




# KOINΩNIKA TΩN KYPIAKΩN


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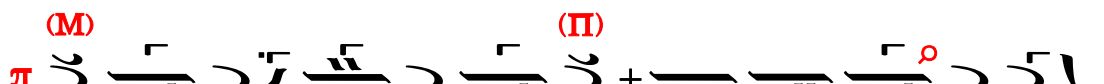

  
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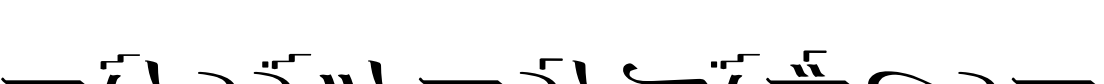

  
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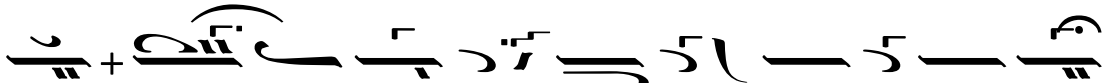

  
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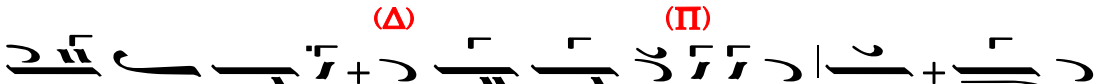

  
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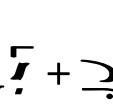

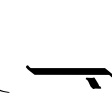

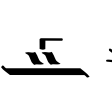
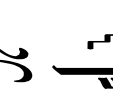
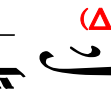













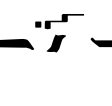
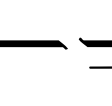
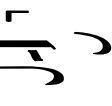
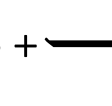
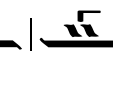
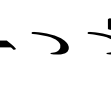
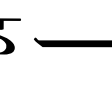


A complex Feynman diagram representing a 2-loop self-energy correction. It features a central fermion line with a loop structure. A red triangle labeled 'A' is part of the loop. Various external lines and vertices are labeled with 'E' and 'F'.


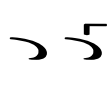

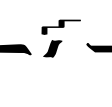
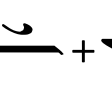

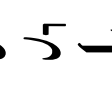
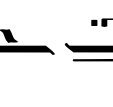
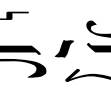
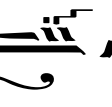
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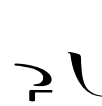
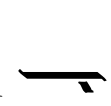




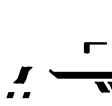

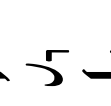
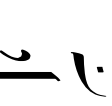
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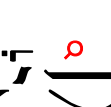


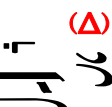

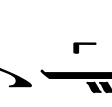


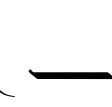
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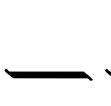
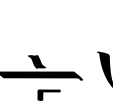


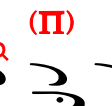
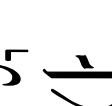


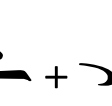
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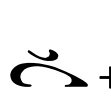
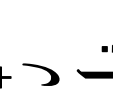


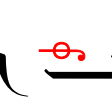

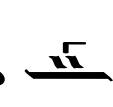
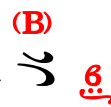
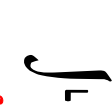
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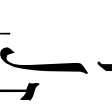
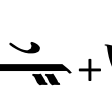



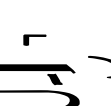

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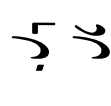


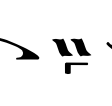
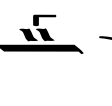
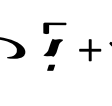
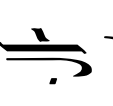
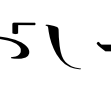
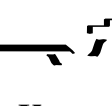
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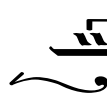
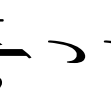
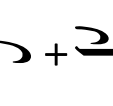
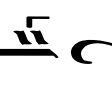
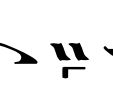
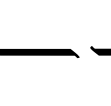

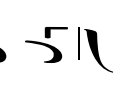

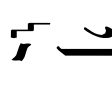
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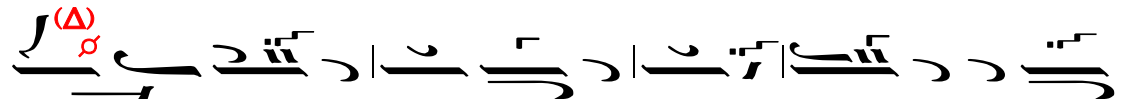











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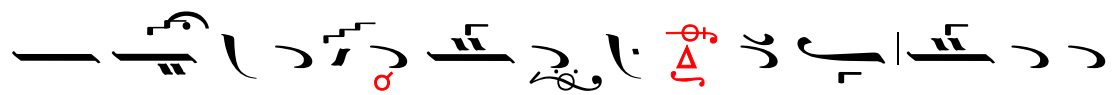











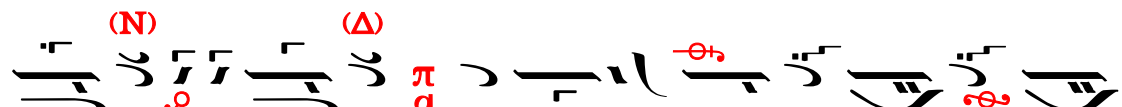
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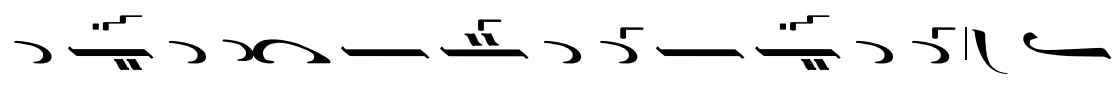

  
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$\chi\varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon\chi$

(Z)  
 $\tau\omega \quad \omega \quad \omega \quad \omega \quad \omega \quad \omega \quad \omega \quad \omega \quad \omega$

$\omega \quad \omega\gamma \quad \omicron\upsilon \quad \omicron\upsilon \quad \omicron\upsilon \quad \omicron\upsilon \quad \iota\omicron\upsilon \quad \omicron\upsilon \quad \omicron\upsilon$

(Γ)  
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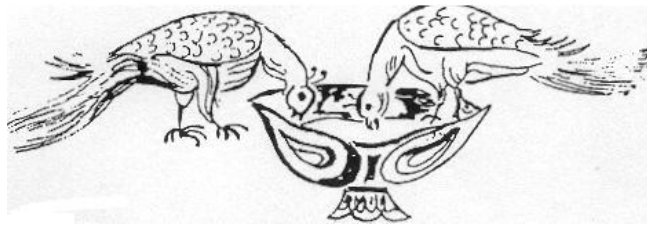
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$$H_{\chi^{\text{oc}} \delta} \Delta_i \bar{x}$$

$$\begin{array}{cccccccc} \text{(\Delta)} & & & & & & & \\ \text{a} & \text{v} & \text{e} & \text{e} & \text{e} & \text{e} & \text{e} & \text{e} \end{array}$$

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$$\begin{array}{cccccccc} \text{(\Pi)} & & & & & & & \pi q \\ & \chi & & & & & & \end{array}$$

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$$\begin{array}{cccccccc} \Delta_i & & & & & & & \\ & & & & & & & \end{array}$$

$$\begin{array}{cccccccc} \text{(\Delta)} & & & & & & & \pi' q \\ & & & & & & & \end{array}$$

$$\begin{array}{cccccccc} \Delta_i & & & & & & & \end{array}$$

$$\begin{array}{cccccccc} & + & & & & & & \\ & & & & & & & \end{array}$$

(B)

ελ ελ ελ ελ ελ ελ ελ

(Δ)

χελ ελ ελ ελ ελ αλ γελ ελ

τελ ε ε ε ε ε ε ε

(Δ)

ε ε τολ ον Ku υ υ υ

(B)

υ υ υ λ υ υ υ

υ υ υ ρι ι ι ι ι ι

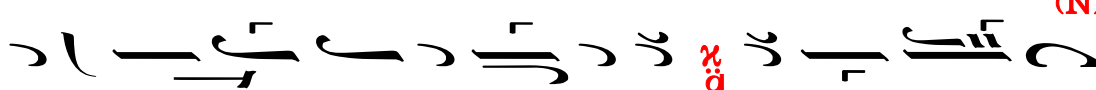
ι ι ι χι ι ι ι ι ι


ι ι ι ι ι ι ι ι ι


ι ι ι ι ι ι ι ι ι

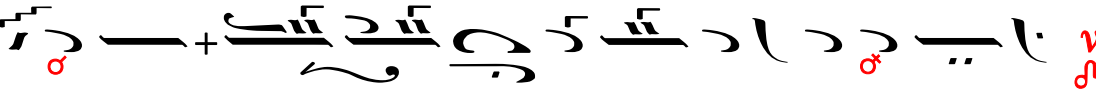
(M) (Δ)


ι ι ι τολ ον Ku υ υ


(N)  
  
 v v v v v v v


  
 v v v v ρι ι ι


  
 ι ι ι ι ι ι τον Ku v v ρι

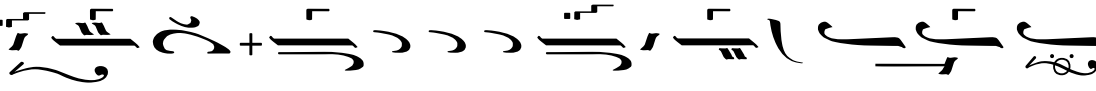
  
 ι ι 0 0 0 0 0 0 ν

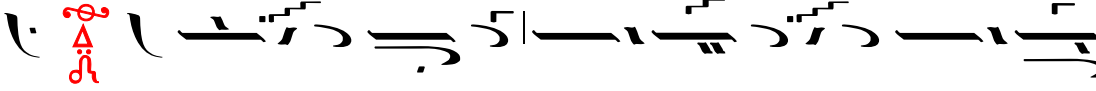
  
 ε ε ε ε ε ε

  
 ε ε ε ε ε ε ε

(Δ)  
  
 ε ε ε ε ε ε ε

  
 ε ε ε ε ε ε ε ω

  
 ω ω ω ω ω ω ω ω

  
 ε ε ε ω ω ω ω ω ω

ου ου ου ου ου ου ου ου

χου ου λου χου ου εκ των ου

ου ρα νω ω ω ω ω ω

ων τον Κυ ρι ι ο ον αι νει ει

ει ει ει τε ε ε ε Αλ λη

λου ου ι ι ι α α α α

α α α α α χα α α

α

έτερη θέση

τον Κυ υ υ υ υ υ υ





$\text{H}\chi\text{o}\varsigma \quad \lambda\ddot{\eta}\ddot{\eta} \quad \Pi\alpha^{\circ}$

(N) (Π) (K)  
 $\alpha\iota \quad \alpha\iota \quad \alpha\iota \quad \alpha\iota \quad \alpha\iota \quad \alpha\iota \quad \alpha\iota$

(Π)  
 $\alpha\iota \quad \alpha\iota \quad \alpha\iota \quad \alpha\iota \quad \alpha\iota$

$\alpha\iota \quad \chi\alpha\iota \quad \text{A}\iota \quad \nu\alpha\iota \quad \varepsilon\iota \quad \varepsilon\iota$

$\varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota$

$\varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota$

$\varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota$

$\varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota$

$\varepsilon\iota \quad \chi\alpha\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota$

(Z)  
 $\varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \varepsilon\iota \quad \chi\alpha\iota$

$\varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon$   
 $\varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon$   
 $\varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon$   
 $\varepsilon \quad \alpha \quad \gamma \varepsilon \quad \varepsilon \quad \tau \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon$   
 $\varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \varepsilon \quad \tau \varepsilon \quad \text{Ku} \quad \cup$   
 $\cup \quad \cup \quad \cup \quad \cup \quad \cup \quad \cup \quad \cup$   
 $\cup \quad \cup \quad \tau \quad \cup \quad \cup \quad \text{Ku} \quad \cup \quad \cup$   
 $\cup \quad \cup \quad \cup \quad \cup \quad \cup \quad \cup \quad \cup$   
 $\cup \quad \cup \quad \cup \quad \tau \varepsilon \quad \text{Ku} \quad \cup \quad \cup$   
 $\cup \quad \cup \quad \cup \quad \cup \quad \cup \quad \cup \quad \cup$

$\text{Π} \text{ ρ} \text{ ι} \text{ ι} \text{ ι} \text{ ι} \text{ το} \text{ ον} \text{ Ku}$   
 $\text{υ} \text{ υ} \text{ ρι} \text{ ι} \text{ ο} \text{ ο} \text{ ο}$   
 $\text{ο} \text{ ο} \text{ ο} \text{ ον} \text{ ε} \text{ ε} \text{ ε}$   
 $\text{ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε}$   
 $\text{ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε}$   
 $\text{ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε}$   
 $\text{ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε}$   
 $\text{ω} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε}$   
 $\text{ω} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε} \text{ ε}$   
 $\text{ου} \text{ ου} \text{ ου} \text{ ου} \text{ ου} \text{ ου}$   
 $\text{ου} \text{ ου} \text{ ου} \text{ ου} \text{ ου} \text{ ου}$   
 $\text{ου} \text{ ου} \text{ ου} \text{ ου} \text{ ου} \text{ ου}$

ου ου ου ου ου ου του χου

ου ρα α ε εκ των ου ου

ου ου ρα α νω

ω ω ω ω ων Α α


α α αλ λη λου ι ι α α

α α α α α




Ἡχος λπ Πα

(II)




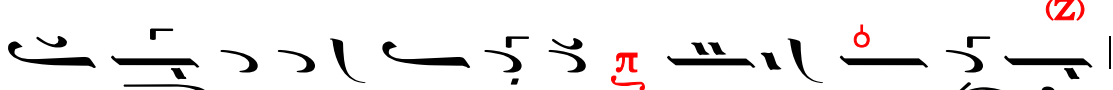
$$\frac{1}{\varepsilon} \lesssim \frac{1}{\varepsilon} \lesssim \frac{1}{\varepsilon} \lesssim \frac{1}{\varepsilon} + \frac{1}{\varepsilon} \lesssim \frac{1}{\varepsilon}$$


The diagram illustrates the construction of the word 'x' in a stylized font. It shows a sequence of steps: 1. A vertical line with a dot at the top. 2. A horizontal line added to the vertical line. 3. A second horizontal line added below the first. 4. A curve added to the right side of the horizontal lines. 5. A second curve added to the left side of the horizontal lines. 6. A final curve added to the right side of the horizontal lines. 7. The final result is a red 'x'.

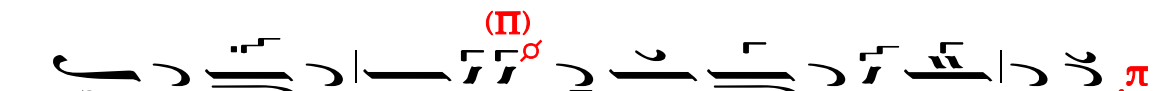

  
 13 13 13 13 13 13 13


ελ      τε      ε      π <sup>(Π)</sup>      τον      Κυ      υ      υ      υ



  
 υ υ υ υ υ υ υ

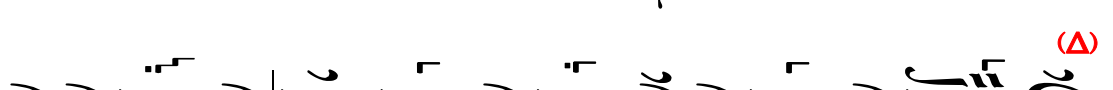

  
 υ υ υ υ τ0 0 ογ



  
 Kυ υ υ υ υ υ υ



  
 υ υ υ υ υ υ υ

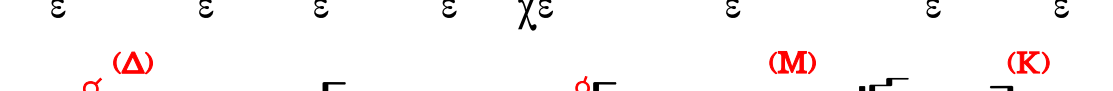

  
 υ υ υ υ υ υ υ τ0 ογ


  
 Kυ υ υ υ ρι 0 ογ ε


  
 ε ε ε ε ε ε ε


  
 ε ε ε ε ε ε


  
 ε ε ε ε χε ε ε ε


  
 ε ε ε ε ε ε ε

ε ε ε ε εχ τω ω ων

ου ου ου ου ου ου ου

ου ου ου ου χου ου ου

ου ου ου ου ου ου ου ου

ου λου χου ου ρα α ε εχ

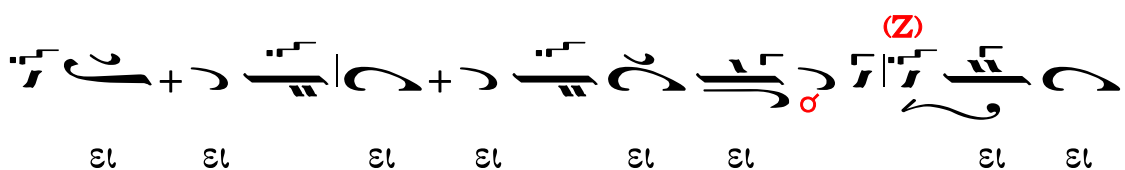
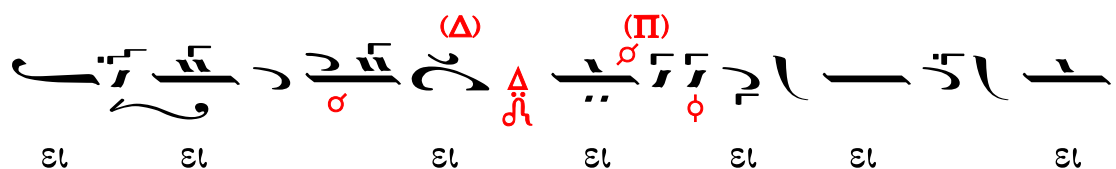
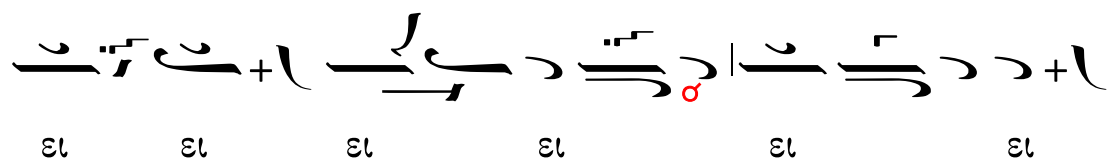
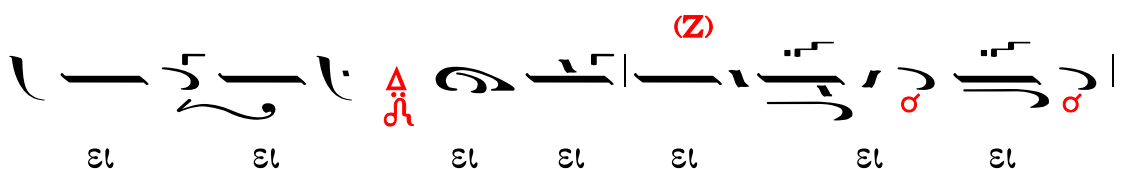
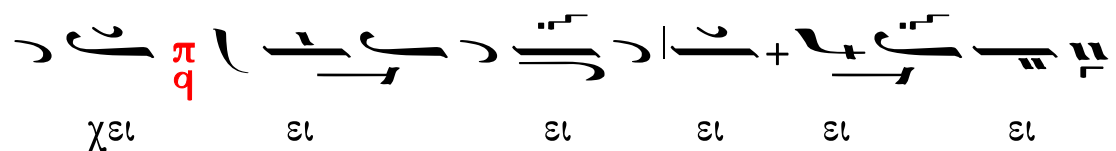
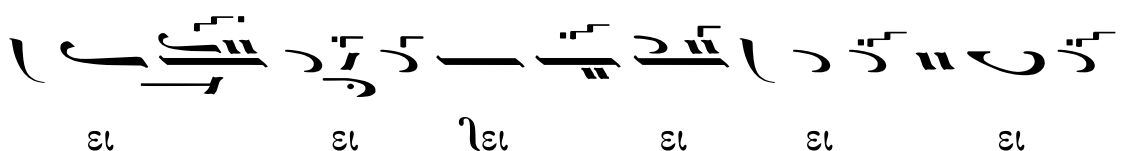
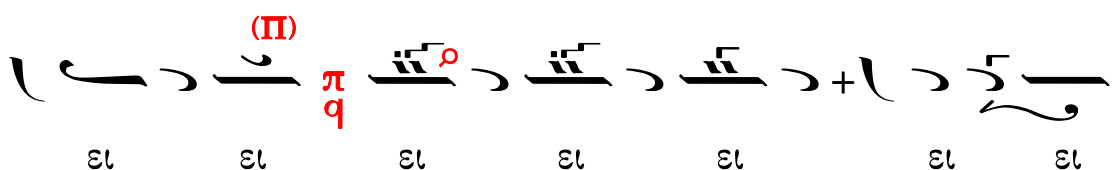
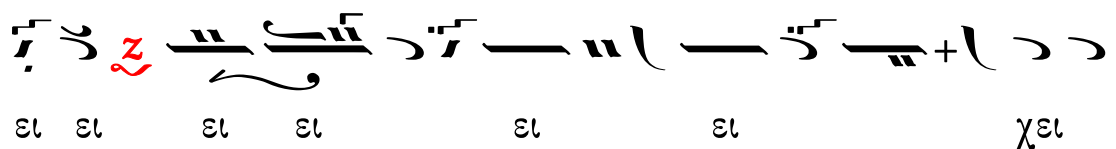
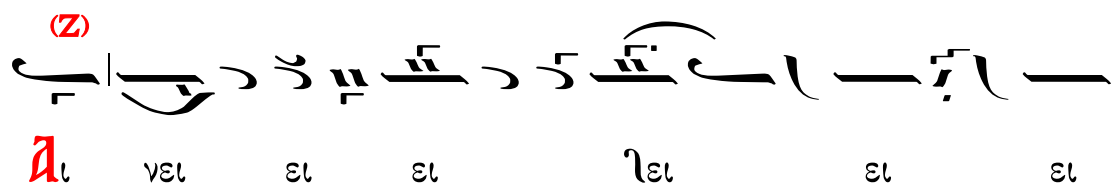
των ου ου ου ου ου ρα νω ω

ων Αλ λη λου ου ι ι α α

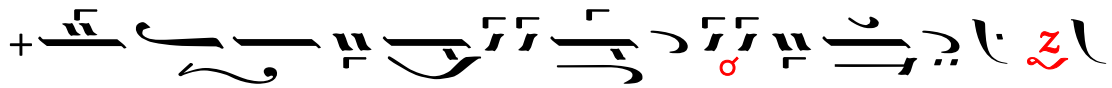

α α α





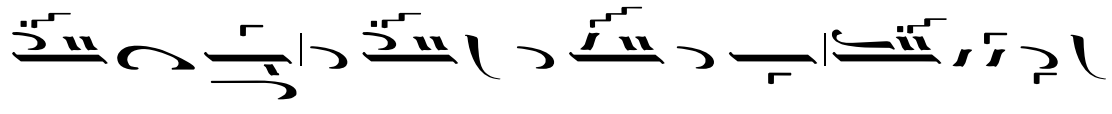

$\text{H}\chi\text{o}\varsigma \quad \overline{\text{Z}} \quad \text{Z}\omega \quad \overline{\text{X}}$

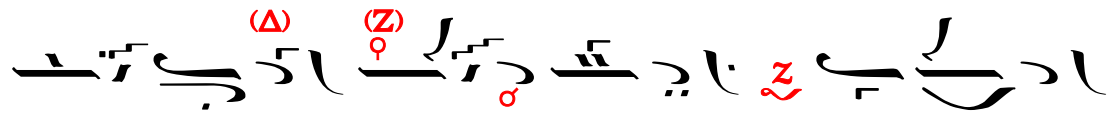



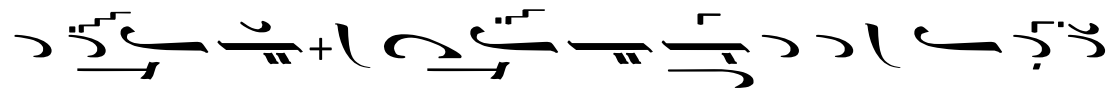




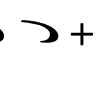
+    
 αλ νελ ελ ελ ελ ελ τε ε

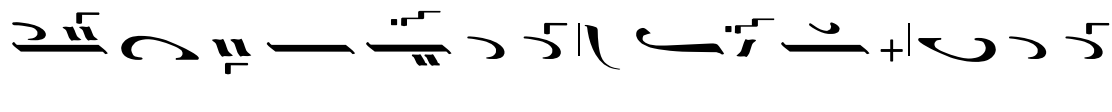

   
 το ο ο ο ον Ku υ υ

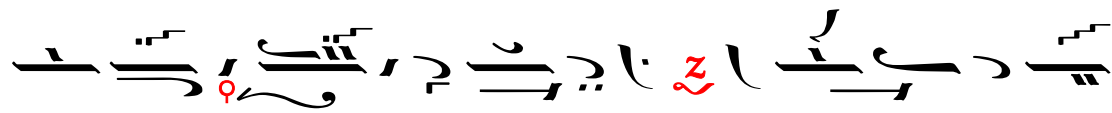

   
 υ υ υ υ υ υ

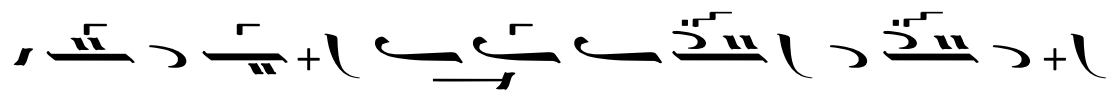

   
 υ υ χυ υ υ τον Ku υ

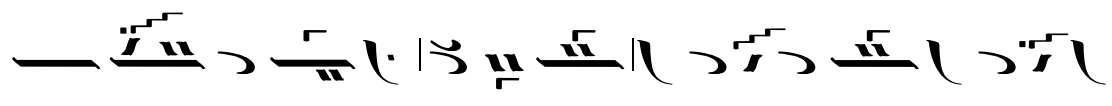

   
 υ υ υ υ υ υ η

   
 π ρι ι ι ι το ον Ku υ υ

   
 υ υ ρι ι ο ο ο ο

   
 ο ο ο ο ον ε ε

   
 ε ε ε ε ε ε

   
 ε ε ε εχ τω ω ω

ω ων εχ των ου ου ου ου

ου ου χου ου ου ου ου ου

ου ου ου ου ου ου ου

ου ου ου ου ου ου ου

ου ου ου ου ου ου ου ρα α

α α α α α λα α εχ των ου ρα

α νω ω ων Αλ λη λου ι ι α α

α α



$\text{H}\chi^{\circ}\varsigma \quad \lambda_{\pi\delta\lambda} \quad N_n^{\circ} \quad \overline{x}$

(N) (M)

$\alpha_l \quad \alpha_l \quad \alpha_l \quad \alpha_l \quad \alpha_l$

(N)

$\alpha_l \quad \alpha_l \quad \gamma\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l$

(K)

$\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l$

(Δ) (N)

$\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l$

$\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l$

$\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l$

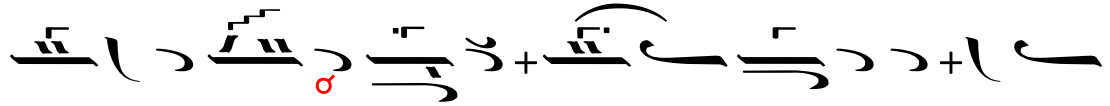
(K)


$\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l$


(M) (N)

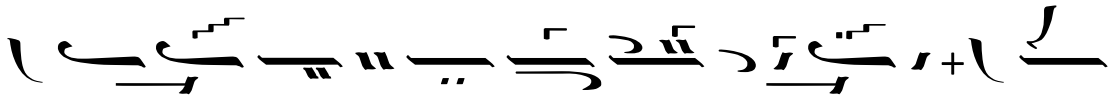
$\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \alpha_l \quad \gamma\epsilon_l \quad \epsilon_l$

$\epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l \quad \epsilon_l$

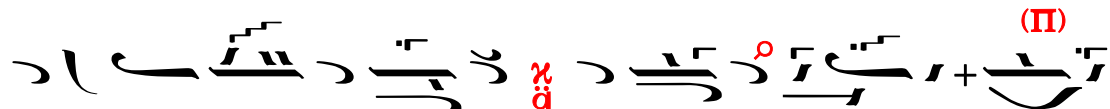
  
 ov Ku v v v v v v

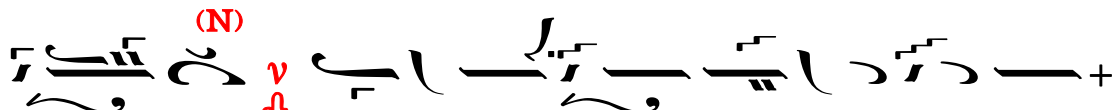
  
 v v v v v v v


  
 v v xv v v v v

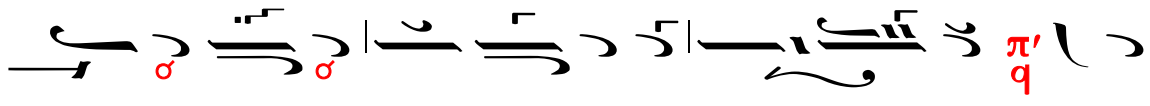
  
 v v v v v v v

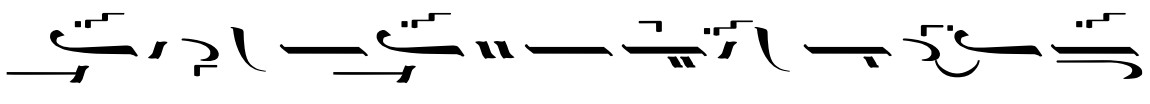
  
 v v v v v v v

  
 v v v v v v v

  
 v v τov Ku v v ρι ι

  
 0 0 0 0 0 ov ε

  
 ε ε ε ε ε ε ε

  
 ε ε ε ε ε ε

ε ε ε ε ε εχ των ου ου  
 ου ου ου ου ου ου  
 ου ου ου ου ου ου ου ου  
 ου ου ου ου ρα α εχ των ου ρα  
 α νω ω ω ιω ω ων Αλ λη  
 η λου ου ι ι α α α α  
 α α α

