 3, 2 or 1. Laryngealized vowels. No nasal vowels

xi'4i3

ku'4u2

ko'4o1

4.b First tone 4 second tone 3, 2 or 1. Laryngealized vowels. Nasal vowels

tu'4un3

ka'4an2

xa'4an1

4.c First tone 4 second tone 3, 2 or 1. No laryngealized vowels. No nasal vowels

Note: there are no 4.3

tu4u2

xa4a1

4.d First tone 4 second tone 3, 2 or 1. No laryngealized vowels. Nasal vowels

Note: there are no 4.3

ka4an2

ka4an1

4.e First tone 3, second tone 2 (there is no 3.1 sequence of tones). Includes nasal and laryngealized vowels in combination or not.

xa3a2

ka3an2

ku'3u2

xa'3an2

4.Final

Any monosyllabic word with tones 4.3, 4.2, 4.1, or 3.2 on the first and second syllables whether we have CV'V, CV'Vn, CVV, or CVVn.

**5. Disyllabic words in which the two tones of each mora/syllable are different and first tone is lower than the second tone**

3.a First tone 1 or 3 second tone 4, 3. No nasal vowels, no glottal stop

ka1ku3

ka1chi4

ka3xi4

3.b First tone 1 or 3 second tone 4, 3. Words with nasal vowels

bi1xin3

ndi1xin4

la3tun4

3.c First tone 1 or 3 second tone 4, 3. With laryngealized vowels

ya'1bi3

ta'1bi4

ta'3bi4

3.final

First tone 1 or 3 second tone 4, 3 regardless of whether there are nasal or laryngealized vowels.

**6. Monosyllabic words in which the two tones of each mora/syllable are different and first tone is lower than the second tone**

6.a First tone 1 or 3, second tone 4, 3. Laryngealized vowels. No nasal vowels

ya'1a3

xa'1a4

nda'3a4

6.b First tone 1 or 3, second tone 4,3. Laryngealized vowels. Nasal vowels

tu'1un3

ti'1in4

ka'3an4

6.c First tone 1 or 3, second tone 4,3. No laryngealized vowels. No nasal vowels

tu1u3

yo1o4

ni3i4

6.d First tone 1 or 3, second tone 4,3. No laryngealized vowels. Nasal vowels

ta1an3

tu1un4

ti3in4

6. Final Cualquier palabra de dos moras con tono más bajo en la primera mora. Todos estructuras silábicas.

7. Rising tones on first mora (13, 14, 34)

8. Falling tones on second mora (41, 32)

9. Rising and falling tones on first and second mora (e.g., 14.32)

10. Enclitics: consonant initial

11. Enclitics: vowel initial

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