

BYZANTINE MUSIC FORMULÆ

Grave Mode - Papadic

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Sources

All formulae found in the following list of sources have been included in this compilation (non-Greek sources are in gray):

- Χερουβικὸν Θεοδώρου Φωκαέως (*Μουσικὴ Συλλογὴ*, τ. Γ', σελ. 84)
Χερουβικὸν Πέτρου Πελοποννησίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 73)
Χερουβικὸν Πέτρου Πελοποννησίου (Ἀνέκδοτον Χειρόγραφον ἐκ τῆς Βιβλιοθήκης Δημητσάνας)
Χερουβικὸν Ἰωάσαφ Διονυσιάτου (*Μελωδήματα Ἀσκήσεων Λειτουργικῆς*, σελ. 107)
Χερουβικὸν Ἀγαθαγγέλου Κυριαζίδου (*Αἱ Δύο Μέλισσαι*, σελ. 415)
Χερουβικὸν Ἀνδρέου Τσικνοπούλου (*Ἀνθολογία*, Τόμος Τρίτος, σελ. 33)
Χερουβικὸν Πέτρου Πελοποννησίου, *Цветособрание*, 1847, σελ. 44 (Slavonic adaptation by Никола Трандафилов).
Χερουβικὸν Θεοδώρου Φωκαέως, *Литургия*, 1872, σελ. 165 (Slavonic adaptation by Тодор Икономов).
Χερουβικὸν Ἄντον Πάνν, (Romanian *Χερουβικο-Κινονικα*, Τομουλ 1, σελ. 9)
- Νῦν αἱ Δυνάμεις, Κωνσταντίνου Πρωτοψάλτου (*Ταμειῖον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 109)
Νῦν αἱ Δυνάμεις, Ἰακώβου Πρωτοψάλτου (*Μουσικὴ Πανδέκτη*, τ. Α', σελ. 409)
Νῦν αἱ Δυνάμεις, Θεοδώρου Φωκαέως (*Ταμειῖον Ἀνθολογίας Φωκαέως - Ἑσπερινός*, τ. Α', σελ. 321)
Νῦν αἱ Δυνάμεις, Πέτρου Μπερεκέτου (*Ἄπαντα*, Τόμος Γ', σελ. 866)
Νῦν αἱ Δυνάμεις, Παναγιώτου Κηλτζανίδου (*Ἀνθολογία*, σελ. 95)
- Κοινωνικὸν «Ἀγαλλιᾶσθε δίκαιοι» Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν Ἐκλογάριον*, σελ. 81)
Κοινωνικὸν «Γεύσασθε» Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν Ἐκλογάριον*, σελ. 101)
Κοινωνικὸν «Εἰς πᾶσαν τὴν γῆν» Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν Ἐκλογάριον*, σελ. 78)
Κοινωνικὸν «Ἐσημειώθη ἐφ' ἡμᾶς» Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν Ἐκλογάριον*, σελ. 80)
Κοινωνικὸν «Μακάριοι» Θεοδώρου Φωκαέως (*Ταμειῖον Ἀνθολογίας - Λειτουργία Α', Φωκαέως*, σελ. 367)
Κοινωνικὸν «Ὁ ποιῶν τοὺς ἀγγέλους» Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν*

Ἐκλογάριον, σελ. 72)
Κοινωνικὸν «Ποτήριον Σωτηρίου» Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν*
Ἐκλογάριον, σελ. 76)

Θεοτοκίον «Ἦ Δέσποινα Πανύμνητε» Πέτρου Πελοποννησίου (*Μουσικὴ*
Πανδέκτη, τ. Β', σελ. 144)

Θεοτοκίον «Ἦ Δέσποινα Πανύμνητε» Γεωργίου Ῥυσίου (*Μουσικὴ Πανδέκτη*, τ. Β',
σελ. 334)

From the following list of sources, however, only all their brief and medium-sized formulae have been included in this compilation. Formulae in them that are very long (i.e., more than four lines long) have been omitted from this compilation.

Χερουβικὰ Κωνσταντίνου Πρωτοψάλτου (*Ταμείον Ἀνθολογίας Κωνσταντίνου*, τ.
Β', σελ. 73, 76)

Χερουβικὸν Πέτρου Ἐφεσίου (*Κοκκινογοργοῦσα*, σελ. 535)

Χερουβικὸν Πέτρου Μπερεκέτου (*Ἄπαντα*, Τόμος Γ', σελ. 626)

Χερουβικὸν Πέτρου Πελοποννησίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 102)

Χερουβικὸν Πέτρου τοῦ Βυζαντίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 215)

Χερουβικὸν Γρηγορίου Πρωτοψάλτου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 247)

Χερουβικὸν Γρηγορίου Πρωτοψάλτου «Μέγιστον» (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ.
302)

Χερουβικὸν Χουρμουζίου Χαρτοφύλακος (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 359)

Χερουβικὸν Κωνσταντίνου Πρωτοψάλτου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 393)

Χερουβικὸν Πέτρου Ἐφεσίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 423)

Χερουβικὸν Πέτρου Μπερεκέτου (*Ἄπαντα*, Τόμος Γ', σελ. 557)

Χερουβικὸν Πέτρου Πελοποννησίου «Ἀνέκδοτον» (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ.
145)

Χερουβικὸν Θεοδώρου Φωκαέως (ἀργόν) (*Ταμείον Ἀνθολογίας - Λειτουργία Α'*,
Φωκαέως, σελ. 281)

Χερουβικὸν Ἀγαθαγγέλου Κυριαζίδου (*Αἱ Δύο Μέλισσαι*, σελ. 435)

Χερουβικὸν Παναγιώτου Κηλτζανίδου (*Ἀπάνθισμα*, σελ. 157)

Χερουβικὸν Ἀνδρέου Τσικνοπούλου (*Ἀνθολογία*, Τόμος Τρίτος, σελ. 53)

Χερουβικὸν Γεωργίου Ραιδεστηνοῦ καὶ Γεωργίου Βιολάκη (ἐκλογή Φώτη
Θεοδωρακοπούλου) (*Χερουβικάριον*, σελ. 359)

Χερουβικὸν Μανουὴλ Χρυσάφου (*Ἐν Ἄνθος*, σελ. 287)

Χερουβικὸν Μανουὴλ Χρυσάφου, (καλλιπισμὸς Διονυσίου Μητροπολίτου
Ἡρακλείας)

Χερουβικὸν Κωνσταντίνου Πρωτοψάλτου, *Литургия*, 1872, σελ. 188 (Slavonic
adaptation by Тодор Икономов).

- Χερουβικὸν Πέτρου Ἐφεσίου, *Цветособрание*, 1847, σελ. 65 (Slavonic adaptation by Никола Трандафилов).
- Χερουβικὸν Γρηγορίου Πρωτοψάλτου, *Cântările Sfintei Liturghii*, 2000, σελ. 181 (Romanian adaptation by Arhiereu Nectarie Tripoleos).
- Χερουβικὸν Πέτρου Πελοποννησίου, *Cântările Sfintei Liturghii*, 2000, σελ. 126 (Romanian adaptation by Arhiereu Nectarie Tripoleos).
- Χερουβικὸν Θεοδώρου Φωκαέως, *Cântările Sfintei Liturghii*, 2000, σελ. 150 (Romanian adaptation by Schim. Nectarie).
- Ρουμανικὸν Χερουβικὸν Διονυσίου Φωτεινοῦ (*Biblioteca Mănăstirii Neamț nr001*, φ. 362)
- Κοινωνικὸν «Ἀγαλλιᾶσθε δίκαιοι» Χρυσάφου τοῦ Νέου (Ἐξήγησις Χουρμουζίου Χαρτοφύλακος, ΕΒΕ-ΜΠΤ 705, φ. 207v)
- Κοινωνικὸν «Ἀγαλλιᾶσθε δίκαιοι», Κωνσταντίνου Πρωτοψάλτου (*Ταμεῖον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 243)
- Κοινωνικὸν «Αἰνεῖτε τὸν Κύριον » Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν Ἐκλογάριον*, σελ. 71)
- Κοινωνικὸν «Αἰνεῖτε τὸν Κύριον » Ἀγάθωνος (Ἐξήγησις Χουρμουζίου Χαρτοφύλακος, ΕΒΕ-ΜΠΤ 705, φ. 151)
- Κοινωνικὸν «Αἰνεῖτε τὸν Κύριον», Κωνσταντίνου Πρωτοψάλτου (*Ταμεῖον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 230)
- Κοινωνικὸν «Γεύσασθε», Παναγιώτου Κηλτζανίδου (*Ἀπάνθισμα*, σελ. 104)
- Κοινωνικὸν «Γεύσασθε», Γεωργίου τοῦ Κρητός (*Ταμεῖον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 116)
- Κοινωνικὸν «Γεύσασθε», Θεοδώρου Φωκαέως (*Ταμεῖον Ἀνθολογίας Φωκαέως - Ἐσπερινός*, τ. Α', σελ. 332)
- Κοινωνικὸν «Εἰς μνημόσυνον» Ἀντωνίου τοῦ Νομοφύλακος (*Ἀθωνικὴ Ἀνθοδέσμη*, 1ος Τόμος, σελ. 305)
- Κοινωνικὸν «Εἰς μνημόσυνον» Πέτρου Πελοποννησίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 607)
- Κοινωνικὸν «Εἰς μνημόσυνον» Ἰωάσαφ Διονυσιάτου (*Κοινωνικῶν Ἐκλογάριον*, σελ. 74)
- Κοινωνικὸν «Εἰς μνημόσυνον» Θεοδώρου Φωκαέως (*Καλλίφωνος Ἀηδῶν*, σελ. 244)
- Κοινωνικὸν «Εἰς μνημόσυνον», Κωνσταντίνου Πρωτοψάλτου (*Ταμεῖον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 247)
- Κοινωνικὸν «Εἰς πᾶσαν τὴν γῆν», Κωνσταντίνου Πρωτοψάλτου (*Ταμεῖον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 245)
- Κοινωνικὸν «Ἐκ στόματος νηπίων» Ἰωάννου τοῦ Κλαδᾶ (Ἐξήγησις Χουρμουζίου Χαρτοφύλακος, ΕΒΕ-ΜΠΤ 705, φ. 186)

- Κοινωνικὸν «Ἐν τῷ φωτὶ τῆς δόξης» Δανιὴλ Πρωτοψάλτου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 749)
- Κοινωνικὸν «Ἐπαίνει Ἱερουσαλήμ» Χρυσάφου τοῦ Νέου (Ἐξήγησις Χουρμουζίου Χαρτοφύλακος, ΕΒΕ-ΜΠΤ 705, φ. 199)
- Κοινωνικὸν «Ἐπεφάνη ἡ χάρις» Πέτρου Πελοποννησίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 654)
- Κοινωνικὸν «Ἐσημειώθη ἐφ' ἡμᾶς» Πέτρου Πελοποννησίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 634)
- Κοινωνικὸν «Ἐσημείωθη ἐφ' ἡμᾶς», Κωνσταντίνου Πρωτοψάλτου (*Ταμείον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 239)
- Κοινωνικὸν «Κύριε ἠγάπησα», Κωνσταντίνου Πρωτοψάλτου (*Ταμείον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 236)
- Κοινωνικὸν «Λύτρωσιν ἀπέστειλε», Κωνσταντίνου Πρωτοψάλτου (*Ταμείον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 232)
- Κοινωνικὸν «Μὴ ἀποστρέψης», Κωνσταντίνου Πρωτοψάλτου (*Ταμείον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 238)
- Κοινωνικὸν «Ποτήριον Σωτηρίου» Γρηγορίου Πρωτοψάλτου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 814)
- Κοινωνικὸν «Ποτήριον Σωτηρίου» Χουρμουζίου Χαρτοφύλακος (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 817)
- Κοινωνικὸν «Ποτήριον σωτηρίου», Κωνσταντίνου Πρωτοψάλτου (*Ταμείον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 241)
- Κοινωνικὸν «Ποτήριον σωτηρίου» Πέτρου Μπερεκέτου (*Ἄπαντα*, Τόμος Γ', σελ. 771)
- Κοινωνικὸν «Σῶμα Χριστοῦ» Μανουὴλ τοῦ Παλαιοῦ Χρυσάφου (Ἐξήγησις Χουρμουζίου Χαρτοφύλακος, ΕΒΕ-ΜΠΤ 705, φ. 194)
- Κοινωνικὸν «Σῶμα Χριστοῦ» Γρηγορίου Πρωτοψάλτου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 710)
- Κοινωνικὸν «Σῶμα Χριστοῦ», Κωνσταντίνου Πρωτοψάλτου (*Ταμείον Ἀνθολογίας Κωνσταντίνου*, τ. Β', σελ. 234)
- Κοινωνικὸν «Σωτηρίαν εἰργάσω» Πέτρου Μπερεκέτου (*Ἄπαντα*, Τόμος Γ', σελ. 760)
- Κοινωνικὸν «Τὸ Πνεῦμά σου τὸ Ἅγιον» Πέτρου Πελοποννησίου (*Μουσικὴ Πανδέκτη*, τ. Δ', σελ. 732)
- Κοινωνικὸν «Τὸ Πνεῦμά σου τὸ Ἅγιον» Μανουὴλ τοῦ Παλαιοῦ Χρυσάφου (Ἐξήγησις Χουρμουζίου Χαρτοφύλακος, ΕΒΕ-ΜΠΤ 705, φ. 205)
- Κοινωνικὸν «Τοῦ Δείπνου σου», Πέτρου Μπερεκέτου (*Ἄπαντα*, Τόμος Γ', σελ. 821)
- Τριαδικὸν «Θεὸ Τριάς διαιρετὴ» Πέτρου Πελοποννησίου (*Μουσικὴ Πανδέκτη*, τ. Β', σελ. 138)
- Τριαδικὸν «Δόξα σοι, ὁ ἐν Τριάδι» Γεωργίου τοῦ Κρητός (*Μουσικὴ Πανδέκτη*, τ. Β',

σελ. 263)
Θεοτοκίον «Τὰς δεήσεις» Γεωργίου τοῦ Κρητός (*Μουσικὴ Πανδέκτη*, τ. Β', σελ.
268)

Apology

Due to a careless error of mine, I somehow erased almost all the information from the Word version of this file that indicated the source of each formula. So when you position the mouse over most of these formulae in Word, instead of showing you their source, it will say: "Unknown." Sorry about that.

Key:

1 = accented syllable

0 = unaccented syllable

X = syllable that may be either accented or unaccented

0 = (bold & italics) initial formula

$\chi\alpha$ = The original source inserted a "chi" (χ) while continuing the same vowel (which was not necessarily an alpha), even though the word the original text did not contain a "chi."

$\zeta\epsilon$ = The original source inserted an "n" followed by an epsilon (which sounds like "neh"), even though the word in the original text did not contain an "n" or an epsilon.

ζ = The original source inserted an "n" while continuing the same vowel, even though the original word did not contain an "n."

Syllables after a cross are repeated syllables. This does not mean, however, that there was a cross in that place in the original music. Since the cross is used in this particular manner for this compilation, any crosses in the original music were not included.

Variations of the same formula are indicated in color

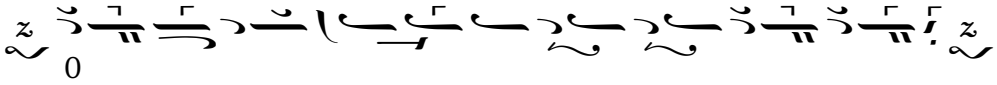
Formulae taken from Slavonic or Romanian adaptations of Greek cherubic hymns are written with gray notes.

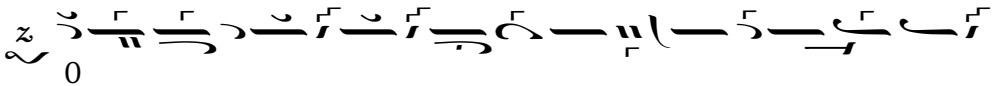
The parts of formulae from non-Greek adaptations that (in our opinion) seem substandard are highlighted: Yellow highlighting is used for unaccented syllables overemphasized by the melody and for accented syllables underemphasized by the melody. Green highlighting is used for an extra syllable inserted into a formula that according to the Greek paradigm should have fewer syllables. Green highlighting is also used when a syllable is missing from the place in a formula where the Greek paradigm requires a new syllable.

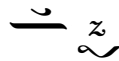
These and other formulae are available online at: <http://www.stanthonysonastery.org/music/FormulaP.html>

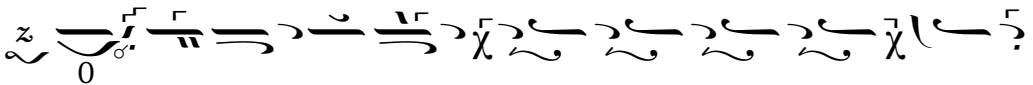
Prelude Melodies for Initial Syllable*

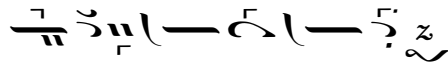
A) Initial Syllable

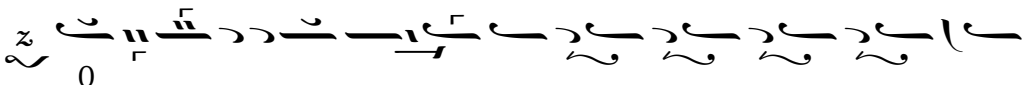
0 

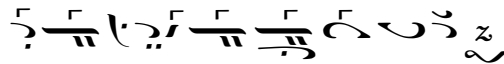
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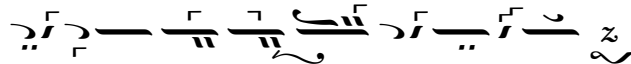
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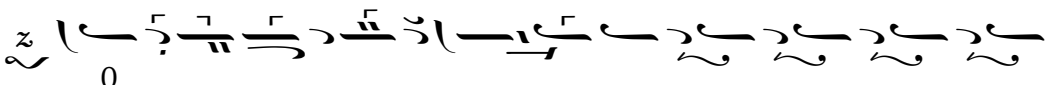


0 



0 



0 



* Some composers wrote brief preludes for the first syllable of papadic hymns. Immediately following this prelude, the hymn proper would start, beginning with the first syllable.

Grave Mode - Papadic

1

1

1

Medial Cadences on Zo

B) Accented on Last Syllable

Zo - Zo

001

001

001

0001

Grave Mode - Papadic

0X01

00001

0X001

010001

Grave Mode - Papadic

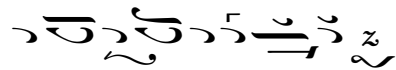
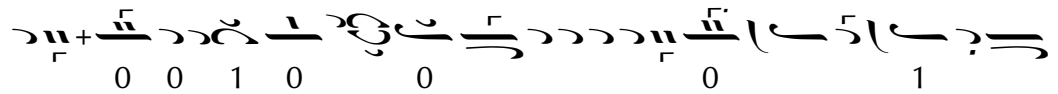
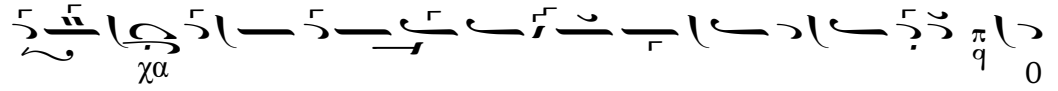
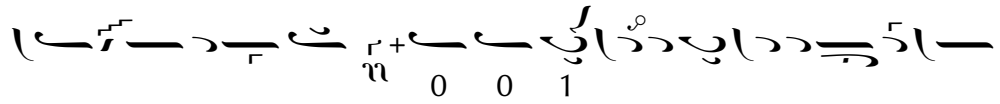
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100001

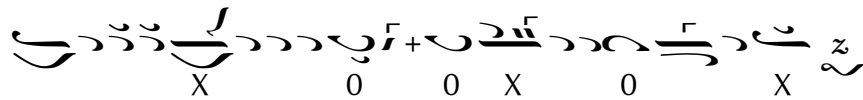
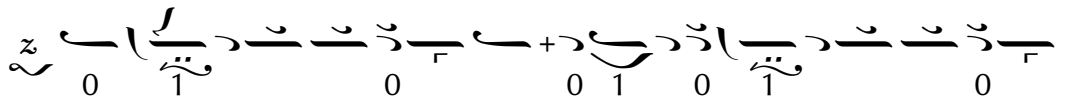
100001

0010001

Grave Mode - Papadic

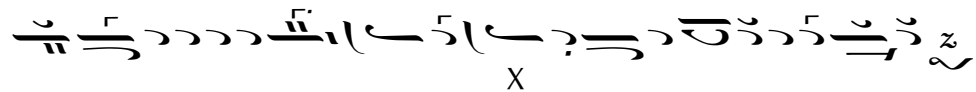
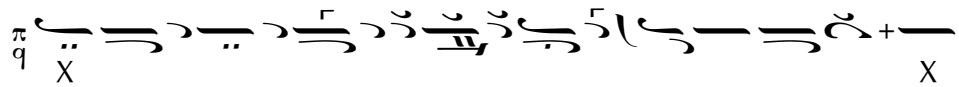


01010X0X

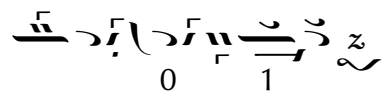
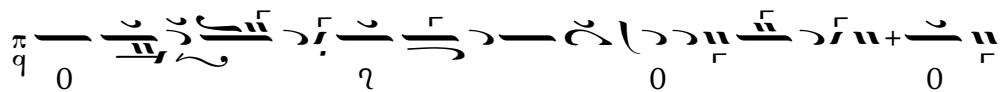


Pa - Zo

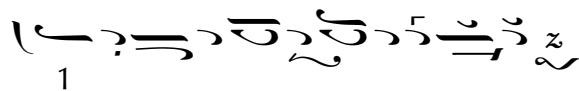
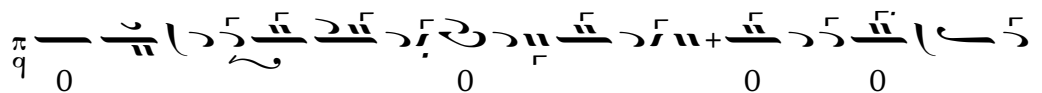
XX



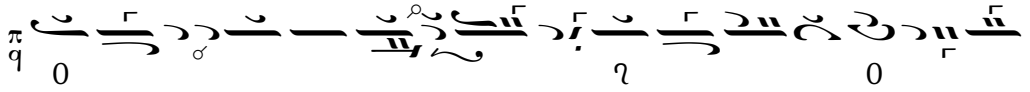
001

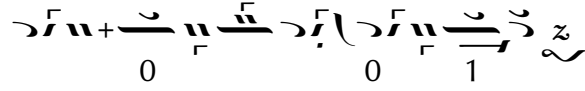


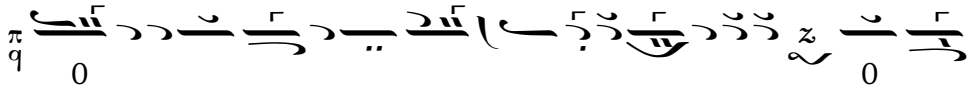
001



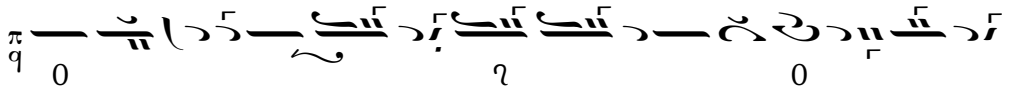
Grave Mode - Papadic

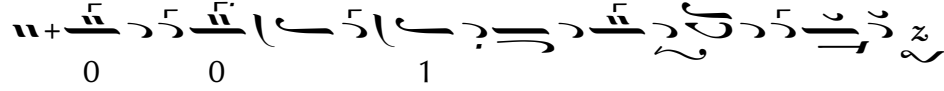
001 π
 $\frac{9}{0}$ 

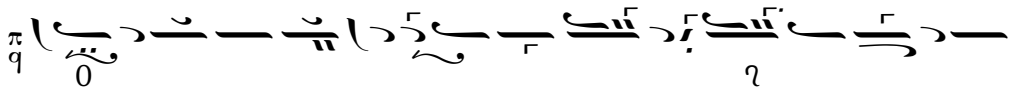


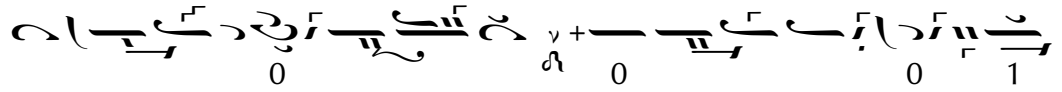
001 π
 $\frac{9}{0}$ 



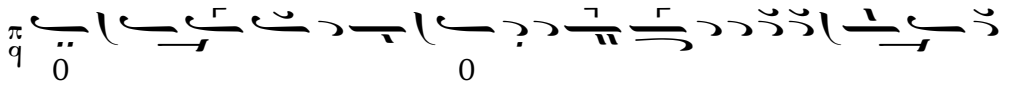
001 π
 $\frac{9}{0}$ 

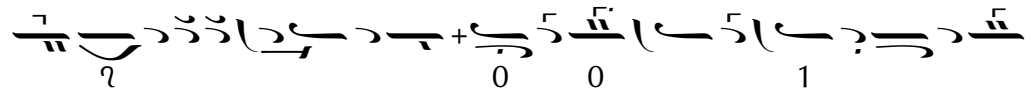


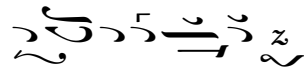
001 π
 $\frac{9}{0}$ 





001 π
 $\frac{9}{0}$ 





Grave Mode - Papadic

001

π_9

010001

π_9

(010)0001

π_9

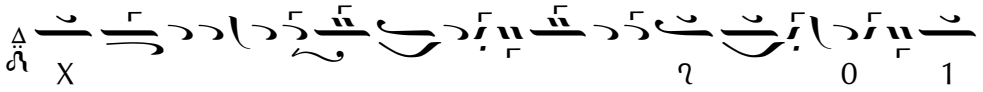
1010X01

π_9

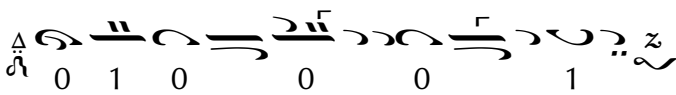
Grave Mode - Papadic

Di - Zo

0 

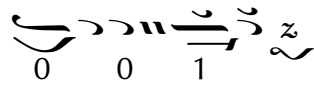
X01 



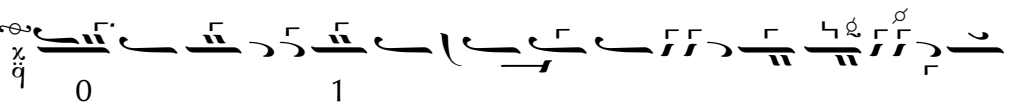
010001 

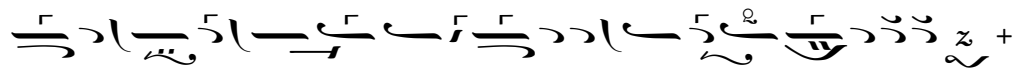
1010001 

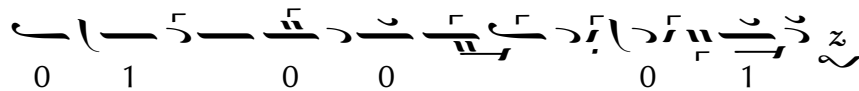




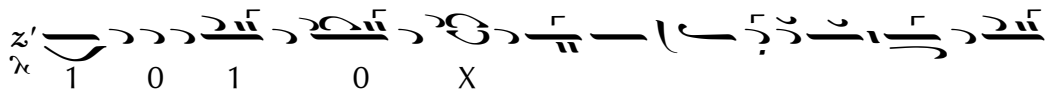
Ke - Zo

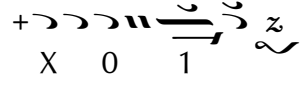
010001 




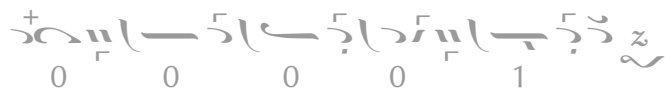


Grave Mode - Papadic

1010X01 

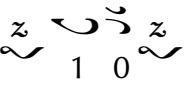
+ 

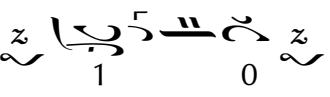
00100001 


+ 

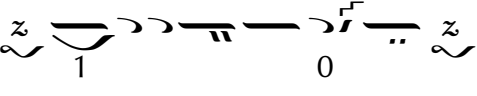
C) Accented on Second to Last Syllable

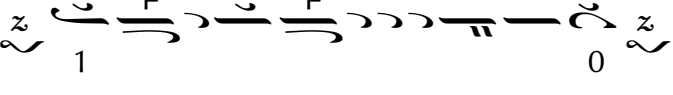
Zo - Zo

10 

10 

10 

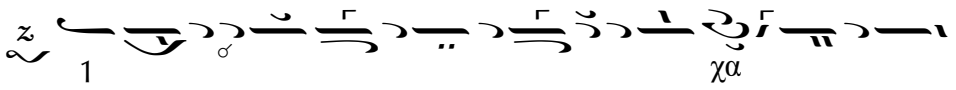
10 

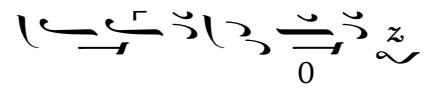
10 

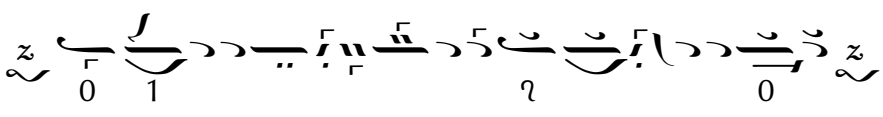
10 

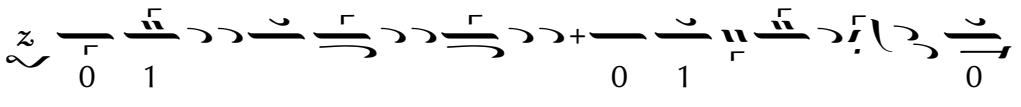
+ 

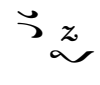
Grave Mode - Papadic

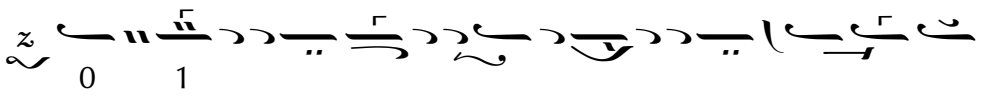
10 

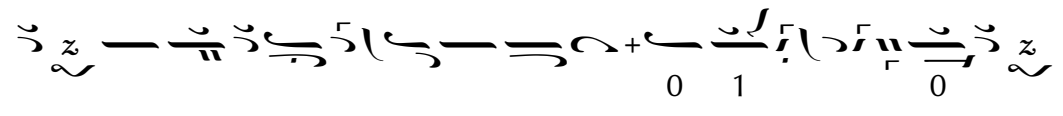


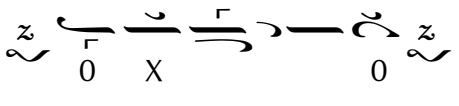
010 

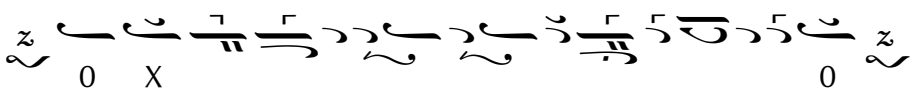
010 



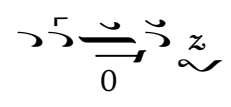
010 

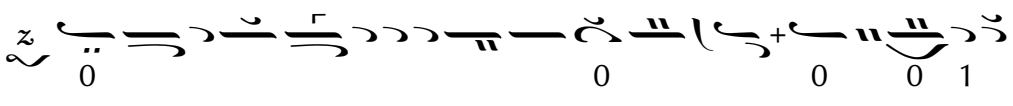


0x0 

0x0 

0010 



0010 

Grave Mode - Papadic

0 0 1 0

z

00010

0 0 0 1 2 z

χ^{α} χ^{α} 0

0 0 1 0

z

10010

1 0 0 1 0 0

1 0 0 1

0 z

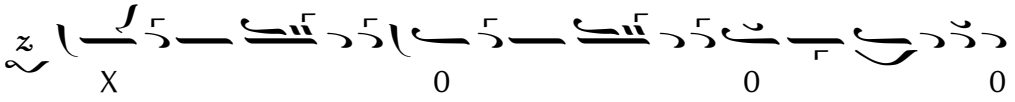
10010

1 0 0 1

χ^{α} 2 0 0 1

0 z

Grave Mode - Papadic

X00010 



100010 





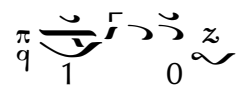
100010 

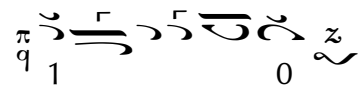






Pa - Zo

10 

10 

Grave Mode - Papadic

10 $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 1 \quad 0 \end{array}$

10 $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 1 \quad 0 \end{array}$

XX $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ X \quad X \end{array}$

$\pi_q \begin{array}{c} \text{[Musical Notation]} \\ X \end{array}$

010 $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \quad 1 \quad 0 \quad 1 \quad 0 \end{array}$

0010 $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \quad 0 \quad 1 \quad 0 \end{array}$

0010 $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \quad 0 \quad 1 \quad \chi\alpha \end{array}$

$\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \quad 0 \quad 1 \end{array}$

0010 $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \quad 0 \quad 1 \end{array}$

$\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \quad 0 \quad 1 \end{array}$

0010 $\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \quad 0 \quad 0 \quad 1 \quad \chi\alpha \end{array}$

$\pi_q \begin{array}{c} \text{[Musical Notation]} \\ 0 \end{array}$ $\chi\alpha$

Grave Mode - Papadic

— χ^{α} — 0 0 0 1

0

010010

0 1 0 0 1 0

100010

1 0 0 0 1 0

X00010

X 0 0 0 1 0

Di - Zo

010

0 1 0

010

0 1 χ^{α}

0

0010

0 0 1 0

0010

0 0 1 0

010010

0 1 0 0 1 0 1

Grave Mode - Papadic

100010

1000010

High Zo - Zo

010

00010

Grave Mode - Papadic

0010010

100010010

D) Accented on Third to Last Syllable

Zo - Zo

100

100

0100

0100

0100

0100

Grave Mode - Papadic

00100

00100

00100

00100

Grave Mode - Papadic

00100

00100

010100

X000100

The image displays musical notation for the 'Grave Mode - Papadic' system. It consists of several lines of notation, each with a binary annotation on the left. The notation includes various rhythmic symbols, some with flags or beams, and a 'z' symbol. The annotations are: 0, 1, 0, 0; 0, 0, 1, 2, 0; 0, 0, 1; 0, 0; 0, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9; 0, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9; 0, 1, 0, 1, 0, 0; X, 0, 0, 0; 0, 1, 0, 1; 0, 0.

Grave Mode - Papadic

01010X0X

0101010010100

Pa - Zo

100

100

100

100

100

100

100

Grave Mode - Papadic

100 $\pi_q \frac{\text{[Musical Notation]}_1}{\text{[Musical Notation]}_0} \text{[Musical Notation]}_1$

$\text{[Musical Notation]}_0 \text{[Musical Notation]}_0$

0100 $\pi_q \frac{\text{[Musical Notation]}_0 \text{[Musical Notation]}_1}{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0} \text{[Musical Notation]}_0$

0100 $\pi_q \frac{\text{[Musical Notation]}_0 \text{[Musical Notation]}_1}{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0} \text{[Musical Notation]}_0$

0100 $\pi_q \frac{\text{[Musical Notation]}_0 \text{[Musical Notation]}_1}{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0} \text{[Musical Notation]}_0$

0100 $\pi_q \frac{\text{[Musical Notation]}_0 \text{[Musical Notation]}_1}{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0} \text{[Musical Notation]}_0$

0100 $\pi_q \frac{\text{[Musical Notation]}_0 \text{[Musical Notation]}_1}{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0} \text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0$

0100 $\pi_q \frac{\text{[Musical Notation]}_0 \text{[Musical Notation]}_1}{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0} \text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0$

0100 $\pi_q \frac{\text{[Musical Notation]}_0}{\text{[Musical Notation]}_0} \text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_1$

$\text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0$

$\text{[Musical Notation]}_1 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0$

00100 $\pi_q \frac{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_1}{\text{[Musical Notation]}_0 \text{[Musical Notation]}_0 \text{[Musical Notation]}_0} \text{[Musical Notation]}_0 \text{[Musical Notation]}_0$

Grave Mode - Papadic

(10)0100 π_q $\begin{matrix} 0 & 1 & 0 & 1 & 0 & 0 & 1 \end{matrix}$

(10)0100 π_q $\begin{matrix} 0 & 1 & 2 & 0 & 1 \end{matrix}$

(10)0100 π_q $\begin{matrix} 0 & 1 & 0 & 1 & 0 & 0 & 1 \end{matrix}$

(10)0100 π_q $\begin{matrix} 0 & 1 & 2 & 0 \end{matrix}$

(10)0100 π_q $\begin{matrix} 0 & 1 & 2 & 1 & 0 & 0 & 1 \end{matrix}$

Grave Mode - Papadic

(10)0100 π_q

100100 π_q

100100 π_q

100100 π_q

100100 π_q

100100 π_q

Grave Mode - Papadic

0010100

1000100

1000100

1010X01

10010100

Grave Mode - Papadic

100100100 π
 δ $\frac{1}{q}$ $\frac{1}{1}$ $\frac{1}{00}$ $\frac{1}{1}$ $\frac{1}{00}$

$\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{z}$

Di - Zo

100 Δ
 δ $\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{z}$

100 Δ
 δ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{0}$

$\frac{1}{0}$ $\frac{1}{z}$

X01 Δ
 δ $\frac{1}{x}$ $\frac{1}{?}$ $\frac{1}{0}$ $\frac{1}{1}$

$\frac{1}{z}$

0100 Δ
 δ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{z}$

0100 Δ
 δ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{\pi}$ $\frac{1}{q}$ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{z}$

0100 Δ
 δ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{z}$

0100 Δ
 δ $\frac{1}{0}$ $\frac{1}{1}$ $\frac{1}{?}$ $\frac{1}{z}$

$\frac{1}{\chi^{\alpha}}$ $\frac{1}{\chi^{\alpha}}$ $\frac{1}{0}$ $\frac{1}{\pi}$

Grave Mode - Papadic

0 1 0 0

00100

0 0 1 0 0

00100

0 0 1 0

000100

0 0 0 1 0 0

000100

0 0 0 1 0 0

000100

0 0 0 1 0 0

(10)0100

0 1 0

1 0 0 1 0 0

(10)0100

0 1 0 1

0 0 1 0 0

(10)0100

0 1 0 1 0 0 1

Grave Mode - Papadic

0 0

100100

1 0 0 1 0 0

100100

1 0 0 1 0 0

(0001)100

1 0 0 0 0 1 1 0 0

0010100

0 0 1 0 1

0 0

0100100

0 1 0 0 1 0 0 0 0 1

0100100

0 1 0 1 0 0

0

0100100

0 1 0 0 1 0 0

0

00100100

0 0 1 0 0 1 0 0

Grave Mode - Papadic

00100100

00100100

100100100

High Zo - Zo

100

Grave Mode - Papadic

0 0 0

0100 $\lambda' \begin{matrix} 0 \\ 1 \end{matrix}$ 0 0 1 0 0

0100 $\lambda' \begin{matrix} 0 \\ 1 \end{matrix}$ 0 1 0 0 $\lambda' \begin{matrix} 0 \\ 1 \end{matrix}$

0100 $\lambda' \begin{matrix} 0 \\ 1 \end{matrix}$ χ^α

0 1 0 0

00100 $\lambda' \begin{matrix} 0 \\ 0 \\ 1 \end{matrix}$ 0 0 0 1 0

0 1 0 0

10100 $\lambda' \begin{matrix} 1 \\ 0 \end{matrix}$ 1 1

1 0 1 0 0

000100 $\lambda' \begin{matrix} 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \end{matrix}$ 0

000100 $\lambda' \begin{matrix} 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \end{matrix}$

Grave Mode - Papadic

100X01

0010X0X

0100100

0100100

Grave Mode - Papadic

0100100

1010X01

00100100

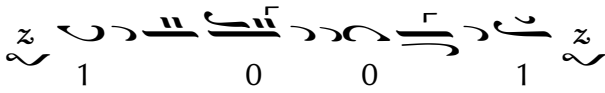
00100100

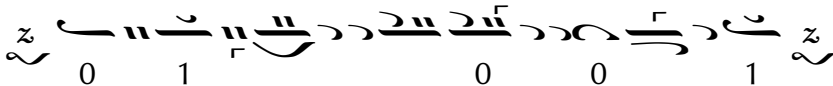
00100100

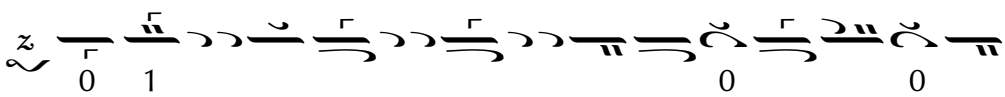
00100100

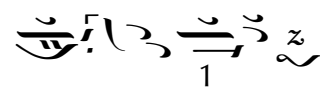
E) Accented on Fourth to Last Syllable


Zo - Zo

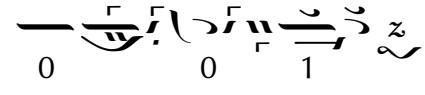
1001 

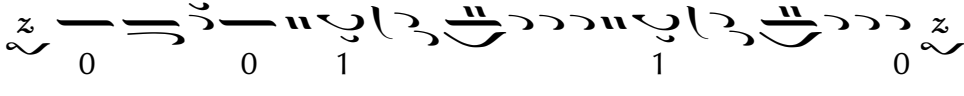
01001 

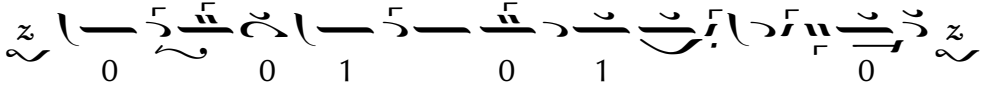
01001 

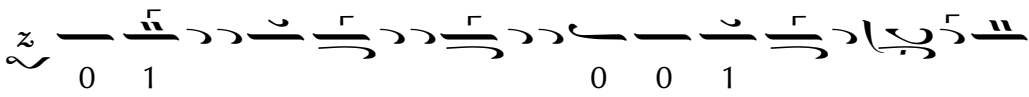


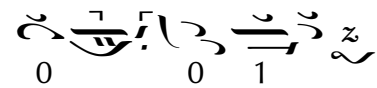
0X001 



001010 

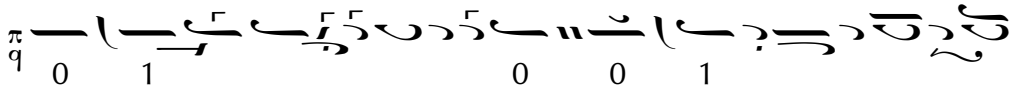
001010 

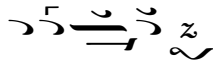
01001001 

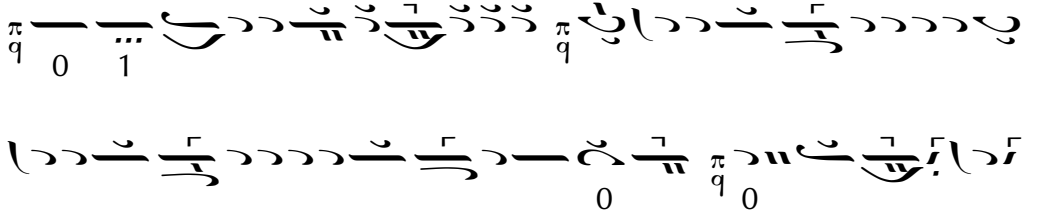


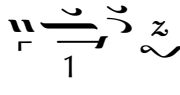
Grave Mode - Papadic

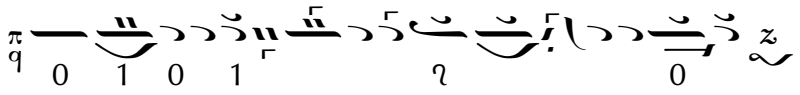
Pa - Zo

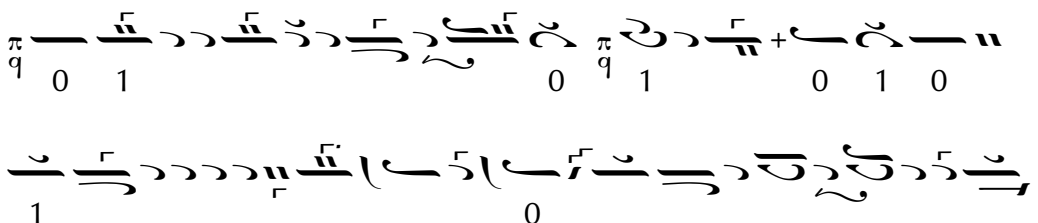
01001 π_q 




01001 π_q 



01010 π_q 

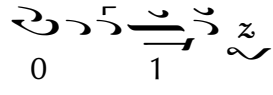
01010 π_q 



Grave Mode - Papadic

Di - Zo

01001 




01010 



High Zo - Zo

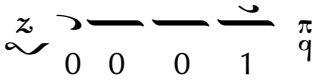
1010 

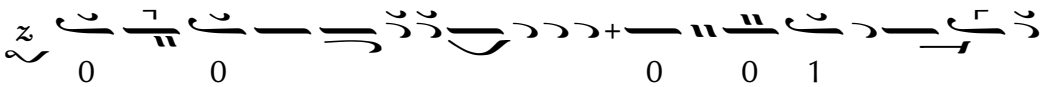
1010 

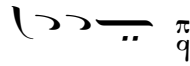
Medial Cadences on Pa

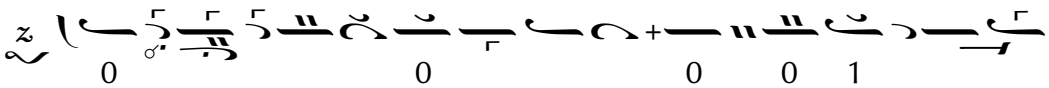
F) Accented on Last Syllable

Zo - Pa

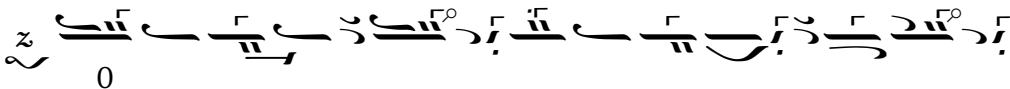
001 

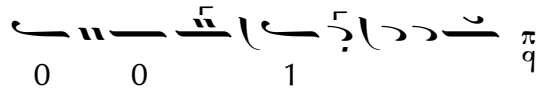
001 




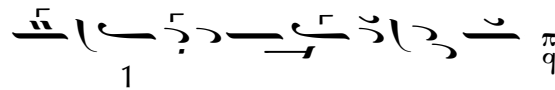
001 

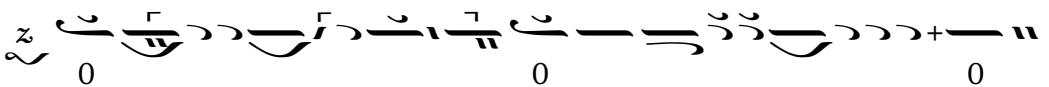


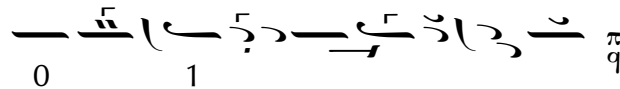
001 



001 



001 



Grave Mode - Papadic

001 Musical notation for 001, first line. It begins with a z symbol and a 0 below it. The notation consists of several notes with stems and beams, including a note with a 0 below it and a note with a pi/9 below it.

Musical notation for 001, second line. It starts with a 0 below a note, followed by a 1 below a note, and ends with a pi/9 below a note.

001 Musical notation for 001, third line. It begins with a z symbol and a 0 below it. The notation includes notes with stems and beams, with a 0 below a note and a pi/9 below a note.

Musical notation for 001, fourth line. It starts with a 0 below a note, followed by a 1 below a note, and ends with a pi/9 below a note.

001 Musical notation for 001, fifth line. It begins with a z symbol and a 0 below it. A note is highlighted in pink. The notation includes notes with stems and beams, with a 0 below a note and a pi/9 below a note.

Musical notation for 001, sixth line. It starts with a 1 below a note, followed by a pi/9 below a note.

001 Musical notation for 001, seventh line. It begins with a z symbol and a 0 below it. The notation includes notes with stems and beams, with a 0 below a note and a pi/9 below a note.

Musical notation for 001, eighth line. It starts with a 0 below a note, followed by a 0 below a note, then a 1 below a note, and ends with a pi/9 below a note.

001 Musical notation for 001, ninth line. It begins with a z symbol and a 0 below it. The notation includes notes with stems and beams, with a 0 below a note and a pi/9 below a note.

Musical notation for 001, tenth line. It starts with a 0 below a note, followed by a 0 below a note, then a 1 below a note, and ends with a pi/9 below a note.

X01 Musical notation for X01, eleventh line. It begins with a z symbol and an X below it. The notation includes notes with stems and beams, with a chi alpha below a note and a pi/9 below a note.

Musical notation for X01, twelfth line. It starts with a chi alpha below a note, followed by a chi alpha below a note, then a 0 below a note, and ends with a pi/9 below a note.

Grave Mode - Papadic

X0X

0001

10001

10001

10001

Grave Mode - Papadic

000001

1010001

Pa - Pa

00

000

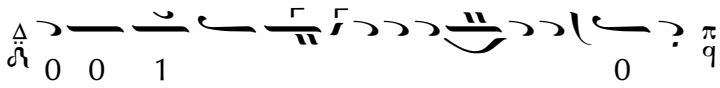
01

001

10001

Grave Mode - Papadic

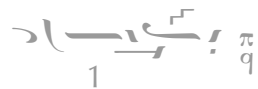
Di - Pa

0010 $\frac{\Delta}{d}$  $\frac{\pi}{q}$

High Zo - Pa

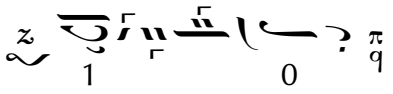
0 $\frac{z'}{\lambda}$  $\frac{\pi}{q}$


01 $\frac{z'}{\lambda}$  $\frac{\pi}{q}$


 $\frac{\pi}{q}$

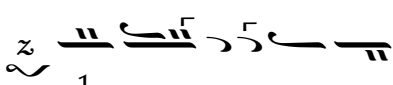
G) Accented on Second to Last Syllable

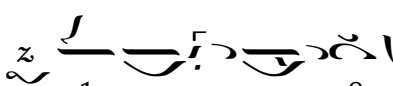
Zo - Pa

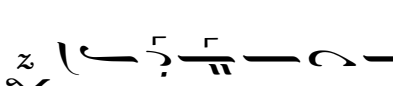
10  Musical notation for Zo - Pa, first example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.


10  Musical notation for Zo - Pa, second example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.


10  Musical notation for Zo - Pa, third example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.


10  Musical notation for Zo - Pa, fourth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.


10  Musical notation for Zo - Pa, fifth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.


10  Musical notation for Zo - Pa, sixth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.


10  Musical notation for Zo - Pa, seventh example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.


10  Musical notation for Zo - Pa, eighth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note. The first two notes are highlighted in pink.

10  Musical notation for Zo - Pa, ninth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.

10  Musical notation for Zo - Pa, tenth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.

10  Musical notation for Zo - Pa, eleventh example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.

10  Musical notation for Zo - Pa, twelfth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.

10  Musical notation for Zo - Pa, thirteenth example. It consists of a sequence of notes with stems and flags, starting with a 'z' symbol and ending with a 'π q' symbol. A '1' is written below the first note and a '0' below the last note.

Grave Mode - Papadic

10	
10	
10	
10	
X0	
X0	
010	
010	
010	

Grave Mode - Papadic

010 \tilde{z} $\frac{0}{1}$ $\frac{5}{-}$ $\frac{0}{\pi q}$

010 \tilde{z} $\frac{0}{1}$ $\frac{0}{\pi q}$

010 \tilde{z} $\frac{0}{?}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{0}{\pi q}$

$\frac{0}{\pi q}$

010 \tilde{z} $\frac{0}{1}$ $\frac{0}{0}$ $\frac{1}{1}$ $\frac{0}{\pi q}$

$\frac{0}{\pi q}$

010 \tilde{z} $\frac{0}{\pi q}$

010 \tilde{z} $\frac{0}{\pi q}$

010 \tilde{z} $\frac{0}{1}$ $\frac{\chi^\alpha}{\chi^\alpha}$ $\frac{0}{\pi q}$

$\frac{\chi^\alpha}{0}$ $\frac{0}{1}$ $\frac{0}{\pi q}$

$\frac{0}{\pi q}$

010 \tilde{z} $\frac{0}{1}$ $\frac{0}{?}$ $\frac{0}{\pi q}$

Grave Mode - Papadic

— ٠ ١ ٠

٠ π_q

OXO

٠ X ٠ π_q

OXO

٠ X ٠ π_q

OXO

٠ X ٠ π_q

OXO

٠ X ٠ π_q

OXO

٠ X ٠ π_q

OXO

٠ X ٠

٠ π_q

OXO

٠ X ٠ π_q

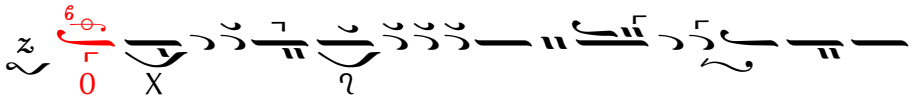
٠ π_q

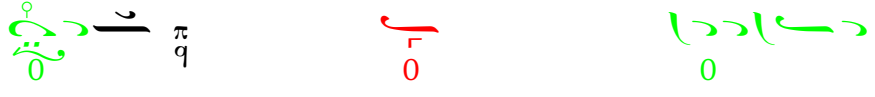
OXO

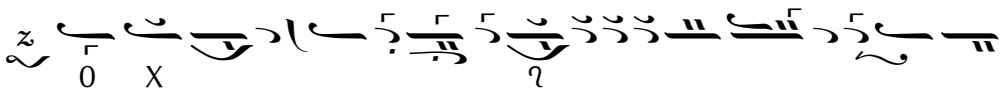
٠ X ٠ π_q

Grave Mode - Papadic

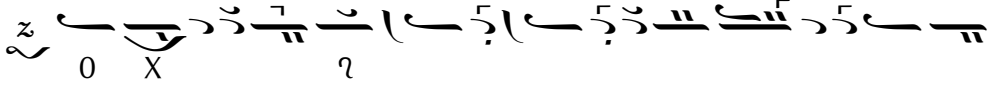
π
 q

oxo 

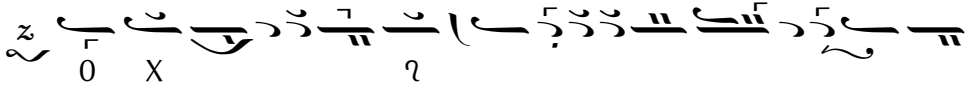


oxo 

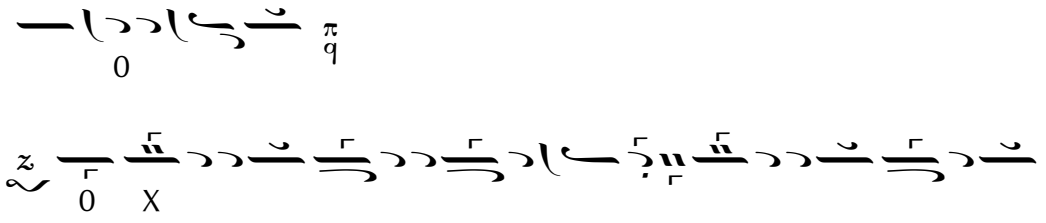
π
 q

oxo 

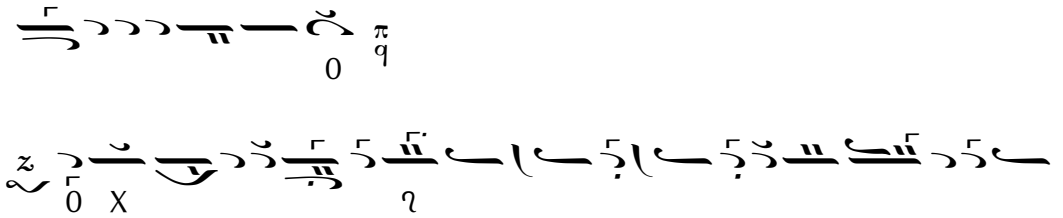
π
 q

oxo 

π
 q

oxo 

π
 q

oxo 

Grave Mode - Papadic

π_q
0

0010

π_q
0 0 1 0

0010

0 0 1 0 0 1

π_q

10010

1 0

2 0 1 0 0 1

π_q
0

10010

π_q
1 0 0

π_q
1 2 0 0

1 0 0 1 0

z

000100010

0 0 0

Grave Mode - Papadic

1 0 π /_q 0

0 1 0 Δ /_q

Pa - Pa

10 π /_q 1 0 π /_q

10 π /_q 1 0 π /_q

10 π /_q 1 0 π /_q

10 π /_q 1 Δ /_q 1

π /_q 0

010 π /_q 0 1 0 π /_q

010 π /_q 0 1 0 π /_q

010 π /_q 0 1

0 π /_q

0010 π /_q 0 0 1 0 π /_q

Grave Mode - Papadic

0010 π
 $\frac{\pi}{q}$ 0 0 1

00010 π
 $\frac{\pi}{q}$ 0 0 0 1

0010010 π
 $\frac{\pi}{q}$ 0 0 1 0 0 1

0010010 π
 $\frac{\pi}{q}$ 0 0 0 0 1 $\frac{\pi}{q}$

Grave Mode - Papadic

High Zo - Pa

010
$$z'_{\lambda} \begin{array}{c} \underbrace{\quad}_{0} \\ \underbrace{\quad}_{1} \\ \chi^{\alpha} \end{array} \text{ } \underbrace{\quad}_{\chi^{\alpha}} \begin{array}{c} \sigma \\ \rho \end{array}$$

$$\chi^{\alpha} \begin{array}{c} \sigma \\ \rho \end{array} + \begin{array}{c} \underbrace{\quad}_{0} \\ \underbrace{\quad}_{1} \\ \end{array} \text{ } \underbrace{\quad}_{0} \begin{array}{c} \sigma \\ \rho \end{array}$$

0010
$$z'_{\lambda} \begin{array}{c} \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{1} \end{array} \begin{array}{c} \sigma \\ \rho \end{array}$$

$$\begin{array}{c} \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{1} \end{array} \begin{array}{c} \sigma \\ \rho \end{array} + \begin{array}{c} \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{1} \end{array} \text{ } \underbrace{\quad}_{0} \begin{array}{c} \sigma \\ \rho \end{array}$$

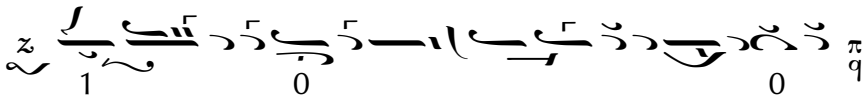
0010010
$$z'_{\lambda} \begin{array}{c} \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{1} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \end{array} \begin{array}{c} \sigma \\ \rho \end{array} \begin{array}{c} \underbrace{\quad}_{1} \\ \underbrace{\quad}_{0} \end{array} \begin{array}{c} \sigma \\ \rho \end{array}$$

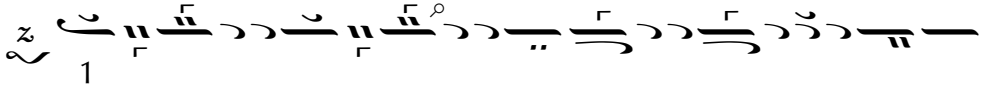
00100010
$$z'_{\lambda} \begin{array}{c} \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{1} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \\ \underbrace{\quad}_{0} \end{array} \begin{array}{c} \sigma \\ \rho \end{array} \begin{array}{c} \underbrace{\quad}_{1} \\ \underbrace{\quad}_{0} \end{array} \begin{array}{c} \sigma \\ \rho \end{array}$$

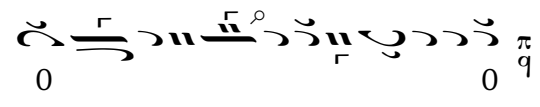
Grave Mode - Papadic

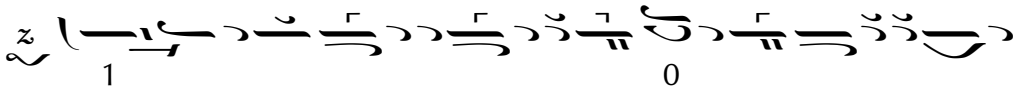
H) Accented on Third to Last Syllable

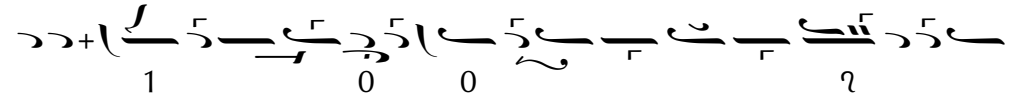
Zo - Pa

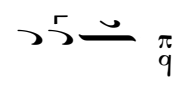
100 

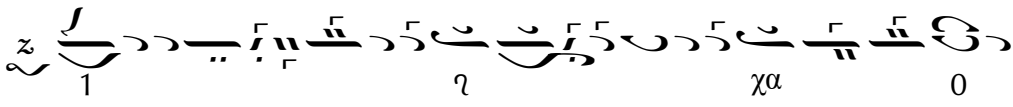
100 

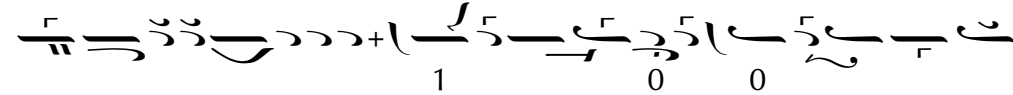


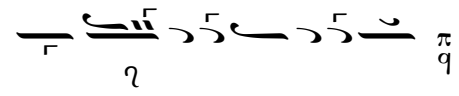
100 

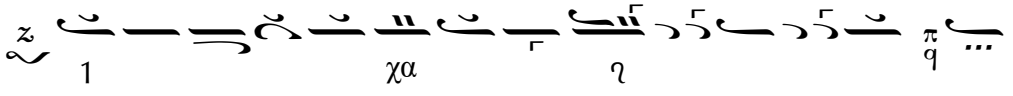





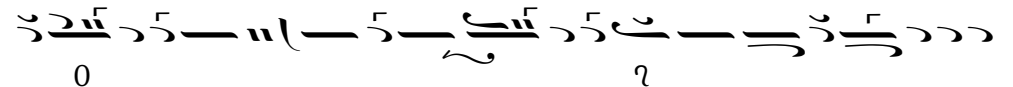
100 





100 





Grave Mode - Papadic

X00

X0X

X01

0100

Grave Mode - Papadic

0100 $\overset{z}{\sim} \underset{0}{\Gamma} \overset{1}{\sim} \dots \overset{z}{\sim} + \underset{0}{\Gamma} \overset{1}{\sim} \dots \underset{0}{\sim}$

$\overset{z}{\sim} \dots \overset{z}{\sim} \overset{\pi}{q}$

0100 $\overset{z}{\sim} \underset{0}{\Gamma} \overset{1}{\sim} \dots \overset{\pi}{q} \dots \overset{z}{\sim} \overset{\pi}{q}$

$\overset{z}{\sim} \overset{\pi}{q} + \dots \overset{\pi}{q}$

0100 $\overset{z}{\sim} \underset{0}{\Gamma} \overset{1}{\sim} \dots \overset{\pi}{q} \dots \overset{z}{\sim} \overset{\pi}{q}$

$\overset{z}{\sim} \dots \overset{z}{\sim} \overset{z}{\sim} + \overset{z}{\sim} \overset{1}{\sim} \overset{0}{\sim} \dots \overset{z}{\sim} \overset{\pi}{q}$

$\overset{z}{\sim} \overset{\pi}{q}$

0100 $\overset{z}{\sim} \underset{0}{\Gamma} \overset{1}{\sim} \dots \overset{\pi}{q} \dots \overset{z}{\sim} \overset{\pi}{q}$

$\overset{z}{\sim} \dots \overset{z}{\sim} \overset{z}{\sim} \overset{z}{\sim} \overset{z}{\sim} \overset{\pi}{q}$

$\overset{z}{\sim} \overset{\pi}{q}$

0100 $\overset{z}{\sim} \underset{0}{\Gamma} \overset{1}{\sim} \dots \overset{\pi}{q} \dots \overset{z}{\sim} \overset{\pi}{q}$

$\overset{z}{\sim} \dots \overset{z}{\sim} \overset{z}{\sim} \overset{\pi}{q} \overset{0}{\sim} \dots \overset{z}{\sim} \overset{\pi}{q} \overset{1}{\sim} \dots \overset{z}{\sim} \overset{\pi}{q}$

Grave Mode - Papadic

0 π
9

0100

0 π
9

0

2 0 1 0

0 π
9

00100

0 0 1

0 0 1 0 0 π

00100

0 0 1

0

0 0 1 0 0 2

π
9

Grave Mode - Papadic

0010100

01000100

Pa - Pa

100

100

100

Grave Mode - Papadic

0100 π_q π_q

0100 π_q π_q

π_q

0100 π_q π_q

π_q

π_q

π_q

0100 π_q π_q

π_q

π_q

00100 π_q π_q

00100 π_q π_q

Grave Mode - Papadic

100100	
100100	
00010100	

Ga - Pa

00100	

Grave Mode - Papadic

Di - Pa

1X0 Δ $\frac{\pi}{\alpha}$ 1 X 0 π

00100 Δ $\frac{\pi}{\alpha}$ 0 0 1 0 0 π

00100 Δ $\frac{\pi}{\alpha}$ 0 0 1 0 π

$\frac{\pi}{q}$ 0 $\frac{\pi}{q}$ 0

00100 Δ $\frac{\pi}{\alpha}$ 0 0 1 π

$\frac{\pi}{q}$ 0 0 1 0 0

$\frac{\pi}{q}$

00100 Δ $\frac{\pi}{\alpha}$ 0 0 1 π

$\frac{\pi}{q}$ 0 0 1 0 0

$\frac{\pi}{q}$

00100 Δ $\frac{\pi}{\alpha}$ 0 0 1 $\chi\alpha$ 0

$\frac{\pi}{q}$ 0 1 0 0

Grave Mode - Papadic

$$\frac{\pi}{1 \quad 0 \quad 0}$$

00100

$$\frac{\Delta}{\delta} \frac{\pi}{0 \quad 0 \quad 1 \quad \chi^q} \frac{\pi}{2}$$

$$\frac{\chi^\alpha}{\pi^q} + \frac{\pi}{0 \quad 0 \quad 1}$$

$$\frac{\pi}{0 \quad 0 \quad 0}$$

$$\frac{\pi}{1 \quad 0 \quad 0} \frac{\pi}{q}$$

High Zo - Pa

0100

$$\frac{z'}{\lambda} \frac{\pi}{0 \quad 1 \quad 0 \quad 0} \frac{\pi}{q}$$

00100

$$\frac{z'}{\lambda} \frac{\pi}{0 \quad 0 \quad 1 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0} \frac{\pi}{q}$$

00100

$$\frac{z'}{\lambda} \frac{\pi}{0 \quad 0 \quad 1 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0}$$

$$\frac{\pi}{0} \frac{\pi}{q}$$

00100

$$\frac{z'}{\lambda} \frac{\pi}{0 \quad 0 \quad 1 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0}$$

$$\frac{\pi}{0} \frac{\pi}{q}$$

00100

$$\frac{z'}{\lambda} \frac{\pi}{0 \quad 0 \quad 1} \frac{\Delta}{\delta} \frac{\pi}{0 \quad 0 \quad 0} \frac{\pi}{q}$$

Grave Mode - Papadic

00100

00100

00100

000100

Grave Mode - Papadic

I) Accented on Fourth to Last Syllable

Zo - Pa

1001 π_9

Pa - Pa

1010 π_9

0 1 0 0

1 0 π_9

01001 π_9 0 1 0 0 2

0 0 0 0 0

1 2 π_9

Di - Pa

1001 π_9 1 2

0 1 0 0 1 2

0 1 0 0 0 0

Grave Mode - Papadic

1 0 0 1 π_q

01010

Δ 0 1 0 1 z'_λ

z'_q

0 π_q

High Zo - Pa


001010

z'_λ 0 0 1 0 1 0 π_q

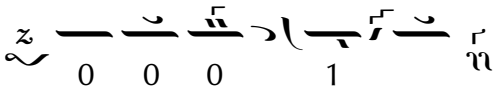
Medial Cadences on Ga

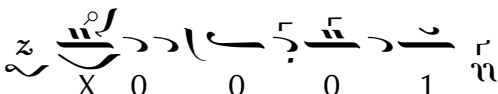
J) Accented on Last Syllable

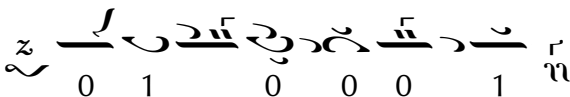
Zo - Ga

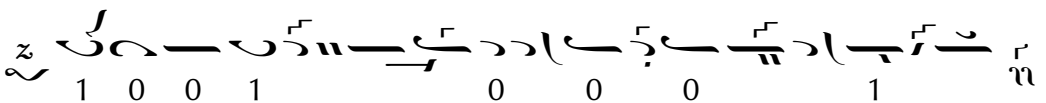
001 

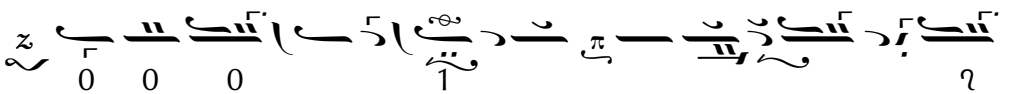


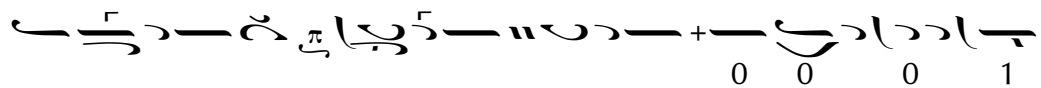
0001 

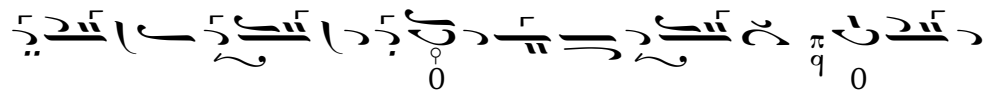
X0001 

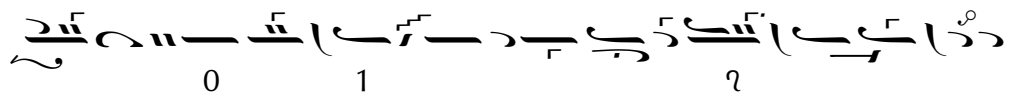
010001 

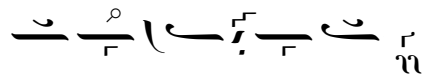
10010001 

00010001 



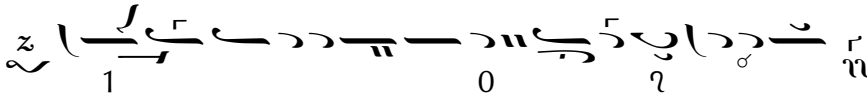
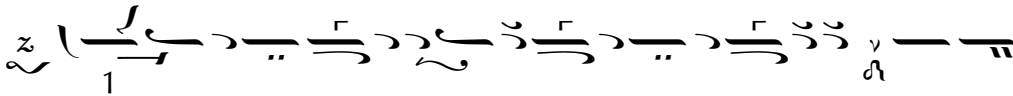

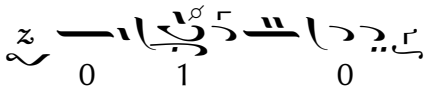
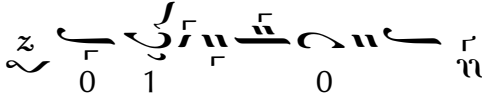
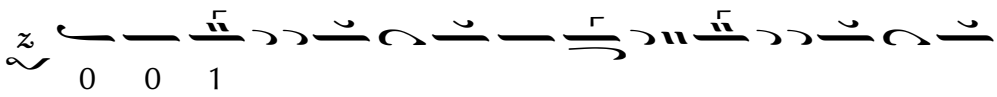
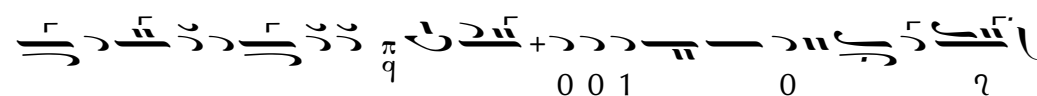

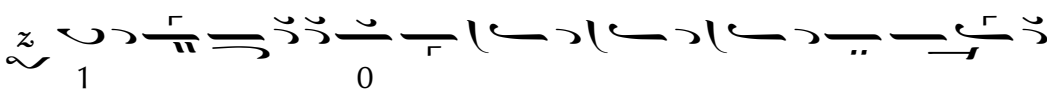
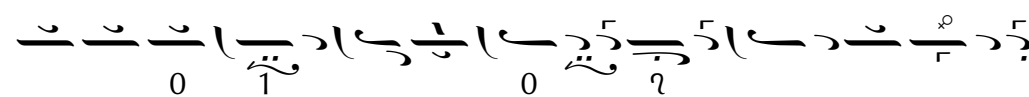
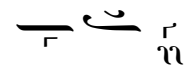







K) Accented on Second to Last Syllable

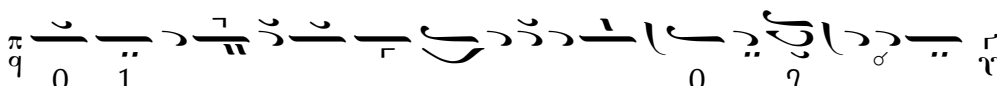
Zo - Ga

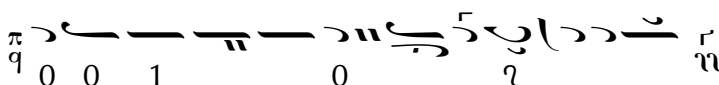
10	
10	
	
010	
010	
0010	
	
	
100010	
	
	

Grave Mode - Papadic

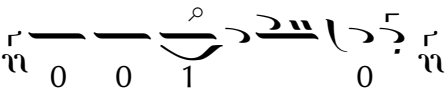
Pa - Ga

10 

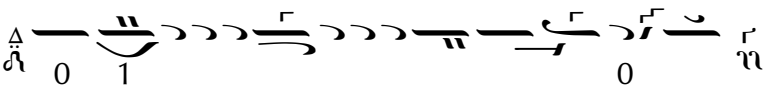
010 

0010 

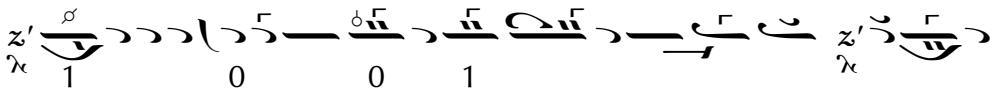
Ga - Ga

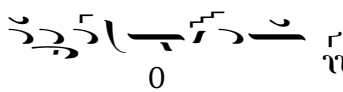
0010 

Di - Ga

010 

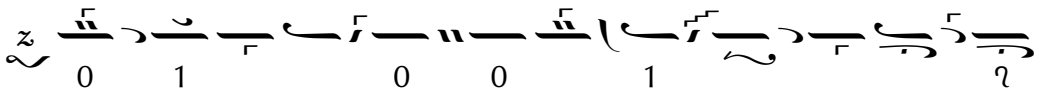
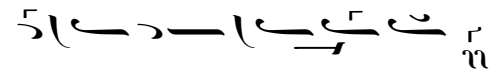
High Zo - Ga

10010 



L) Accented on Fourth to Last Syllable


Zo - Ga

01001 


Medial Cadences on Di

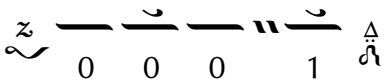
M) Accented on Last Syllable

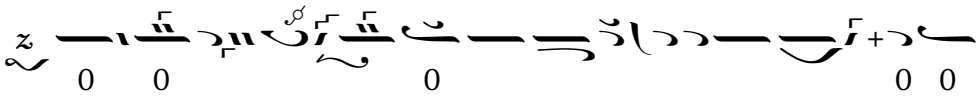
Zo - Di

001 


001 

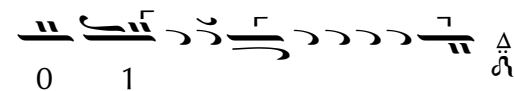


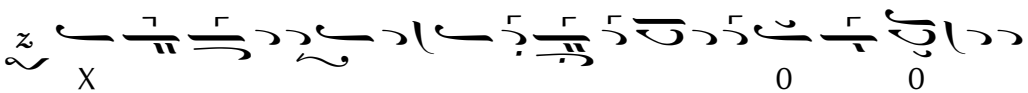
0001 

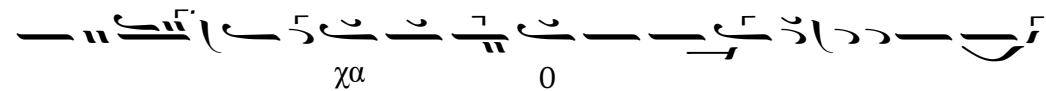
0001 

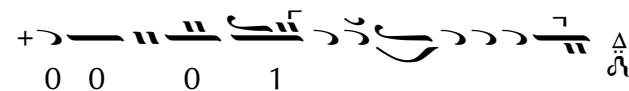


X00001 



X00001 





Grave Mode - Papadic

X00001

100001

100001

100001

100001

100001

100001

100001

100001

100001

100001

Grave Mode - Papadic

100001

100001

100001

Grave Mode - Papadic

0 0 0 0 0 1

$\frac{\Delta}{\delta}$

Pa - Di

0001 $\frac{\pi}{q}$

 0 0 0 0 0 0 0 1 $\frac{\Delta}{\delta}$

0001 $\frac{\pi}{q}$

 0 0 0 0 0 0 1

$\frac{\Delta}{\delta}$

0001 $\frac{\pi}{q}$

 0 0 0 0 0 0

1 $\frac{\Delta}{\delta}$

0 1 1

100001 $\frac{\pi}{q}$

 1 2 0

0 0 0 $\frac{\pi}{q}$ 0

0 0 0 1

$\frac{\Delta}{\delta}$

Grave Mode - Papadic

100001

Di - Di

0001

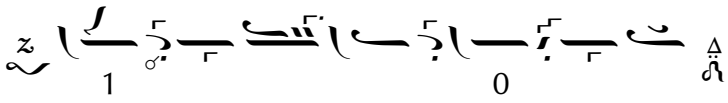
High Zo - Di

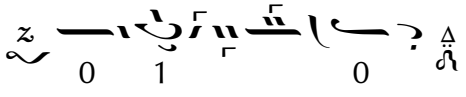
00


001

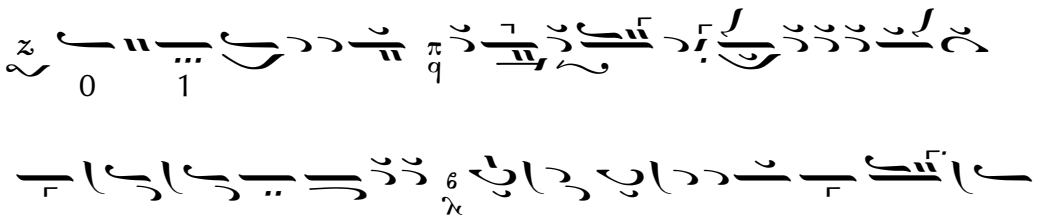
N) Accented on Second to Last Syllable


Zo - Di


10 


010 

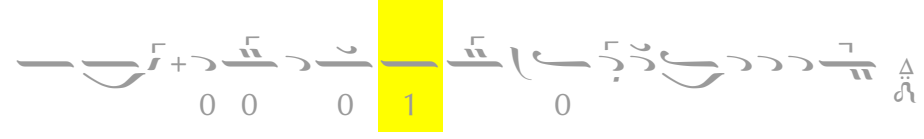
010 


010 


00010 

000010 

000010 

000010 

000010 

000010 

Grave Mode - Papadic

000010

Pa - Di

10

10

10

010

0010

Grave Mode - Papadic

0010 π
9 0 0 0 0 1

0 Δ
A

0010 π
9 0 0 1 0 0 1

0 Δ
A

0010 π
9 0 0 1 2

0 0 1 0 Δ
A

10010 π
9 1 0 1 0 0 1 χ^{α}

χ^{α} 0

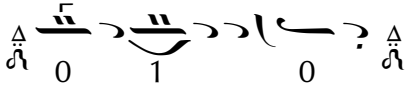
Δ
A

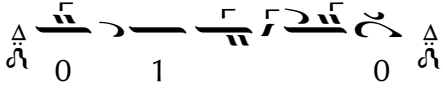
Di - Di

10 Δ
A 1 0 Δ
A

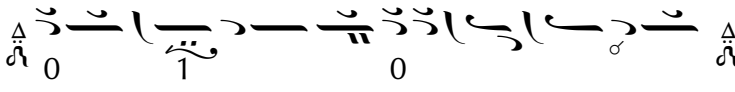
10 Δ
A 1 0 Δ
A

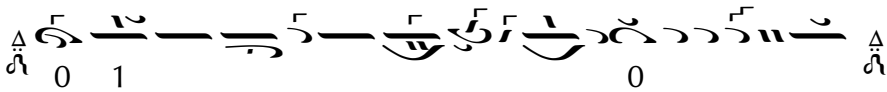
Grave Mode - Papadic

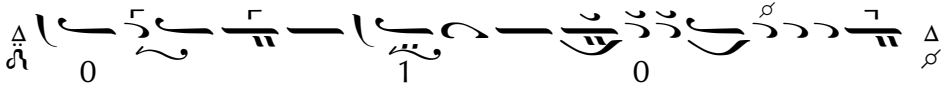
010 

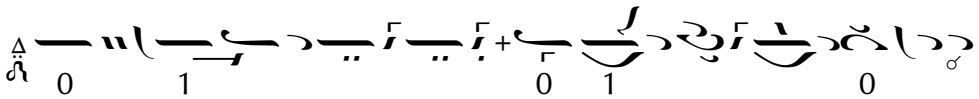
010 

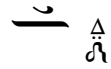
010 

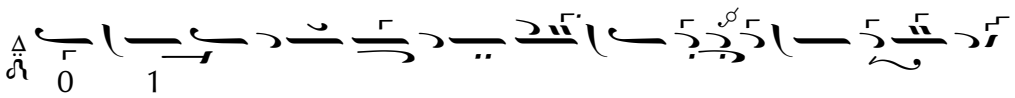
010 

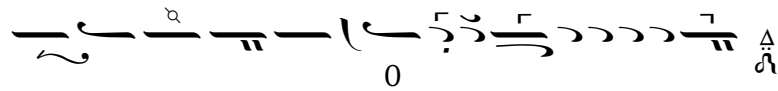
010 

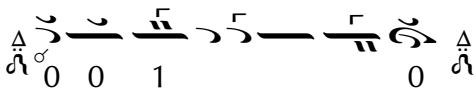
010 

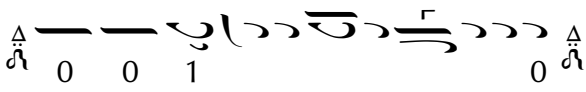
010 



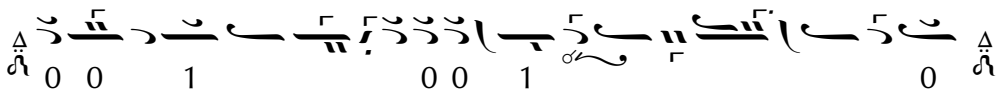
010 

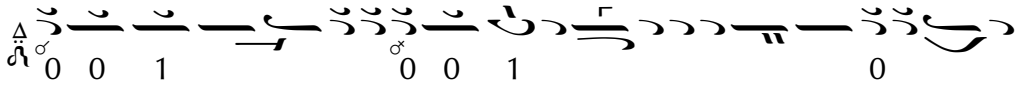


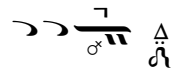
0010 

0010 

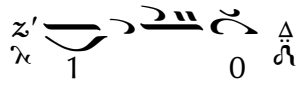
Grave Mode - Papadic

0010010 


0010010 

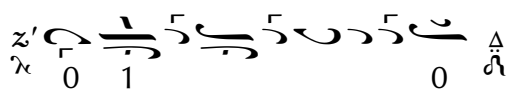


High Zo - Di


10 

10 

010 

010 

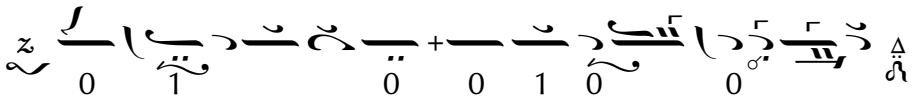
00110 

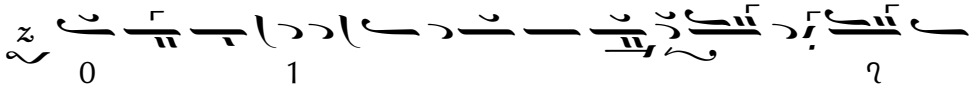
10010 

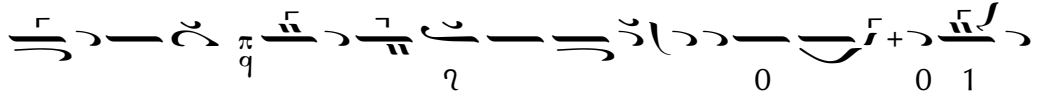
Grave Mode - Papadic

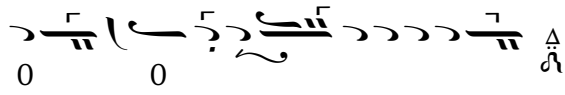
O) Accented on Third to Last Syllable

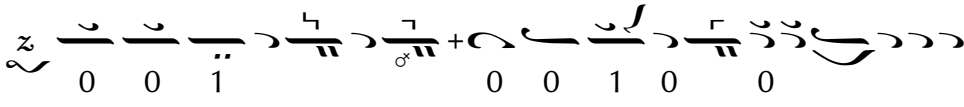
Zo - Di


0100 

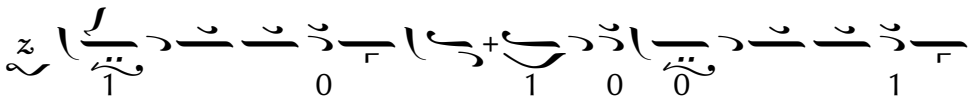
0100 

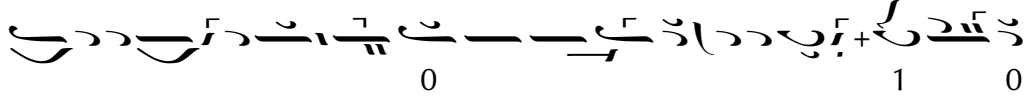


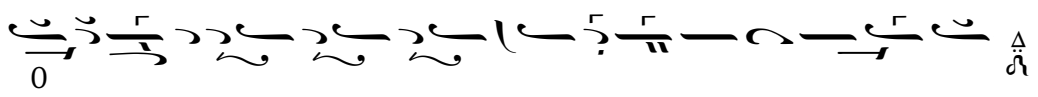



00100 




100100 





100100100 



Grave Mode - Papadic

Pa - Di

0100

00100

00100

Di - Di

00100

High Zo - Di

100

Grave Mode - Papadic

P) Accented on Fourth to Last Syllable

Zo - Di

1000

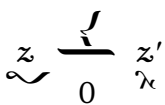
1000


0001010

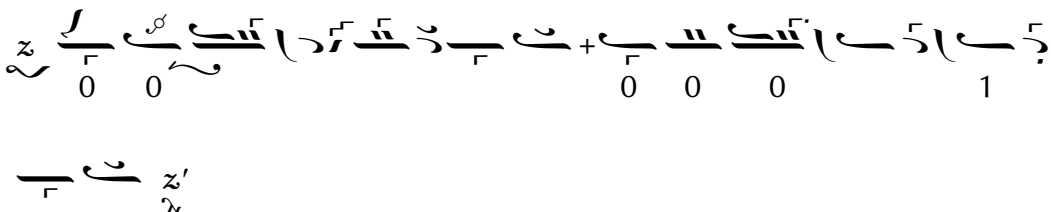
Medial Cadences on High Zo


Q) Accented on Last Syllable

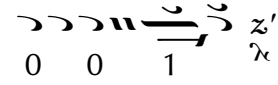
Zo - High Zo

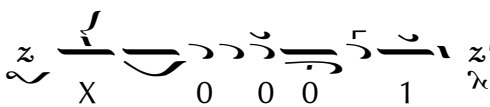
0 


001 

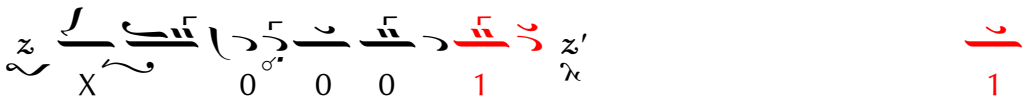
0001 

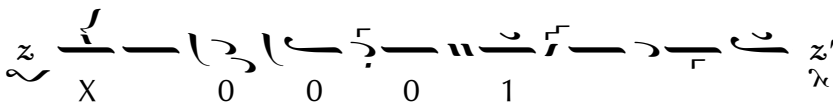
0001 

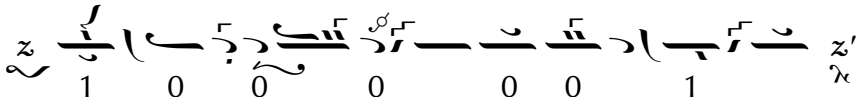
0001 

X0001 

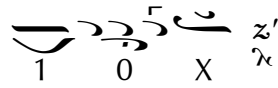
X0001 

X0001 

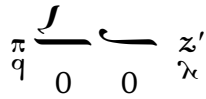
X0001 

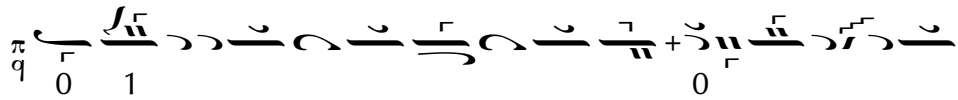
1000001 

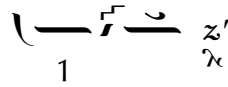
Grave Mode - Papadic

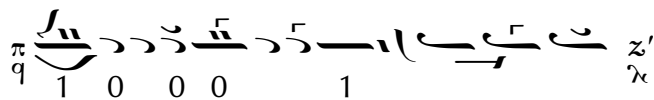


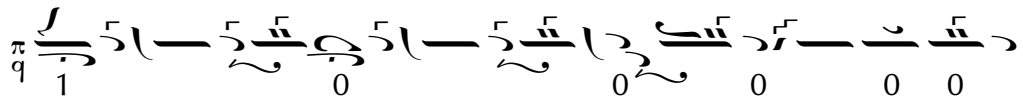
Pa - High Zo

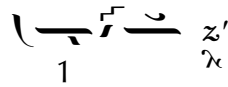
00 

01 



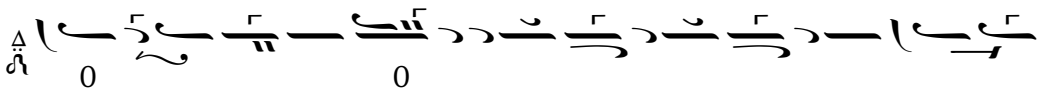
10001 

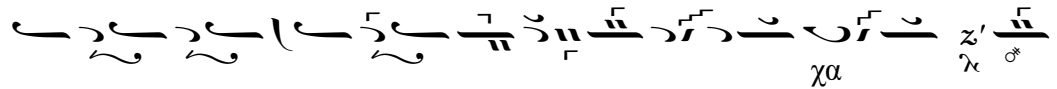
1000001 



Di - High Zo

0001 

0001 





Grave Mode - Papadic

0001

0001

10001

High Zo - High Zo

01

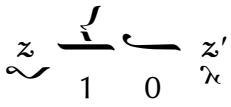
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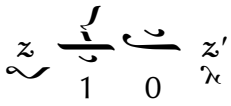
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00001

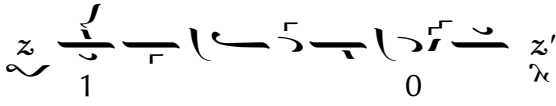
R) Accented on Second to Last Syllable


Zo - High Zo

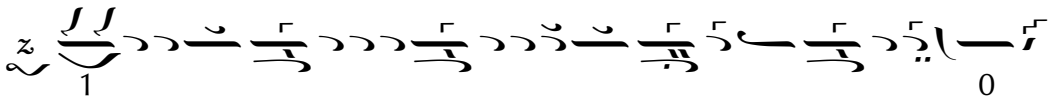
10 

10 

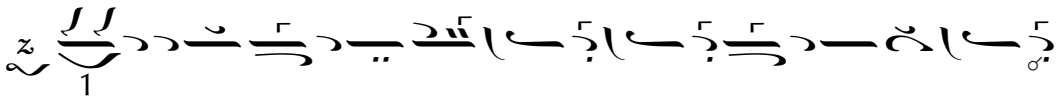
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10 

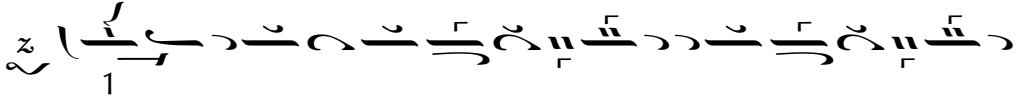
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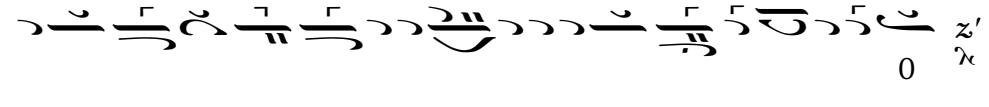
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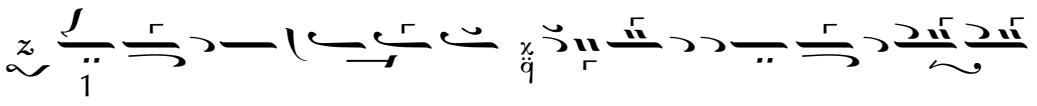


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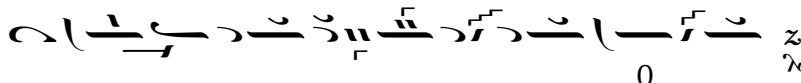
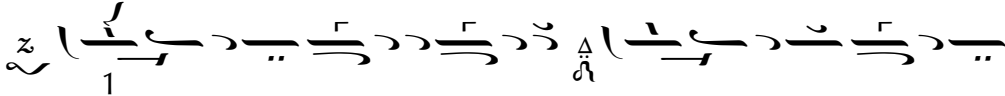
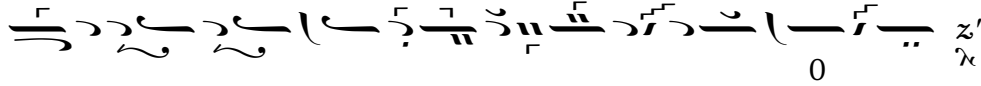


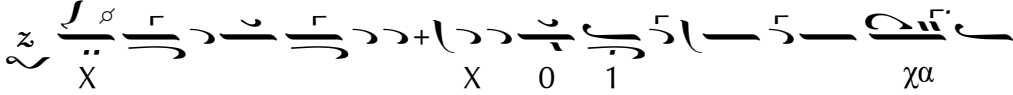
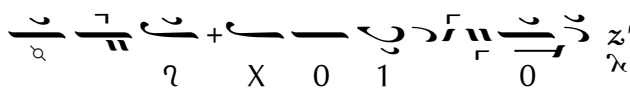
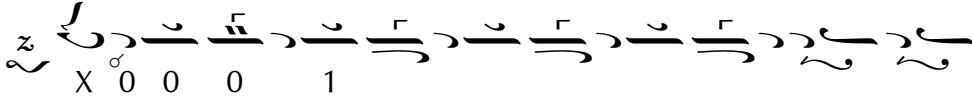
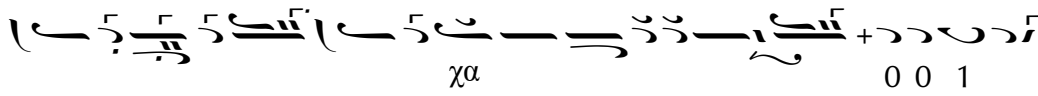
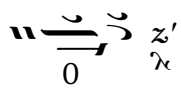
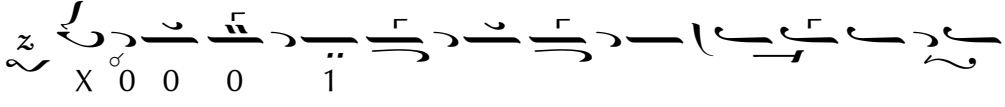



10 



10 

Grave Mode - Papadic

	
10	
	
010	
0010	
X010	
	
X00010	
	
	
X00010	
	

Grave Mode - Papadic

0 0 1 0

z'
 λ

01000010

0 1 0 0 0 0 1

0 1 0 z'
 λ

10100010

1 0 1 0 0 0 1 0 z'
 λ

Pa - High Zo

010

π
 q 0 1 Δ

z'
 λ

0010

π
 q 0 0 1 0

z'
 λ

Grave Mode - Papadic

010

010

010

010

Grave Mode - Papadic


X0010

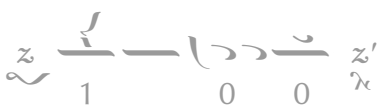
000010

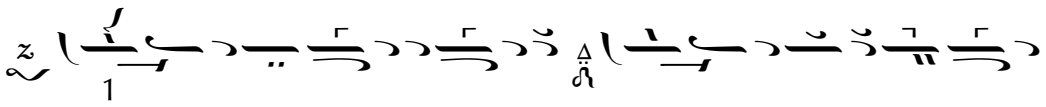
100010

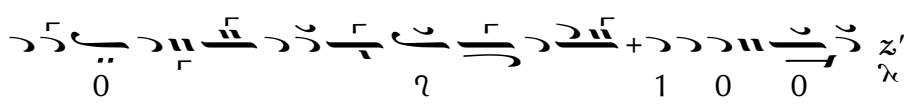
S) Accented on Third to Last Syllable

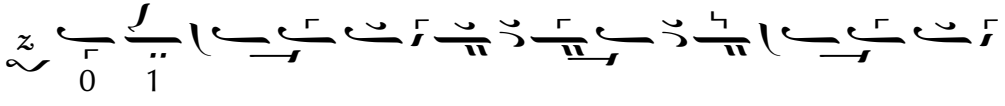
Zo - High Zo


100 

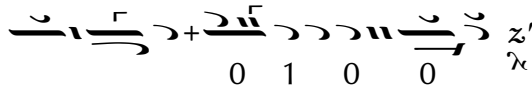
100 

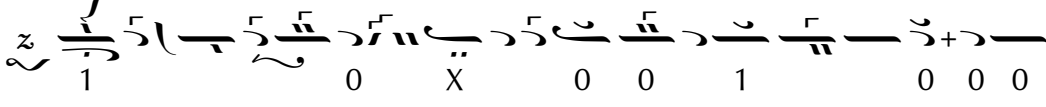
100 

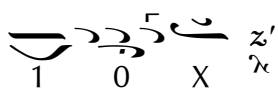


0100 





10X0010X 



Grave Mode - Papadic

Pa - High Zo

00100 $\overset{\pi}{q}$ $\overset{z'}{\lambda}$
0 0 1 0 0 0 1 0 0

0000100 $\overset{\pi}{q}$ $\overset{z'}{\lambda}$
0 0 0 0 1 0 0 1 0 1

$\overset{z'}{\lambda}$

Di - High Zo

100 $\overset{\Delta}{d}$ $\overset{z'}{\lambda}$
1 0 0

100 $\overset{\Delta}{d}$ $\overset{z'}{\lambda}$
1 0 0

100 $\overset{\Delta}{d}$ $\overset{z'}{\lambda}$
1

0

$\overset{z'}{\lambda}$
1 0 0

100 $\overset{\Delta}{d}$ $\chi\alpha$

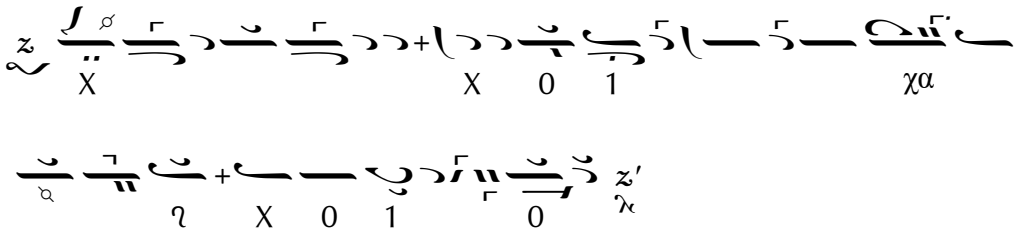
$\chi\alpha$ $\overset{z'}{\lambda}$

$\overset{z'}{\lambda}$
1 0 0

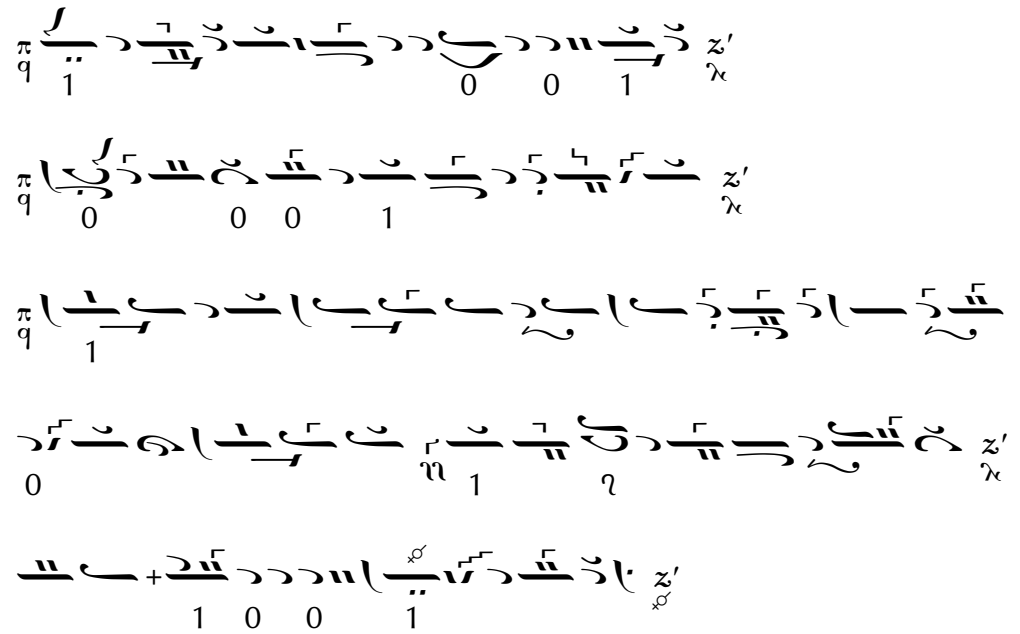
Grave Mode - Papadic

T) Accented on Fourth to Last Syllable

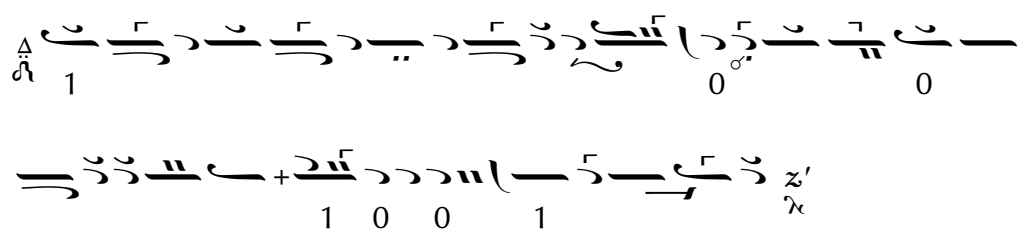
Zo - High Zo

X010 

Pa - High Zo

1001 

Di - High Zo

1001 

Grave Mode - Papadic

01010 Δ
 δ $\frac{\Gamma}{0}$ \curvearrowright $\frac{\Gamma}{1}$ \curvearrowright $\frac{\Gamma}{0}$ \curvearrowright $\frac{\Gamma}{1}$

$\frac{\Gamma}{0}$ $\frac{z'}{\lambda}$

001010 Δ
 δ $\frac{\Gamma}{0}$ $\frac{\Gamma}{0}$ $\frac{\Gamma}{1}$

$\frac{\Gamma}{0}$ $\frac{\Gamma}{1}$ $\frac{\Gamma}{0}$


$\frac{\Gamma}{0}$ $\frac{z'}{\lambda}$

0001010 Δ
 δ $\frac{\Gamma}{0}$ $\frac{\Gamma}{0}$ $\frac{\Gamma}{0}$ $\frac{\Gamma}{1}$ $\frac{\Gamma}{0}$ $\frac{\Gamma}{0}$

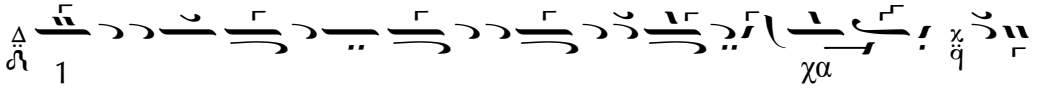
$\frac{\Gamma}{1}$ $\frac{\Gamma}{0}$ $\frac{z'}{\lambda}$

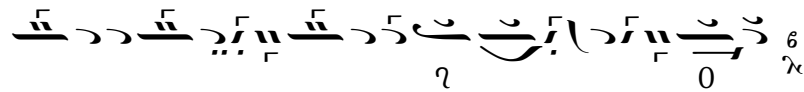
Other Medial Cadences

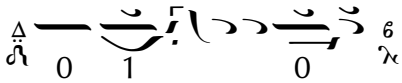
U) Medial Cadences on Nee

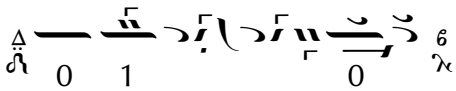
10010 

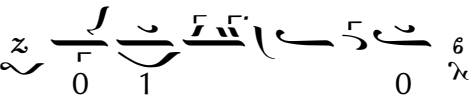
V) Medial Cadences on Vou

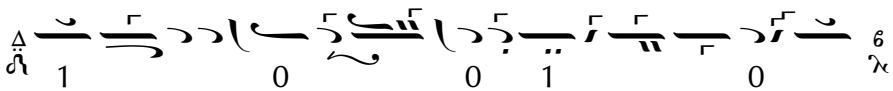
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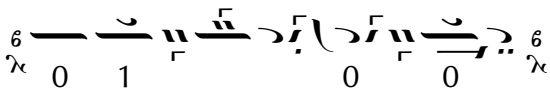


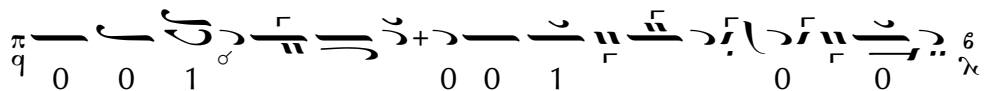
010 

010 

010 

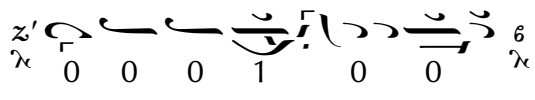
100 


0100 

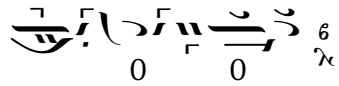
00100 

10010 

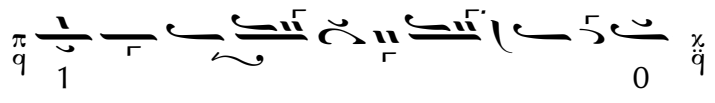
Grave Mode - Papadic

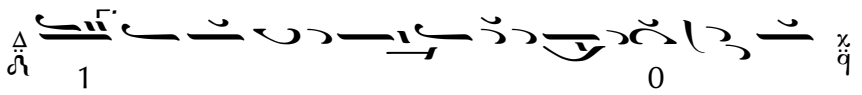
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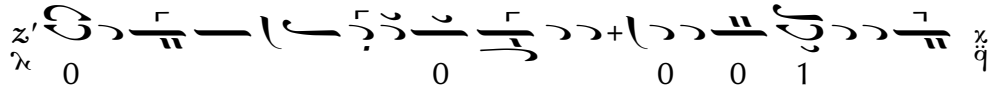
010001 

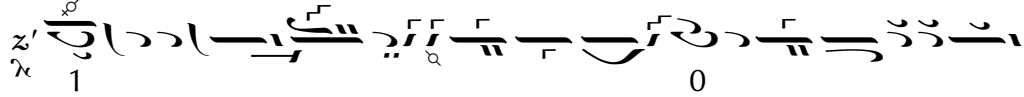


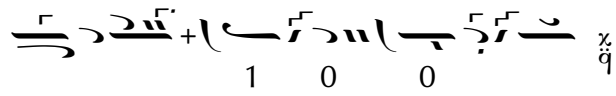
W) Medial Cadences on Ke

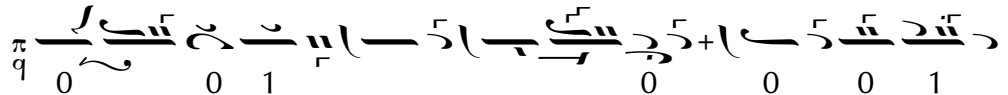
10 

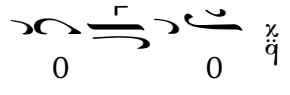
10 

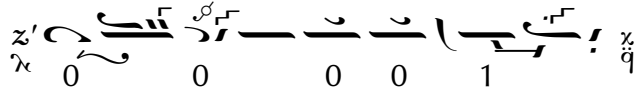
001 

100 

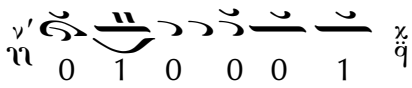


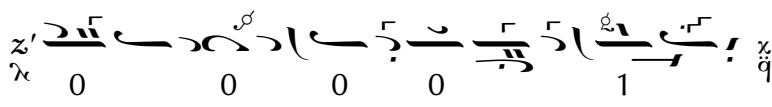
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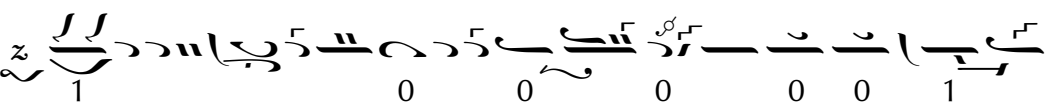



00001 

Grave Mode - Papadic

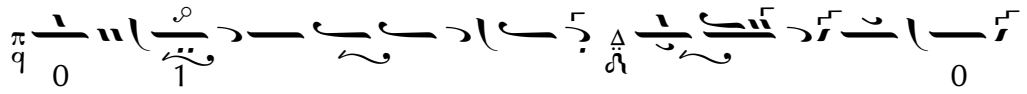
010001 

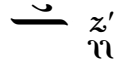
000001 

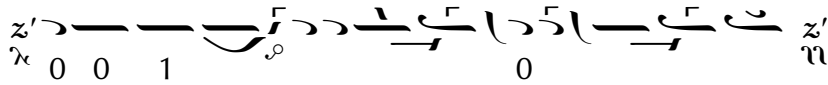
1000001 

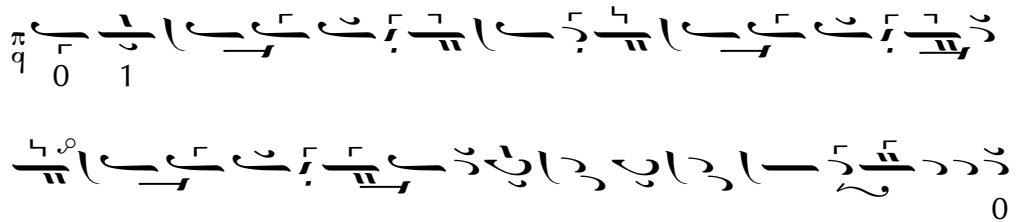


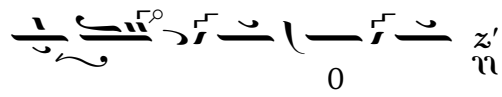
X) Medial Cadences on Enharmonic High Zo

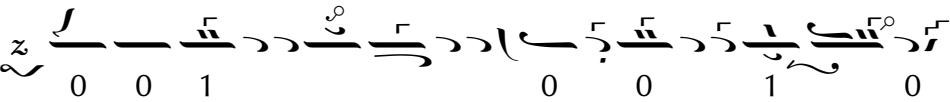
010 



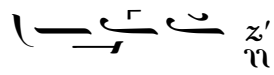
0010 

0100 

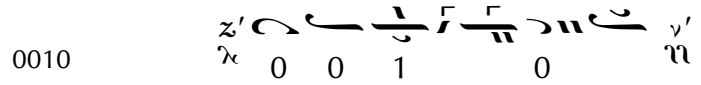
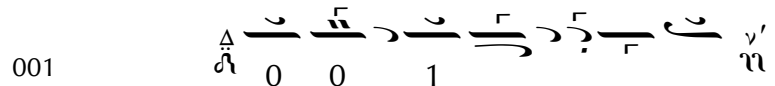
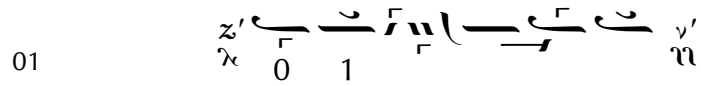


0010010 

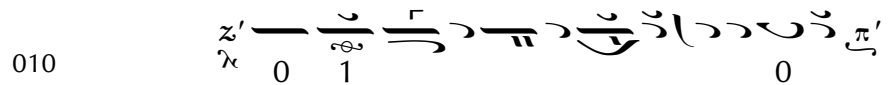
Grave Mode - Papadic



Y) Medial Cadences on High Nee

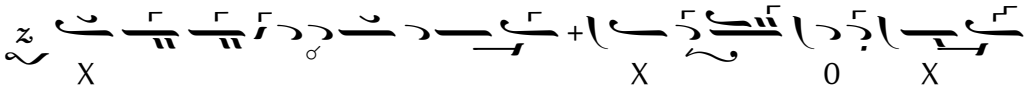


Z) Medial Cadences on High Pa

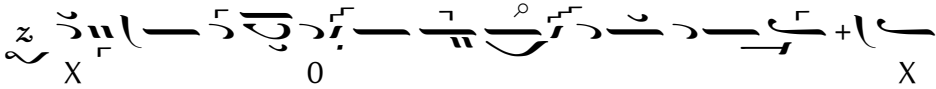


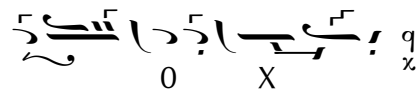
Grave Mode - Papadic

AA) Medial Cadences on Low Ke

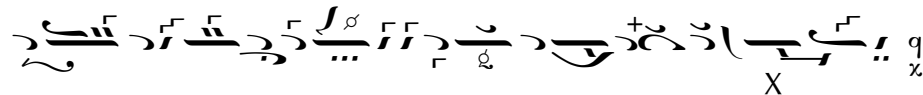
X0X  Musical notation for X0X cadence 1. It starts with a z symbol, followed by a sequence of notes with stems and flags. There are X symbols under the first and last notes, and a 0 symbol under a note in the middle. The notation ends with a plus sign and a z symbol.

! q
x

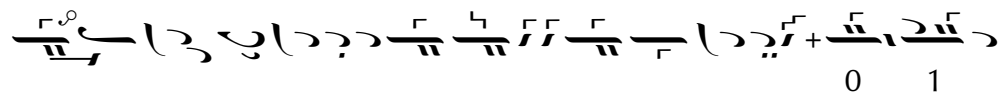
X0X  Musical notation for X0X cadence 2. It starts with a z symbol, followed by notes with stems and flags. There are X symbols under the first and last notes, and a 0 symbol under a note in the middle. The notation ends with a plus sign and a z symbol.

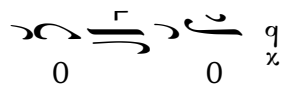
 Musical notation for X0X cadence 2 continuation. It shows notes with stems and flags, with a 0 symbol under a note and an X symbol under another note. It ends with a q symbol and an x symbol.


X0X  Musical notation for X0X cadence 3. It starts with a z symbol, followed by notes with stems and flags. There is an X symbol under the first note.

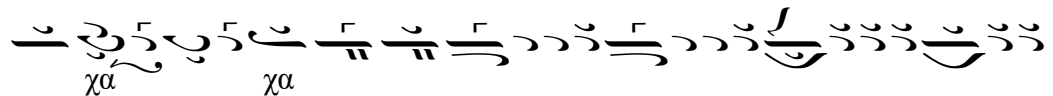
 Musical notation for X0X cadence 3 continuation. It shows notes with stems and flags, with an X symbol under a note and a q symbol and an x symbol at the end.

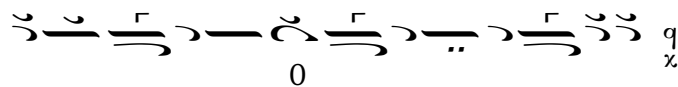
0010  Musical notation for 0010 cadence 1. It starts with a z symbol, followed by notes with stems and flags. There are 0, 1, and q symbols under notes, and a χα symbol at the end.

 Musical notation for 0010 cadence 1 continuation. It shows notes with stems and flags, with 0 and 1 symbols under notes.

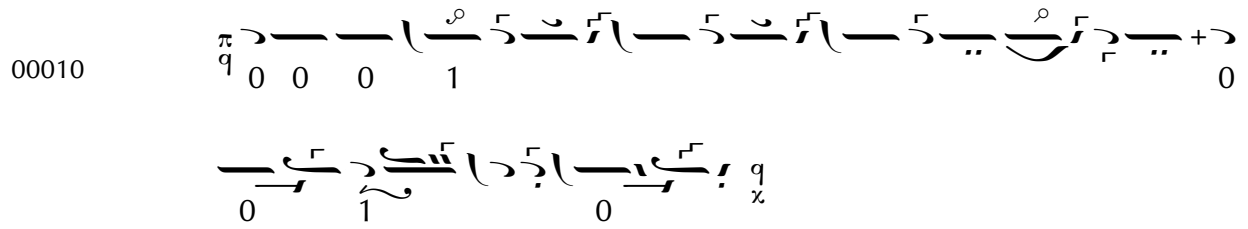
 Musical notation for 0010 cadence 1 continuation. It shows notes with stems and flags, with 0 symbols under notes and a q symbol and an x symbol at the end.

0010  Musical notation for 0010 cadence 2. It starts with a z symbol, followed by notes with stems and flags. There are 0, 0, 1, and χα symbols under notes.

 Musical notation for 0010 cadence 2 continuation. It shows notes with stems and flags, with χα symbols under notes.

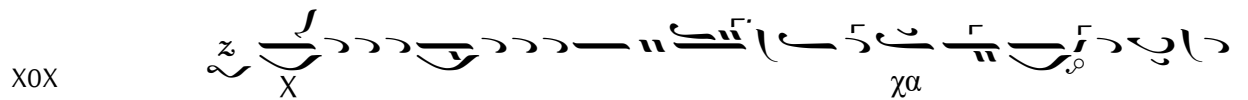
 Musical notation for 0010 cadence 2 continuation. It shows notes with stems and flags, with a 0 symbol under a note and a q symbol and an x symbol at the end.

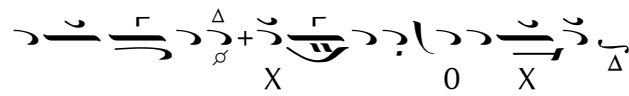
Grave Mode - Papadic

00010 

AB) Medial Cadences on Low Di

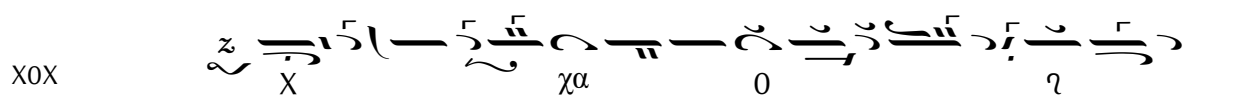
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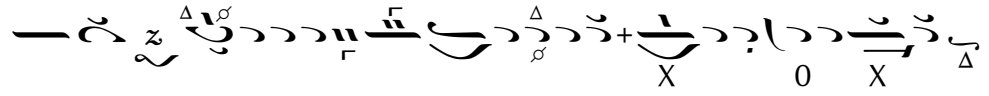
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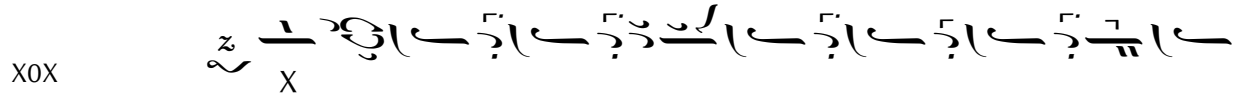


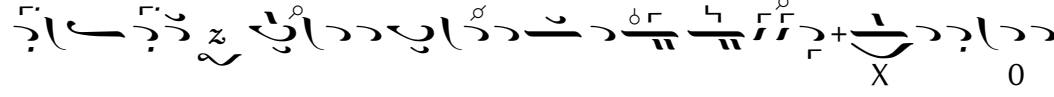
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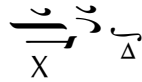
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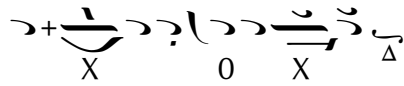
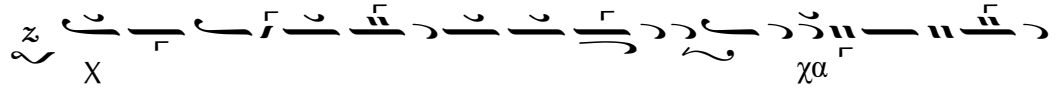
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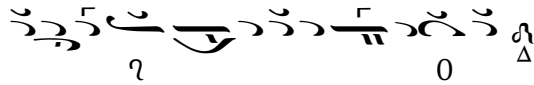
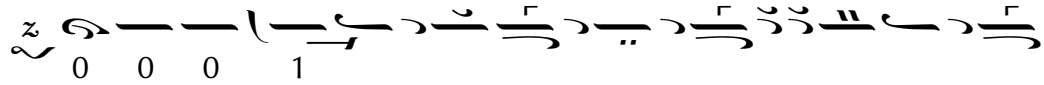
Grave Mode - Papadic



X0X

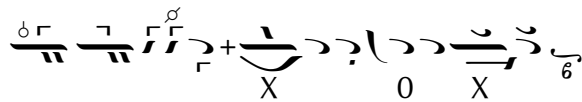
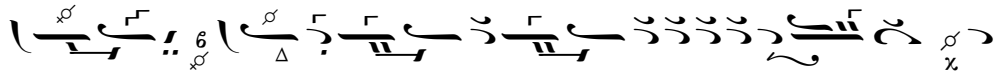
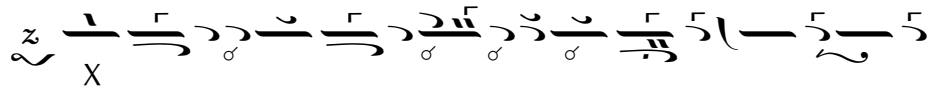


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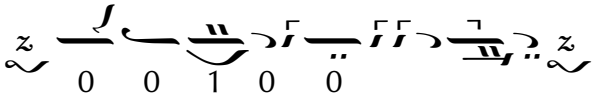


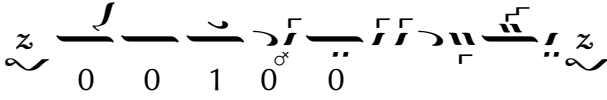
AC) Medial Cadences on Low Vou

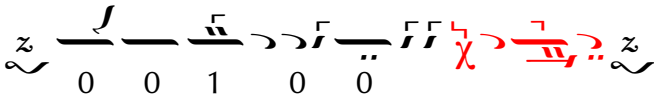
X0X



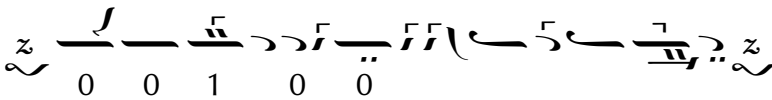
Grave Mode - Papadic

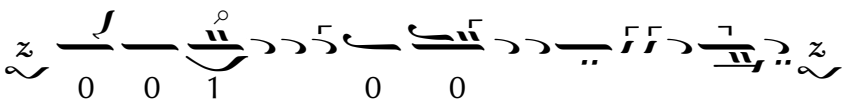
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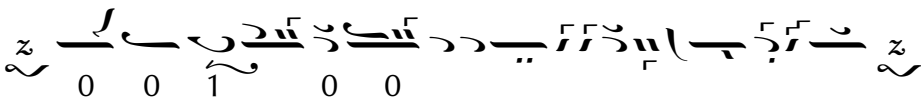
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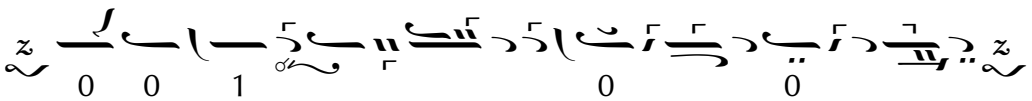
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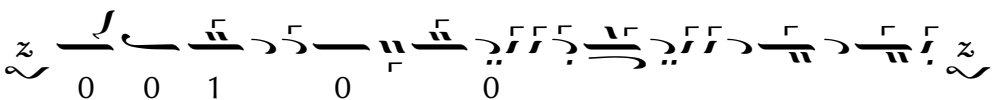


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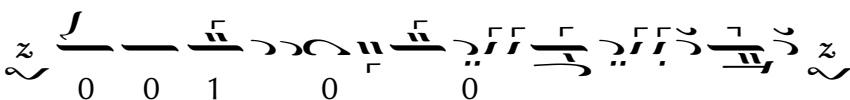
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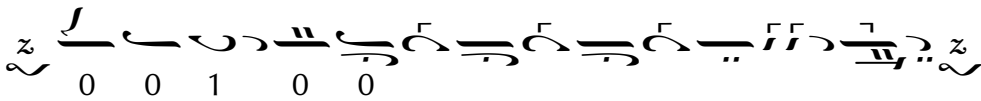
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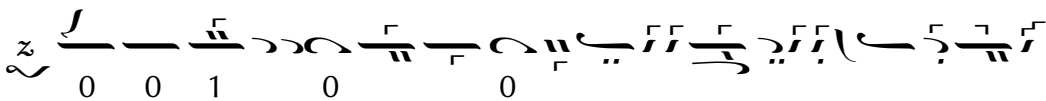


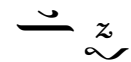
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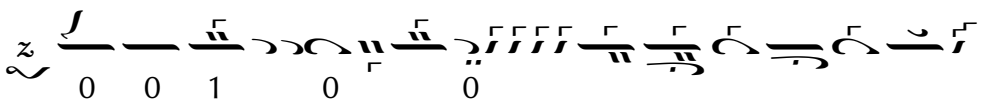
Grave Mode - Papadic

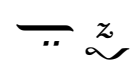
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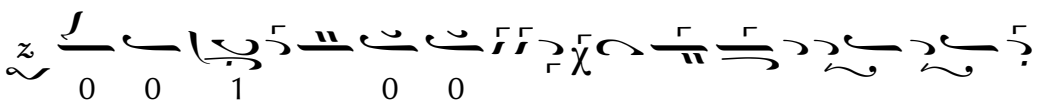
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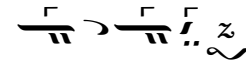
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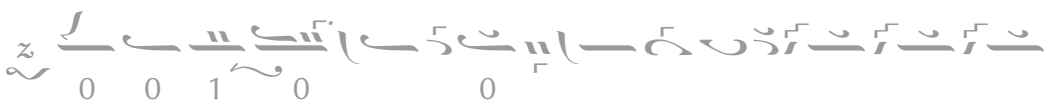



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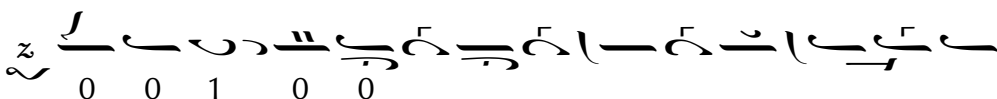


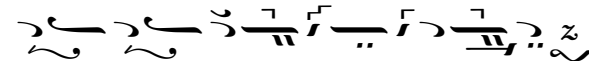
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Grave Mode - Papadic

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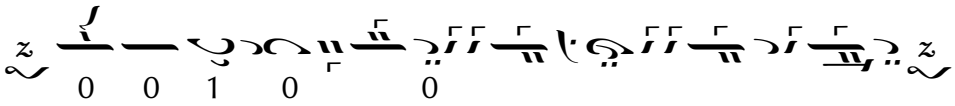
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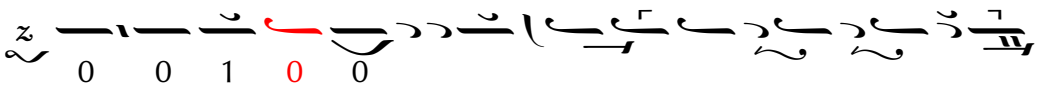
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00100

Grave Mode - Papadic

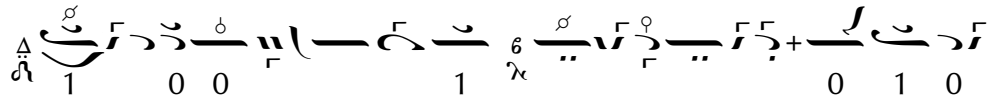
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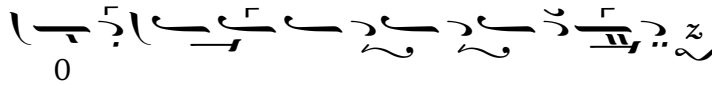
Zo - Pa

00100 

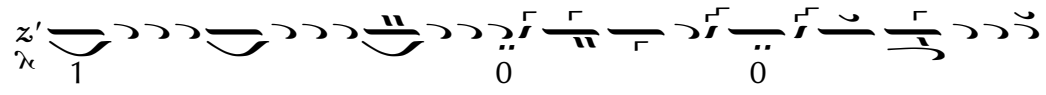


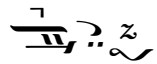
Di - Zo

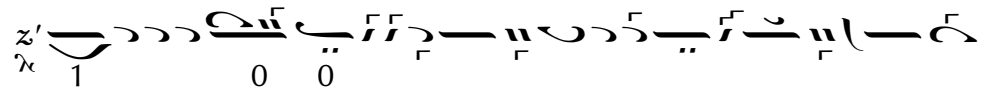
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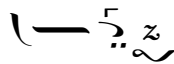


High Zo - Zo

100 



100 



Grave Mode - Papadic

100

$\overset{z'}{\lambda}$

100

$\overset{z'}{\lambda}$

10X

$\overset{z'}{\lambda}$

00100

$\overset{z'}{\lambda}$

00100

$\overset{z'}{\lambda}$

00100

$\overset{z'}{\lambda}$

