

AKADHMIA ACHMON

## AI BAEEİ

## THE

# BYZANTINHE MOYミIKH乏 <br> ҮПО 

MIXAH＾A．XATZHA＠ANA乏IOY<br>MOYミIKOAIDA乏KA＾OY<br>EN THI IEPAI ӨEOAOГIKHI इXOAHI XAAKH乏



## ANTI ПРО^ОГОY























 $\varepsilon \pi \delta \mu \varepsilon \nu о \nu$.






甲іло $о$ о́б $\omega \nu$.

## EIミA「 $\Omega \Gamma H$

##  
























 pırtouévou èv $\alpha$ ṽṭ̂ 入lӨou．























 'ApIatokévelos.











## 

## 

























 $\pi \varepsilon v \tau є ~ \tau \eta ̂ ร ~ \delta ı \alpha ~ \tau є \sigma \circ \alpha p \omega v . ~$





$$
\begin{gathered}
\mathrm{N} \eta-\mathrm{N} \eta \\
\mathrm{~N} \eta-\Delta t-N \eta
\end{gathered}
$$










$$
N \eta \longrightarrow \Delta t
$$

$$
N \eta-B o u-\Delta t
$$











$$
\begin{gathered}
N \eta=B o u \\
N \eta=\Pi \alpha=B o u .
\end{gathered}
$$














 ßu弓んข











 lin $\alpha \sigma \sigma \circ$ 。

 ठ́đ̛́ $\omega \omega$ vov．












 той हौגণ́oaovos.

 Mouatkగึร, єIvat tò katà ou


## 












$$
\left(N \eta \frac{2}{1} N \eta\right) \quad\left(N \eta \frac{3}{2} \Delta t\right) \quad\left(\Delta t \frac{4}{3} N \eta\right) \quad\left(N \eta \frac{5}{4} B o u\right) \quad\left(B o u \frac{6}{5} \Delta t\right)
$$








| $1 \mathrm{~N} \eta$ |  | $\mathrm{~N} \eta 2$ |
| :---: | :---: | :---: |
| 2 | 3 | 4 |
| $\mathrm{~N} \eta$ | $\Delta \mathrm{l}$ | $\mathrm{N} \eta$ |




| 2 |  | 3 |
| :---: | :---: | ---: |
| $\mathrm{~N} \eta$ |  | $\Delta \mathrm{l}$ |
| 4 | 5 | 6 |
| $\mathrm{~N} \eta$ | Bou | $\Delta \mathrm{l}$ |
















 ठเฝ трıడิv










 xదิऽ ठి


## KEФA^AION A.

## 

## 




 vious 入óyous.



















 ('Apıateibou Koïvti $\lambda$ : $\alpha$ voû $B ı 6 \lambda$. 「' $\sigma \in \lambda$. 112-115).




















 $9 \quad 10$
s $\lambda$ \&aaovos ( $\Pi \alpha-\mathrm{Bou})$.



 $6 \quad 7$









































 हौ入a















 т ¢




## KEФA^AION B'.

## 













































 Xov $\tau \alpha t$ т $\alpha \pi \alpha \rho \not{ }^{2} \gamma \omega \gamma \alpha$.













## KЕФA^AION 「'.

## 

















| $\mathrm{N} \eta$ |  |  | $\frac{2}{1}$ |  | $\mathrm{~N} \eta$ |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{~N} \eta$ | $\frac{3}{2}$ | $\Delta \mathrm{t}$ | $\frac{4}{3}$ | $\mathrm{~N} \eta$. |  |  |
| $\mathrm{N} \eta$ | $\frac{5}{4}$ | Bou | $\frac{6}{5}$ | $\Delta \mathrm{t}$ |  |  |
| $\mathrm{N} \eta$ | $\frac{9}{8}$ | $\Pi \alpha$ | $\frac{10}{9}$ | Bou |  |  |

 тคเదิv $\delta เ \pi \lambda \alpha \sigma \iota \alpha \mu \omega \bar{\nu}$.









 apiөuòv (1).


 åくらovtal.



$$
\left(N \eta \frac{9}{8} \pi \alpha \frac{10}{9} \text { Bou } \frac{6}{5} \Delta l \frac{4}{3} N \eta\right)
$$



 ol ( $\pi \alpha-$ Bou $-\Delta i$ ).







## 













$$
\text { (1 } N \eta \frac{4}{3} \Gamma \alpha \frac{3}{2} N \eta \text { 2). }
$$



 «ріөиптнкои̂ 8рои（4）ク̆то：：

$$
\pi \rho \omega \tau \eta \stackrel{2}{(\mathrm{~N} \eta}-\stackrel{3}{\Delta \mathrm{~L}}-\stackrel{4}{\mathrm{~N} \eta}), \delta \varepsilon u \tau \varepsilon \rho \alpha\left(\stackrel{3}{(\mathrm{~N} \eta}-\stackrel{4}{\Gamma} \alpha-\stackrel{6}{N_{\eta}}\right) .
$$









入oyiav каl ठєutepoyevウ̀s tウv ठєutépav．
























 $\left(\frac{5}{4} \times \frac{3}{2}=\frac{15}{8}\right) \pi \alpha \rho \alpha \gamma \in \tau \alpha \iota$ о $\lambda$ буоя $\left(\frac{15}{8}\right)$.




$$
\left(\frac{3}{2} \Delta t \frac{15}{8} Z \omega\right) \text { भ }\left(N \eta \frac{3}{2} \Delta t \frac{5}{4} Z \omega\right) .
$$







$$
\left(\frac{3}{2} \Delta t \frac{27}{16} K \varepsilon\right) \text { fi }\left(N \eta \frac{3}{2} \Delta t \frac{9}{8} K e\right) .
$$

'A


 भुтol: (Bou $\frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta t$ ).



$$
\left(N \eta \frac{3}{2} \Delta \iota \frac{27}{16} K e \frac{15}{8} Z \omega \frac{2}{1} N \eta\right) \text { 丹 }\left(N \eta \frac{3}{2} \Delta \iota \frac{9}{8} K \in \frac{10}{9} Z \omega \frac{16}{15} N \eta\right)
$$

$\triangle \iota \alpha ́ \gamma \varrho \alpha \mu \mu \alpha$ चท̋s $\delta \varepsilon v \tau \varepsilon \varrho \alpha \varsigma ~ d v a \lambda o \gamma l a s$.

| $\mathrm{N} \eta$ |  | $\frac{2}{1}$ |  | $\mathrm{~N} \eta$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathrm{~N} \eta$ | $\frac{4}{3}$ | $\Gamma \alpha$ | $\frac{2}{1}$ | $\mathrm{~N} \eta$ |  |
| $\mathrm{~N} \eta$ |  | $\frac{15}{8}$ | Zu | $\frac{2}{1}$ | $\mathrm{~N} \eta$ |
| $\mathrm{~N} \eta$ | $\frac{27}{16}$ |  | $K \in$ | $\frac{2}{1}$ | $\mathrm{~N} \eta$ |

入оүоऽ $8 \pi \omega \varsigma ~ k \alpha l ~ \eta ~ \pi ~ \pi \rho \omega ं \tau \eta . ~$







## 

$\Pi \alpha \lambda . \Delta o v .1 N \eta \frac{9}{8} \pi \alpha \frac{5}{4}$ Bou $\frac{4}{3} \Gamma \alpha \frac{3}{2} \Delta t \frac{27}{16} K \varepsilon \frac{15}{8} Z \omega \frac{2}{1} \quad N \eta 2$
Tóvot

$$
N \eta \frac{9}{8} \pi \alpha \frac{10}{9} \text { Bou } \frac{16}{15} \Gamma \alpha \frac{9}{8} \quad \Delta t \frac{9}{8} \quad K \varepsilon \frac{10}{9} \quad Z \omega \frac{16}{15} N \eta
$$

M $\mathfrak{\eta} \kappa \eta$ Хор $\delta$ దิv $\mathrm{N} \eta \frac{8}{9} \pi \alpha \frac{9}{10}$ Bou $\frac{15}{16} \Gamma \alpha \frac{8}{9} \Delta \mathrm{t} \frac{8}{9} \quad \mathrm{~K} \in \frac{9}{10} \mathrm{Z} \omega \frac{15}{16} \mathrm{~N} \mathrm{\eta}$

 toùs $\lambda$ óyous．

## KEФA＾AION $\Delta^{\prime}$ ．

## 






 «kouatıkグ。






 $\pi \rho \omega ́ \tau \eta$ фиack

 रÉvous Hítol:













 €lऽ tò $\gamma$ ह́vos toû \&pi $\theta \mu \mathrm{O}$ (2).
 ठúo $\gamma$ と̇v
 $(\Pi \alpha-\Gamma \alpha-K \epsilon-N \eta) \in \iota_{\varsigma}$ тò $\gamma \varepsilon \in v o s ~ \tau o u ̂ ~ d p i \theta \mu o u ̂ ~(2) . ~$

## 

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{~N} \eta$ | $\Pi \alpha$ | Bov | $\Gamma \alpha$ | $\Delta \mathrm{t}$ | $\mathrm{K} \epsilon$ | $\mathrm{Z} \omega$ | $\mathrm{N} \eta$ |








ป८à $\pi \varepsilon ́ v \tau \varepsilon ~ \pi \varrho \omega ́ z o v ~ \gamma ย ์ v o v s . ~$

$$
\left(N \eta \frac{5}{4} \text { Bnu } \frac{6}{5} \Delta t\right) \quad\left(\text { Bou } \frac{6}{5} \Delta t \frac{5}{4} Z \omega\right)
$$

## 

$$
\left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \epsilon\right) \quad\left(\Gamma \alpha \frac{81}{64} K \epsilon \frac{32}{27} N \eta\right)
$$

## KEФAヘAION E'.

' $\boldsymbol{H}$ ठิชย


















 $\pi \rho \omega ் \tau 0$.




 фиouk tô סeutépou $\gamma$ ह́vous.
 $\lambda \alpha 88 \eta \pi \rho \omega \tau \pi \alpha \alpha \alpha \gamma \omega \gamma \alpha$.






 ( $\Gamma \alpha \frac{3}{2} \mathrm{~N} \eta$ ).





 $\pi \rho \omega \tau 0 \gamma \epsilon v \hat{\eta}$ toû $\delta є u t \varepsilon \rho \circ u$.
 $\pi \rho \omega ் \pi \%$.





 àvaloyiav סı丸 toû ápi $\theta \mu \mathrm{u}$ (1).









 ठєutєpoyєvŋ̃ aủtoû (2).



















 $\delta เ \alpha \pi \alpha \sigma ద ิ v$.







 $\lambda$ лекфе́poviаt.









$$
\operatorname{N\eta } \frac{5}{4} \text { Bou } \frac{6}{5} \Delta t
$$



$$
\text { Bou } \frac{6}{5} \Delta t \frac{5}{4} Z \omega
$$



$$
\Gamma \propto \frac{81}{64} K \in \frac{32}{27} N \eta
$$

Aєuttpa toû аủtoû रévous

$$
\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \varepsilon
$$












 סeutépou үદ̂vous.


 үEvous ( $\left.\Pi \alpha \frac{32}{27} \Gamma \alpha\right)$ kal ( $\mathrm{Ke} \frac{32}{27} \mathrm{~N} \eta$ )




$$
\left(\Pi \alpha \frac{10}{9} \text { Bou } \frac{16}{15} \Gamma \alpha\right) \text { K } \alpha\left(K \varepsilon \frac{10}{9} Z \omega \frac{16}{15} \mathrm{~N} \eta\right)
$$




## 



 үlas тoû $\pi \rho \omega$ тou үદ́vous.

 ódpov $\left(N \eta \frac{4}{3} \Gamma \alpha\right)$.





$$
\left(\frac{4}{3} \times \frac{4}{3}=\frac{16}{9 .}\right) \text { каl } \pi \alpha \rho \alpha \gamma \epsilon \tau \alpha \iota \quad \tau \text { ঠे ठıぬ } \tau \epsilon \sigma \sigma \alpha \rho \omega v \quad\left(\Gamma \alpha \frac{4}{3} Z \omega\right) .
$$












$$
\left(\frac{0}{8} \times \frac{13}{2}=\frac{27}{16}\right) \quad \text { k } \alpha \text { l } \pi \alpha \rho \alpha ́ y \in \tau \alpha t ~ \tau o ̀ ~ \tau o v ı \alpha i ̂ o v ~\left(~\left(\Delta t ~ \frac{9}{8} K €\right)\right.
$$




 \& v $\alpha \lambda 0 \gamma 1 \alpha_{5}$ :

$$
\left.\begin{array}{rllll}
\left(1 \mathrm{~N} \eta \frac{4}{3}\right. & \Gamma \alpha \frac{3}{2} & N \eta & 2
\end{array}\right)
$$

 \&vadoरlas:

$$
\begin{array}{lllll}
1 & \mathrm{~N} \eta & \frac{16}{9} \mathrm{Zu} & \frac{9}{8} & \mathrm{~N} \eta
\end{array} 2
$$


 kòv $\delta \iota \nprec \gamma \rho \alpha \mu \mu \alpha$ :
П. $\Delta$. $1 \mathrm{~N} \eta \frac{9}{8} \pi \alpha \frac{5}{4}$ Bou $\frac{81}{84}$ Bou $\frac{3}{4} \Gamma \alpha \frac{3}{2} \Delta i \frac{27}{16} K \varepsilon \frac{16}{y} \quad \mathrm{Z} \omega \frac{15}{8} \quad \mathrm{Z} \omega \frac{2}{1} \mathrm{~N} \mathrm{\eta} 2$ Tóv. $\quad N \eta \frac{9}{8} \pi \alpha \frac{10}{9}$ Bou $\frac{81}{80}$ Bou $\frac{256}{243} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{9}{8} K \varepsilon \frac{256}{243} Z \omega \frac{135}{128} Z \omega \frac{16}{15} \mathrm{~N} \eta$ M. X. $\quad N \eta \frac{8}{9} \pi \alpha \frac{9}{10}$ Bou $\frac{80}{81}$ Bou $\frac{243}{256} \Gamma \alpha \frac{8}{8} \Delta t \frac{8}{9} K \varepsilon \frac{243}{256} Z \omega \frac{128}{195} Z \omega \frac{15}{16} \mathrm{~N} \eta$





$$
\begin{aligned}
& \text { Avil (Nŋ } \frac{9}{8} \pi \alpha \frac{10}{9} \text { Bou) } \kappa \alpha l\left(\Delta \iota \frac{9}{8} K \epsilon \frac{10}{9} Z \omega\right), \\
& \text { ब̧ } \quad\left(N \eta \frac{9}{8} \pi \alpha \frac{9}{8} \text { Bou) }<\alpha<\left(\Delta \iota \frac{9}{8} K \epsilon \frac{256}{243} Z \omega\right)\right.
\end{aligned}
$$









 үot roû пןผ́tou रévous.













 yoviac фuđixదิร.






 Өapà סєutépou.



## KEФA^AION $\Sigma T^{\prime}$.

## 















$$
\left(\mathrm{N} \eta \frac{9}{8} \Pi \alpha \frac{10}{9} \mathrm{Bou} \frac{16}{15} \Gamma \alpha\right) \frac{9}{8} \quad\left(\Delta \mathrm{t} \frac{9}{8} \mathrm{Ke} \frac{10}{9} \mathrm{Zu} \frac{16}{15} \mathrm{M} \eta\right) \text {, }
$$



$$
\left(M \eta \frac{9}{8} \Pi \alpha \frac{10}{9} \text { Bou } \frac{16}{15} \Gamma \alpha\right) \frac{9}{8}\left(\Delta t \frac{10}{9} K \in \frac{9}{8} Z \omega \frac{16}{15} \mathrm{M} \eta\right)
$$



$$
\left(N \eta \frac{3}{2} \Delta t\right) \quad\left(\Pi \alpha \frac{3}{2} K \varepsilon\right) \quad\left(B o u \frac{3}{2} Z \omega\right) \quad\left(\Gamma \alpha \frac{3}{2} N \eta\right)
$$



$$
\left(N \eta \frac{3}{2} \Delta t\right) \quad\left(\Pi \alpha \frac{40}{27} K \varepsilon\right) \quad\left(B o u \frac{3}{2} Z u\right) \quad\left(\Gamma \alpha \frac{3}{2} N \eta\right)
$$



$$
\left(\mathrm{N} \eta \frac{5}{4} \text { Bou } \frac{6}{5} \Delta \mathrm{t} \frac{5}{4} \mathrm{Zu}\right) \quad\left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} \mathrm{Ke} \frac{32}{27} \mathrm{~N} \mathrm{\eta}\right),
$$



























 oద̃ Й゙TOL:

$$
\begin{array}{lllll}
\mathrm{N} \eta & & \frac{2}{1} & & \mathrm{~N} \eta \\
\mathrm{~N} \eta & \frac{3}{2} & \Delta \mathrm{t} & \frac{4}{3} & \mathrm{~N} \eta
\end{array}
$$




$$
\begin{array}{lllll}
N_{\eta} & & \frac{2}{1} & & N \\
N \eta & \frac{4}{3} & \Gamma \alpha & \frac{3}{2} & N_{\eta}
\end{array}
$$

















 үlaıs toû прळ́тоu үहैvous.



 $\phi \theta_{\gamma \gamma} \omega \nu$.

 pobyrou (Bou).






 кат\& $\sigma \cup \mu 616 \alpha \sigma \mu \sigma v$.
 ठєıуцє́vov.
 х $\eta \mu \alpha$ тьv.








$$
\left(\Delta \mathrm{t} \frac{9}{8} \Gamma \alpha \frac{16}{15} \text { Bou) f( }\left(\lambda \in \frac{9}{8} \Gamma \mathbb{1 6} \frac{16}{15} \tau \circ \varsigma\right) .\right.
$$



 нevos $\mathrm{f}_{\text {rot }}$ :

$K \alpha l \quad \alpha v a l\left(\Delta \mathrm{l} \frac{9}{8} \Gamma \alpha \frac{16}{15} \mathrm{Bou}\right) \quad\left(\Pi \alpha \frac{9}{8} \mathrm{~N} \eta \frac{16}{15} Z \omega\right)$.




## KEФA^AION Z'.

## 




















































































 к人l é入丸́aoovos．




 Toे $\delta$ ह̀ $\left(\frac{256}{243}\right)$ ，ク̆Toו：$\left(\frac{256}{243} \times \frac{135}{128}=\frac{34560}{3104}=\frac{10}{9}\right)$ ．

 tépou kal ek roúzou el§ $\pi \rho \omega$ tou．






 גр

## KEФA^AION H'.


















$1 \mathrm{~N} \eta \frac{9}{8} \Pi \alpha \frac{5}{4}$ Bou $\frac{4}{3} \Gamma \alpha \frac{3}{2} \Delta t \frac{27}{16} \mathrm{~K} \mathrm{\epsilon} \frac{15}{8} \mathrm{Z} \omega \frac{2}{1} \mathrm{~N} \mathrm{\eta} 2$

$$
N \eta \frac{9}{8} \Pi \alpha \frac{10}{9} \text { Bou } \frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta t \frac{9}{8} K \varepsilon \frac{10}{9} Z \omega \frac{16}{15} N \eta
$$

## $\Delta e v \tau e ́ p \alpha$

$2 N \eta \frac{18}{8} \Pi \alpha \frac{10}{4}$ Bou $\frac{8}{3} \Gamma \alpha \frac{6}{2} \Delta l \frac{54}{16} K \varepsilon \frac{30}{8} Z \omega \frac{4}{1} N \eta 4$ $N \eta \frac{9}{8} \Pi \alpha \frac{10}{9}$ Bou $\frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta \mathrm{t} \frac{9}{8} \mathrm{Ke} \frac{10}{9} \mathrm{Z} \omega \frac{16}{15} \mathrm{~N} \eta$



 रévous alq סeútepov, ク̆tot:

$$
\begin{aligned}
& N \eta \frac{9}{8} \Pi \alpha \frac{81}{64} \text { Bou } \frac{4}{8} \Gamma \alpha \frac{3}{2} \Delta \iota \frac{27}{10} K \varepsilon \frac{16}{9} Z \omega \frac{2}{1} N \eta \\
& N \eta \frac{9}{8} \Pi \alpha \frac{9}{8} \text { Bou } \frac{256}{243} \Gamma \alpha \frac{9}{8} \Delta t \frac{9}{8} K \varepsilon \frac{256}{243} Z \omega \frac{9}{8} N_{\eta},
\end{aligned}
$$








 vovoiv $\alpha \lambda \lambda \eta \lambda \alpha$.
 $\mu \varepsilon і ̈ \zeta о \nu$, ŋftot:

$$
\begin{aligned}
& \left(N \eta \frac{5}{4} \text { Bou } \frac{6}{5} \Delta \iota \frac{5}{4} Z \omega\right) \\
& \left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \varepsilon \frac{32}{27} N_{\eta}\right)
\end{aligned}
$$






## KEФA^AION $\Theta^{\prime}$.

## 

















 $\pi р \omega ์ \tau 0$.




 $\tau \eta ̂ \varsigma ~ \alpha v \alpha \lambda o \gamma i \alpha \varsigma(Z \omega-\Pi \alpha-\Gamma \alpha-Z \omega)$.





 $\dot{\alpha} \pi \lambda \omega \bar{v} \dot{\alpha} \rho(\theta \mu \bar{\sim} v)$.





 $\sigma \cup \mu \pi \epsilon \rho \alpha \sigma \mu \alpha \tau \alpha$ :
















$\left(N \eta \frac{5}{4}\right.$ Bou $\left.\frac{6}{5} \Delta t\right)\left(\right.$ Bou $\left.\frac{6}{5} \Delta t \frac{5}{4} Z \omega\right) \quad\left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \varepsilon\right) \quad\left(\Gamma \alpha \frac{81}{64} K \varepsilon \frac{32}{27} N \eta\right)$.



$$
\left(K \in \frac{32}{27} N \eta \frac{5}{8}\right. \text { Bou). }
$$





$$
\left(Z \omega \frac{6}{5} \Pi \alpha \frac{32}{27} \Gamma \alpha\right) .
$$








## KEФA^AION I'.

##  


 $\dot{\alpha} \pi \sigma \tau \in \lambda \in i ̄ \tau \alpha$.


$$
\left(N \eta \frac{5}{4} \text { Bou } \frac{6}{5} \Delta \iota \frac{5}{4} Z \omega\right),
$$



$$
\left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \epsilon \frac{32}{27} \mathrm{~N} \eta\right) .
$$

"Oா
 тєраı દ̈ாl тоû סєutépou ( $\Pi \alpha$ ).
















Прळт $\quad: \quad \Pi \alpha$
$\frac{2}{1} \quad \Pi \alpha$
$\Pi \alpha \quad \frac{3}{2} \quad \begin{array}{lllll}\Pi \varepsilon & \frac{4}{3} & \Pi \alpha\end{array}$
$\Pi \alpha \quad \frac{32}{27} \quad \Gamma \alpha \frac{81}{64} K \varepsilon$
$\Pi \alpha \frac{9}{8}$ Bou $\frac{25 i 6}{243} \Gamma \alpha$
$\Delta \in \cup \tau \hat{\varepsilon} \rho \alpha: \begin{array}{lllll}\Pi \alpha & \frac{1}{3} & \Delta t & \frac{3}{2} & \Pi \alpha\end{array}$
$\Delta t \frac{32}{27} Z \omega \quad \frac{81}{64} \quad \Pi \alpha$
$Z \omega \frac{9}{8} N \eta \frac{9}{8} \Pi \alpha$
 \&KOUOTเKద్ร.



## 

$$
\begin{array}{r}
\left.\frac{9}{8}\right) \Pi \alpha \frac{81}{64} \text { Bou } \frac{4}{3} \Gamma \alpha \frac{3}{2} \Delta t \frac{27}{16} K \in \frac{16}{9} Z \omega \frac{2}{1} N \eta \frac{18}{8} \Pi \alpha \\
\Pi \alpha \frac{9}{8} \text { Bou } \frac{256}{243} \Gamma \alpha \frac{9}{8} \Delta t \frac{9}{8} K \in \frac{256}{243} Z \omega \frac{9}{8} N \eta \frac{9}{8} \Pi \alpha \\
\Pi \alpha \frac{8}{9} \text { Bou } \frac{243}{256} \Gamma \alpha \frac{8}{9} \Delta t \frac{8}{9} K \varepsilon \frac{243}{256} Z \omega \frac{8}{9} N \eta \frac{8}{9} \Pi \alpha
\end{array}
$$











$$
\left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \varepsilon \frac{4}{3} \Pi \alpha\right)
$$





$$
\left(\Pi \alpha \frac{9}{8} \text { Bou } \frac{253}{243} \Gamma \alpha \frac{9}{8} \Delta \iota\right)\left(K \in \frac{9}{8} Z \omega \frac{256}{2+3} N \eta-\frac{9}{-} \Pi \alpha\right)
$$








## 

$\left.\frac{\frac{9}{8}}{8}\right) \quad \Pi \alpha \frac{81}{64}$ Bou $\frac{4}{3} \Gamma \alpha \frac{3}{2} \Delta t \frac{27}{16} K E \frac{16}{9} \quad Z \omega \frac{243}{123} \quad Z \omega \frac{2}{1} \quad N \eta \frac{2}{8} \Pi \alpha$
$\Pi \alpha \frac{9}{8}$ Bou $\frac{256}{243} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{9}{8} K \varepsilon \frac{256}{243} Z \omega \frac{135}{128} Z \omega \frac{256}{243} N \eta \frac{9}{8} \Pi \alpha$
$\Pi \alpha \frac{8}{9}$ Bou $\frac{243}{256} \Gamma \alpha \frac{8}{9} \Delta \iota \frac{8}{9} K \varepsilon \frac{243}{256} Z \omega \frac{128}{135} Z \omega \frac{243}{256} N \eta \frac{8}{9} \Pi \alpha$








 ठ $\mu$ о $\gamma \in v$ దึv $\phi \theta \delta \gamma \gamma \omega v$.


 โడิv ถิр





 тépou $\gamma$ そ́voug.
















## 


 ย $\pi l$ Tต̃v $\left.४ \rho \omega v \tau 0 u ̂ ~ \delta \iota \alpha ̀ ~ \pi \varepsilon v \tau \varepsilon \frac{9}{8}\right) ~ \Pi \alpha \frac{3}{2} K \varepsilon=\frac{27}{16}\left(\frac{32}{27} \times \frac{27}{16}=\frac{864}{432}=\frac{2}{1}\right), \quad$ каl



$$
\begin{array}{rlr}
\left.\frac{9}{8}\right) \Pi \alpha \frac{3}{2} & \Delta t \frac{18}{8} & \Pi \alpha \\
& K \varepsilon \frac{2}{1} & N \eta \frac{18}{8} \\
K \varepsilon \frac{243}{128} Z \omega \frac{256}{243} N \eta \frac{9}{8} \Pi \alpha
\end{array}
$$







## 

## 

${ }^{\prime}$ Ap. $\Pi \alpha \lambda$. Sov. $N \eta \frac{9}{8} \Pi \alpha \frac{5}{4}$ Bou $\frac{81}{64}$ Bou $\frac{4}{3} \Gamma \alpha \frac{8}{2} \Delta 1 \frac{21}{16} K \varepsilon \frac{16}{y} \quad Z \omega \frac{15}{8}$

$$
Z \omega \frac{243}{128} Z \omega \frac{2}{1} \quad N \eta \frac{18}{8} \quad \Pi \alpha
$$

Tovot $N \eta \frac{9}{8} \Pi \alpha \frac{10}{9}$ Bou $\frac{81}{80}$ Bou $\frac{256}{243} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{9}{8} K \epsilon \frac{256}{243} Z \omega \frac{135}{128} Z \omega \frac{81}{80}$

$$
Z \omega \frac{256}{243} N \eta \frac{9}{8} \Pi \alpha
$$

$M \nmid \kappa \eta$ хор. $N \eta \frac{8}{9} \Pi \alpha \frac{9}{10}$ Bou $\frac{80}{81}$ Bou $\frac{243}{2 ; i 0} \Gamma \alpha \frac{8}{9} \Delta t \frac{8}{9} K \epsilon \frac{243}{256} Z \omega \frac{128}{135} Z \omega \frac{80}{81}$

$$
Z \omega \frac{243}{256} N \eta \frac{8}{9} \Pi \alpha
$$



 $k \alpha l \eta \pi \rho \omega \tau \eta$.
4. pou रêvous ex




 o






##  

$$
\begin{aligned}
& \Delta t \frac{5}{4} Z \omega \frac{6}{5} \Pi \alpha \\
& \Delta t \frac{81}{64} Z \omega \frac{32}{27} \Pi \alpha
\end{aligned}
$$







 poyevís ( $K \in \frac{32}{27} N \eta \frac{81}{64}$ Bou).



 $\left(\Pi \alpha \frac{32}{27} \Gamma \alpha\right) \quad\left(\Pi \alpha \frac{9}{8}\right.$ Bou $\left.\frac{256}{243} \Gamma \alpha\right) \pi \alpha \rho \alpha \gamma \varepsilon \tau \alpha \iota$ iो трi $\lambda \circ \gamma \circ \varsigma \alpha v \alpha \lambda \circ \gamma\left(\alpha\right.$ ( $K \varepsilon \frac{32}{27} \mathrm{~N} \eta$ )







 $\left.\frac{256}{243} Z \omega \frac{9}{8} N \eta \frac{9}{8} \Pi \alpha\right)$.




$$
\left(\Delta t \frac{9}{8} K \varepsilon \frac{10}{9} Z \omega \frac{16}{15} N \eta \frac{9}{8} \Pi \alpha\right)
$$











## 

## 



 $\pi \alpha \circ$ ®̄v kal toû tpoxoû.




$$
\left(\Pi \alpha \frac{9}{8} \text { Bou } \frac{256}{243} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{9}{8} K \in \frac{9}{8} Z \omega \frac{256}{243} N \eta \frac{9}{8} \Pi \alpha\right)
$$



$$
\left(\Pi \alpha \frac{9}{8} \text { Bou } \frac{255}{243} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{9}{8} K \varepsilon \frac{256}{243} Z \omega \frac{9}{8} \quad N \eta \frac{9}{8} \Pi \alpha\right)
$$





 т





$$
\left(\Pi \alpha \frac{4}{3} \Delta_{t} \frac{5}{4} Z \omega \frac{6}{6} \Pi \alpha\right)
$$





$$
\left(\Pi \alpha \frac{9}{8} \text { Bou } \frac{256}{243} \Gamma \alpha \frac{9}{8} \Delta \mathrm{t}\right)\left(\Delta \mathrm{t} \frac{9}{8} K \in \frac{256}{243} Z \omega \frac{9}{8} N_{\eta}\right)
$$

## 








$$
\left(\frac{5}{4} \times \frac{2}{1}=\frac{10}{4}\right) .
$$




$$
\left(N \eta \frac{5}{4} \text { Bou } \frac{2}{1}\right. \text { Bou). }
$$

 $\gamma$ ह́vous (Bou $\frac{5}{6} \Delta t$ ).




| Bou |  |  | $\frac{2}{1}$ | Bou |
| :--- | :---: | :---: | :---: | :---: |
| Bou | $\frac{B}{2}$ |  | $Z \omega \quad \frac{4}{3}$ | Bou |
| Bou $\frac{6}{5}$ | $\Delta t$ | $\frac{5}{4} Z \omega$ |  |  |
| Bou $\frac{16}{15} \Gamma \alpha \frac{\theta}{8} \Delta t$ |  |  |  |  |




















$$
\left(\Gamma \propto \frac{81}{64} K \in \frac{32}{27} N \eta\right)
$$


 elvat i力 $\delta$ t $\alpha$ ф $\omega v i \alpha$.







## 

$$
\begin{array}{r}
\left.\frac{5}{4}\right) \text { Bou } \frac{4}{3} \Gamma \alpha \frac{3}{2} \Delta t \frac{5}{3} K \in \frac{15}{8} Z \omega \frac{2}{1} N \eta \frac{18}{9} \Pi \alpha \frac{10}{4} \text { Bou } \\
\text { Bou } \frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta t \frac{10}{8} K \varepsilon \frac{9}{8} Z \omega \frac{16}{15} N \eta \frac{9}{8} \Pi \alpha \frac{10}{9} \text { Bou }
\end{array}
$$

## 







 $(\Pi \alpha-N \eta-Z \omega)$.







## 









$$
\left(N \eta \frac{4}{3} \Gamma \alpha \frac{8}{3} \Gamma \alpha\right) \neq\left(N \eta \frac{4}{3} \Gamma \alpha \frac{2}{1} \Gamma \alpha\right)
$$

 $\gamma$ vivous ( $\Gamma \alpha \frac{81}{64} \mathrm{~K} \mathrm{\varepsilon}$ ).




$$
\begin{array}{lllll}
\Gamma \alpha & \frac{2}{1} & & \Gamma \alpha \\
\Gamma \alpha \frac{3}{2} & N \eta & \frac{4}{3} & \Gamma \alpha \\
\Gamma \alpha \frac{81}{64} K \in \frac{32}{27} & N \eta & & \\
\Gamma \alpha \frac{9}{8} & \Delta t \frac{9}{8} & K \varepsilon & &
\end{array}
$$




 трlav то0 8eutépou そ̆to:

$$
\begin{array}{rlcc}
\Gamma \alpha \frac{4}{3} & Z \omega & \frac{3}{2} & \Gamma \alpha \\
Z \omega \frac{81}{64} \Pi \alpha \frac{32}{27} & \Gamma \alpha \\
& \Pi \alpha \frac{10}{\theta} \text { Bou } \frac{16}{15} & \Gamma \alpha
\end{array}
$$





 $\lambda \alpha \pi \lambda \alpha \sigma \iota \alpha \sigma \mu \omega ิ v \pi \alpha \rho \alpha \gamma \omega \mu \mu \nu \alpha$.

## $T \varrho \iota \tau \circ \varsigma \pi о \lambda \alpha \pi \lambda \alpha \sigma \iota \alpha \sigma \mu \delta \varsigma$.





 $\zeta \omega v \alpha$ ठeutépou $\gamma$ ह́vous ( $\mathrm{N} \eta \frac{81}{64}$ Bou) k $\alpha<\lambda \in i ̂ \mu \mu \alpha$ (Bou $\frac{256}{243} \Gamma \alpha$ ).




$$
\begin{aligned}
\left.\frac{4}{3}\right) & \Gamma \alpha \frac{3}{2} \Delta t \frac{27}{16} K \varepsilon \frac{16}{9} Z \omega \frac{2}{1} N \eta \frac{18}{8} \Pi \alpha \frac{162}{64} \text { Bou } \frac{8}{3} \Gamma \alpha \\
\Gamma & \alpha \frac{9}{8} \Delta t \frac{9}{8} K \varepsilon \frac{255}{243} Z \omega \frac{9}{8} N \eta \frac{9}{8} \Pi \alpha \frac{9}{8} \text { Bou } \frac{256}{243} \Gamma \alpha
\end{aligned}
$$

## 






 ( $\Gamma \alpha-N r_{i}$ ).




$$
\left(N \eta \frac{9}{8} \Pi \alpha \frac{9}{8} B o u \frac{256}{243} \Gamma \alpha\right)\left(\Gamma \alpha \frac{9}{8} \Delta!\frac{9}{8} K \in \frac{256}{243} Z \omega\right) \quad\left(Z \omega \frac{9}{8} N \eta\right)
$$





 «va入oytav म̈ँтot:

$$
\alpha v \tau i\left(\Gamma \alpha \frac{3}{2} N \eta \frac{4}{3} \Gamma \alpha\right) \text { ध́kФp}\left\langle\zeta_{\epsilon \tau \alpha \iota}\left(N \eta \frac{4}{3} \Gamma \alpha \frac{3}{2} N \eta\right)\right.
$$








$$
\Gamma \alpha \frac{81}{84} K \in \frac{32}{27} N \eta \frac{4}{3} \Gamma \alpha \quad N \eta \frac{5}{4} \text { Bou } \frac{6}{5} \Delta t \frac{4}{3} N \eta
$$




 $\alpha v \alpha \lambda o \gamma l \alpha$

$$
\left(N \eta \frac{4}{5} \Gamma \alpha \frac{81}{64} K e \frac{32}{27} N \eta\right) \quad \text { kai }\left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \varepsilon \frac{4}{3} \Pi \alpha\right)
$$





$$
\begin{aligned}
& \left(N \eta \frac{5}{4} \text { Bou } \frac{6}{5} \Delta t \frac{4}{5} N \eta\right) \\
& \left(\Gamma \alpha \frac{81}{64} K e \frac{32}{27} N \eta \frac{4}{5} \Gamma \alpha\right)
\end{aligned}
$$













$$
\begin{aligned}
& \left(N \eta \frac{5}{4} B o u \frac{6}{5} \Delta \iota \frac{4}{3} N \eta\right) \\
& \left(\Gamma \alpha \frac{81}{64} K \in \frac{32}{27} N \eta_{i} \frac{4}{3} \Gamma \alpha\right)
\end{aligned}
$$





 yous toú tpitou $\Pi_{\text {Xou toùs ( }}(\Pi \alpha-\Gamma \alpha \cdot K \varepsilon$ ).













## 







 ( $\Delta, \frac{5}{4} Z \omega \frac{6}{5} \Pi \alpha$ ).


 $\pi \circ \lambda \lambda \alpha \pi \lambda \alpha \sigma \alpha \sigma \mu \circ 0$ गे

| $\Delta t$ |  |  | $\frac{2}{1}$ |  | $\Delta t$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\Delta t$ | $\frac{2}{3}$ |  | $\Pi \alpha$ | $\frac{4}{3}$ | $\Delta t$ |
| $\Delta t$ | $\frac{5}{4}$ | $Z \omega$ | $\frac{6}{5}$ | $\Pi \alpha$ |  |
| $\Delta t$ | $\frac{9}{8}$ | $K \varepsilon$ | $\frac{10}{9}$ | $Z \omega$ |  |
|  |  |  |  |  |  |




$$
\begin{array}{rlrr} 
& -38,- & \\
\Delta t & \frac{2}{1} & & \Delta t \\
\Delta t \quad \frac{4}{3}, ~ N \eta & \frac{3}{2} & \Delta t \\
& & N \eta \cdot \frac{5}{4} & \text { Bou } \\
& & \text { Bou } \frac{16}{5} \Gamma \alpha \frac{9}{8} \Delta t
\end{array}
$$




$$
\begin{aligned}
&\left.\frac{3}{2}\right) \Delta t \frac{27}{16} K \varepsilon \frac{15}{8} Z \omega \frac{2}{1} N \eta \frac{18}{8} \Pi \alpha \frac{10}{4} \text { Bou } \frac{8}{3} \Gamma \alpha \frac{6}{2} \Delta t \\
& \Delta t \frac{9}{8} K \varepsilon \frac{10}{9} Z \omega \frac{16}{15} N \eta \frac{9}{8} \Pi \alpha \frac{10}{8} \text { Bou } \frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta t
\end{aligned}
$$



























## 












## Паœá $\varepsilon \varepsilon เ \gamma \mu a:$

$$
\begin{aligned}
& N \eta \frac{5}{4} \text { Bou } \frac{6}{5} \Delta t \frac{4}{3} N \eta \\
& \Delta t \frac{5}{4} Z \omega \frac{6}{5} \Pi \alpha \frac{4}{3} \Delta t
\end{aligned}
$$


 $\mu \varepsilon \lambda \eta$ тои̂ $\tau \in \tau \alpha \rho \tau \sigma u$ そु




















 yıov aútoú.
 $p \alpha v(\Delta t-\Delta l) \pi \lambda \alpha \gamma i \alpha v$.

## 








 ठıぬ тคเదิv $\mu \epsilon \zeta \zeta \omega v$ ( $\mathrm{N} \eta \frac{81}{64}$ Bou).



$$
\Pi \rho \dot{\omega} \tau \eta
$$

| $K \varepsilon$ |  |  |  | 2 |  | $K \varepsilon$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $K \varepsilon$ |  | $\frac{3}{2}$ |  | Bou | 4 | $K \varepsilon$ |  |
| $K \varepsilon$ | $\frac{32}{27}$ | $N \eta$ | $\frac{81}{64}$ | Bou |  |  |  |
| $K \varepsilon$ | $\frac{9}{8}$ | $Z \omega \frac{256}{243}$ | $\mathrm{~N} \mathrm{\eta}$ |  |  |  |  |


| $\Delta \varepsilon \cup \tau \in \rho \alpha$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ke | $\frac{4}{3}$ | $\Pi \alpha$ | $\frac{3}{2}$ |  | K $\boldsymbol{\epsilon}$ |
|  |  | $\Pi 1 \alpha^{\circ} \frac{32}{2\rceil}$ |  | $\frac{81}{64}$ | K |
|  |  |  |  | $\Delta$ |  |



## 



 $\sigma \mu \circ \overline{~ \tau \eta ิ \varsigma ~} \pi \varepsilon \mu \pi \tau \eta \varsigma \kappa \lambda / \mu \alpha \kappa \circ \varsigma \delta \iota \alpha \tau \cup \pi \omega \theta \varepsilon \nu \tau \alpha \varsigma$.







 ठeu:épou סıarovikoû үદvous ( $\Pi \alpha-\Pi \alpha)$.






## 









## 

"Оா









$$
\left(N \eta \frac{16}{9} Z \omega \frac{32}{9} N \eta\right) \neq\left(N \eta \frac{16}{9} Z \omega \frac{2}{1} Z \omega\right)
$$







| $Z \omega$ |  |  |  | $\frac{2}{1}$ |  | $Z \omega$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $Z \omega$ |  | $\frac{3}{2}$ |  | $\Gamma \alpha$ | $\frac{4}{3}$ | $Z \omega$ |  |
| $Z \omega$ | $\frac{81}{64}$ | $\Pi \alpha$ | $\frac{32}{27}$ | $\Gamma \alpha$ |  |  |  |
| $Z \omega$ | $\frac{9}{8}$ | $N \eta$ | $\frac{9}{8}$ | $\Pi \alpha$ |  |  |  |
|  |  |  |  |  |  |  |  |










 そ̈roi: $(\mathrm{N} \eta-\Delta \mathrm{l}-\mathrm{N} \eta) \mathrm{k} \alpha \mathrm{l}(\mathrm{N} \eta-\Gamma \alpha-\mathrm{N} \eta)$.












 भroi: ( $Z \omega \frac{4}{3}$ Bou $\frac{3}{2} Z \omega$ ).

##  

$$
\begin{aligned}
& Z \omega \frac{2}{1} N \eta \frac{18}{8} \Pi \alpha \frac{64}{27} \text { Bou } \frac{8}{3} \Gamma \alpha \frac{6}{2} \Delta t \frac{54}{16} K \varepsilon \frac{32}{9} Z \omega \\
& Z \omega \frac{9}{8} N \eta \frac{9}{8} \Pi \alpha \frac{256}{243} \text { Bou } \frac{9}{8} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{9}{8} K \varepsilon \frac{256}{243} Z \omega
\end{aligned}
$$

##  <br> 








## 










$$
\left(N \eta \frac{15}{8} Z \omega \frac{30}{8} Z \omega\right) \eta\left(N \eta \frac{15}{8} Z \omega \frac{2}{1} Z \omega\right)
$$























## 

$$
\begin{array}{r}
\left.\frac{15}{8}\right) Z \omega \frac{2}{1} N \eta \frac{18}{8} \Pi \alpha \frac{10}{4} \text { Bou } \frac{8}{3} \Gamma \alpha \frac{6}{2} \Delta \iota \frac{54}{16} K \varepsilon \frac{30}{8} Z \omega \\
Z \omega \frac{16}{15} N \eta \frac{9}{8} \Pi \alpha \frac{10}{9} \text { Bou } \frac{9}{8} \Gamma \alpha \frac{16}{15} \Delta l \frac{9}{8} K \varepsilon \frac{16}{15} Z \omega
\end{array}
$$

##  <br> 












## 








$$
\begin{aligned}
& \left(N \eta \frac{5}{4} \text { Bov } \frac{6}{5} \Delta \iota \frac{4}{3} N \eta\right) \\
& \left(\Delta l \frac{5}{4} Z \omega \frac{5}{4} \Pi \alpha \frac{4}{3} \Delta \iota\right)
\end{aligned}
$$

kal

$$
\begin{aligned}
& \left(B o u \frac{6}{5} \Delta t \frac{5}{4} Z \omega \frac{4}{3} B o u\right) \\
& \left(Z \omega \frac{6}{5} \Pi \alpha \frac{5}{4} \Gamma \alpha \frac{4}{3} Z \omega\right)
\end{aligned}
$$



$$
\begin{aligned}
& \left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \varepsilon \frac{4}{3} \Pi \alpha\right) \\
& \left(K \varepsilon \frac{32}{27} N \eta \frac{81}{64} \text { Bou } \frac{4}{3} K \varepsilon\right)
\end{aligned}
$$

k $\alpha$

$$
\begin{aligned}
& \left(\Gamma \alpha \frac{81}{64} K \varepsilon \frac{32}{27} N \eta \frac{4}{3} \Gamma \alpha\right. \\
& \left(Z \omega \frac{81}{64} \Pi \alpha \frac{32}{27} \Gamma \alpha \frac{4}{3} Z \omega\right.
\end{aligned}
$$












 tovou (Bou $\left.\frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta_{1}\right)$. kal $\left(Z \omega \frac{16}{15} N \eta \frac{9}{8} \Pi \alpha\right)$.
'Erlons kal al ou̧uylaı toû סeutêpou үévous.





$$
\left(\Gamma \alpha \frac{84}{64} K \varepsilon \frac{32}{27} N \eta\right) \quad \text { каi }\left(Z \omega \frac{81}{64} \Pi \alpha \frac{32}{27} \Gamma \alpha\right)
$$

















 кліцакоя.



$$
\begin{aligned}
& \left(\frac{16}{15} \times \frac{80}{81}=\frac{1280}{1215}=\frac{256}{243}\right) \text { к } \alpha l \tau \alpha \tau^{\alpha} \alpha \pi \alpha \lambda \iota เ v \text {. }
\end{aligned}
$$














## 





 $\delta \iota \alpha \sigma \tau \eta \mu \alpha \tau \alpha$ :

$$
\left(\Pi \alpha \frac{256}{243} \text { Bou } \frac{9}{8} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{9}{8} K \varepsilon \frac{256}{243} Z \omega \frac{9}{8} N \eta\right)
$$








$$
\left(N \eta \frac{18}{8} \Pi \alpha \frac{36}{8} \Pi \alpha\right) \quad \neq \quad\left(N \eta \frac{18}{8} \Pi \alpha \frac{2}{1} \Pi \alpha\right) .
$$





$$
\begin{array}{r}
\left.\frac{18}{8}\right) \Pi \alpha \frac{64}{27} \text { Bou } \frac{8}{3} \Gamma \alpha \frac{6}{2} \frac{54}{16} \quad K \varepsilon \frac{32}{9} Z \omega \frac{4}{1} N \eta \frac{36}{8} \Pi \alpha \\
\Pi \alpha \frac{256}{243} \text { Bou } \frac{9}{8} \Gamma \alpha \frac{9}{8} \Delta t \frac{9}{8} K \in \frac{256}{243} Z \omega \frac{9}{8} N \eta \frac{9}{8} \Pi \alpha
\end{array}
$$

## 



$\pi \rho \omega \tau$

 Прюточ\&入тои.

## KEФA^AION IA'.

## 














| 1 |  |  |  |  |  |  |  |  |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 |  |  |  | $:$ |  | 3 | $:$ | 4 |
| 4 |  | $:$ |  | 5 | $:$ | 6 |  |  |
| 8 | $:$ | 9 | $:$ | 10 |  |  |  |  |















 $\pi \lambda \alpha \sigma \iota \alpha \sigma \mu \circ$ û tడ้̃




$$
\begin{aligned}
N \eta \frac{3}{2} & \Delta t \frac{21}{12} K \varepsilon \frac{15}{8} Z \omega \frac{2}{1} N \eta \\
& \Delta \iota \frac{7}{6} K \in \frac{15}{14} Z \omega \frac{16}{15} N \eta
\end{aligned}
$$









$$
\begin{array}{ll}
N \eta \frac{4}{3} & \Gamma \alpha \frac{3}{2} \Delta \iota \frac{21}{12} K \varepsilon \frac{15}{8} Z \omega \frac{2}{1} N \eta \\
& \Gamma \alpha \frac{9}{8} \Delta \iota \frac{7}{6} K \varepsilon \frac{15}{14} Z \omega \frac{16}{15} N \eta
\end{array}
$$













$$
\begin{aligned}
& N \eta \frac{7}{6} \Pi \alpha \frac{5}{4} \text { Bou } \frac{4}{3} \Gamma \alpha \frac{3}{2} \Delta \iota \frac{21}{12} K \varepsilon \frac{15}{18} Z \omega \frac{2}{1} N \eta \\
& N \eta \frac{7}{6} \Pi \alpha \frac{15}{14} \text { Bou } \frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta \iota \frac{7}{6} K \varepsilon \frac{15}{14} Z \omega \frac{16}{15} N \eta
\end{aligned}
$$






$$
\left(N \eta \frac{5}{4} \text { Bou } \frac{6}{5} \Delta \iota \frac{5}{4} Z \omega\right)
$$



$$
\left(\Pi \propto \frac{7}{6} \Gamma \propto \frac{63}{48} K \in \frac{7}{6} N \eta\right)
$$











$$
\left(\Pi \alpha \frac{32}{27} \Gamma \alpha \frac{81}{64} K \varepsilon \frac{32}{27} N \eta\right)
$$











$$
\begin{aligned}
& N \eta \frac{15}{14} \Pi \alpha \frac{5}{4} \text { Bou } \frac{4}{3} \Gamma \alpha \frac{3}{2} \Delta t \frac{45}{28} K \varepsilon \frac{15}{8} Z \omega \frac{2}{1} N \eta \\
& N \eta \frac{15}{14} \Pi \alpha \frac{7}{6} \text { Bou } \frac{16}{15} \Gamma \alpha \frac{9}{8} \Delta t \frac{15}{14} K e \frac{7}{6} Z \omega \frac{16}{15} N \eta
\end{aligned}
$$




























 Toû ( $\Delta \mathrm{l}$ ).






 Toû ठıò $\pi$ ह́vte









##  тоข̃ $\delta \varepsilon v \tau \varepsilon ́ \varrho o v ~ ク ̈ \chi ๐ v . ~$

$$
\left(N \eta \frac{256}{243} \Pi \alpha \frac{6}{5} \text { Bou } \frac{135}{138} \Gamma \alpha \frac{9}{8} \Delta t \frac{256}{243} K \varepsilon \frac{6}{5} Z \omega \frac{135}{128} N \eta\right)
$$




 $\varepsilon$ Ival tà દُ $\mathfrak{\xi}$ ทิs:


































## 



$$
\begin{aligned}
& \left.\frac{9}{8}\right) ~ \Pi \Pi \frac{32}{27} \text { Bou } \frac{192}{135} \Gamma \alpha \frac{3}{2} \Delta t \frac{27}{16} K \varepsilon \frac{16}{9} Z \omega \frac{96}{45} N \eta \frac{18}{9} \Pi \alpha \\
& \Pi \propto \frac{256}{243} \text { Bou } \frac{6}{5} \Gamma \alpha \frac{135}{128} \Delta t \frac{9}{8} K \varepsilon \frac{256}{243} Z \omega \frac{6}{5} N \eta \frac{135}{128} \Pi \alpha .
\end{aligned}
$$













 фөбүуои ( $\Delta \mathrm{t}$ ) भुто: : ( $\Delta \mathrm{t} \frac{3}{2} \Pi \alpha$ ).














 ( $\left.\Delta t \frac{4}{3} N \eta^{2} \frac{3}{2} \Delta t^{2}\right)$.






 тикдン үध́vos.





















## $K E Ф A \wedge A I O N I B^{\prime}$.

##  









 $\mu \alpha к о \varsigma-\delta ı \pi \lambda \alpha о і \varsigma_{\varsigma}-(\Pi \alpha)$.



## MIXAHA XATZHAOANAEIOY

「ヶаĩะ（Eủ甲＠обv́vท）















 Хрúaives roppés тクร．





 үıג̀ хорb．



 űpvoug．



























 $\mu t v o ~ \sigma e ̀ ~ \delta u ̛ o . ~$
 $\pi \lambda \alpha \sigma$ iou. (1-2).


 $\gamma \varepsilon \omega \mu \varepsilon \tau р เ x \omega ̃ \nu \quad \dot{\alpha} \pi о \tau \varepsilon \lambda \varepsilon \sigma \mu \alpha \dot{\alpha} \tau \omega$.













[^0]
























 тเขทีя $\mu$ оибเкทีร;









 $\tau \varepsilon \chi$ voт $\rho \circ \pi i \alpha$ тои̃ $\alpha l \tilde{v} v \alpha \mu \alpha$.






$\Sigma \tau \alpha \mu \pi о \dot{\lambda}$ 15. 11. 1948.
AERNIAAE XP. BEZANHE



[^0]:    
    
    

