

Abramelin In Enochian



Jonathan Barlow Gee

This ebook edition of:
“Abramelin In Enochian”
Is hereby © this: Jan 4, 2021;
By: Jonathan Barlow Gee
For: the Pythagorean Order of Death

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S A T A N
A M E N A
T E D E T
A N E M A
N A T A S

S A T A N
A D A M A
T A B A T
A M A D A
N A T A S

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ᄅ ᄇ ᄉ ᄅ ᄇ
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Enochian Gematria Of The Aurum Solis

By: Jonathan Barlow Gee
(2021 edition)

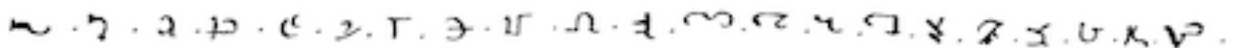
T S U Z R O X N Q P L H I M E A F D G C B

	V̇	1
	Ḃ	2
	U̇	3
	Ẋ	4
	⚡	5
	⚡	6
	⌋	7
	ε	8
	⌋	9
	⊗	10
	⊖	20
	Ω	30
	⌋	40
	⊖	50
	⌋	60
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	ε	80
	⊖	90
	⌋	100
⌋		200
		300

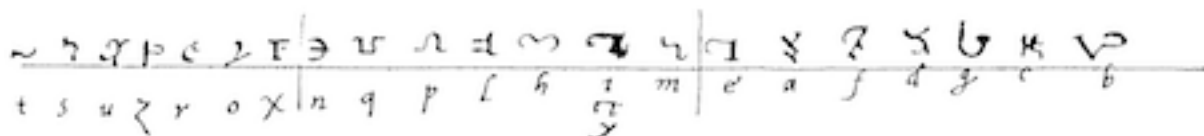
How did the “Enochian” alphabet and language originate?

Assuming Dee knew what he was doing in placing the Enochian alphabet in the order he did, it should also be safe to assume he intended some form of gematria be attributable to it as well. As cryptologists and linguists have sought to decode Dee’s inspirations, it has been noted (by Mathers, Crowley and Regardie) that Enochian grammatical structure and implied pronunciations of its phonemes may resemble Hebrew, however - as more modern research by Donald Laycock (1936 - 1988) has pointed out - Enochian’s cadence and pronunciations are rooted more in old English (and likely Welsh), though its alphabet of phonemes appears wholly unique. Being, thus, unlike either the 22 letters of the traditional Hebrew alphabet or the 24 runes of the elder Futhark, Dee’s 21 letter, “Enochian” alphabet yet incorporates elements from both. In Dee’s “*Mysteriorum Libri Quinque*” (5 books of magick, written from 1581 - 1583) are given his first 3 lists of the “Enochian” alphabet. In the second and third of these, we clearly see Dee’s demarkations dividing the list of 21 letters into 3 groups of 7.

We know Dee owned a book, published in 1550, called “*Voarchadumia contra alchimiam*” by Johannes A. Pantheus, in which an apparently similar script is listed as being “Enochian” - although this script more resembles classical Hebrew turned on its side. In the context of this work (on pages 27 & 28 of 126) an alphabet is presented, clearly enough, as 4 columns of glyphs beside their printed phoneme translations. The first lists: “A, B, G, D, H, V, Z, Ch, T;” the second: “I, C, L, M, N, S, F, P, K.” On the following page, the third lists: “K, R, S, T” (in an anagram surely not wasted on Dee), and finally, in a last column (labeled as being attributed to Enoch), a list of glyphs is given that maybe similar in idea to the 5 “final” letters in Hebrew (given diacritical “Tikkun” dots to signify their gematria changes when they appear at the end of a word), as signs for the letters: “th, ph, ch, Z, Y, X, V & T”. The inclusion of this last list brings the total letters given from the traditional 22 letters of the Phoenician / Aramaic alphabet to the 27 of Modern Hebrew.



Officially, Dee and Kelley divined the 21 letter alphabet’s glyphs beginning on March 26, 1583, however it remains entirely likely that the order was arrived at more or less at random. Again, it seems to lack the ideographic historiography of Phoenician alphabetic systems and, instead, is a simple short-hand cipher for convenience of notation. The first list shows only the Enochian letters themselves, divided by dots. The second list shows the Enochian letters (above) coupled with their Etruscan / English phoneme translations (below), and the third list gives the Enochian letters their proper names. In both the second and third lists, there are clearly marks indicating the intent by Dee to divide this 21 letter alphabet up into 3 groups of 7 letters each.



V - Pa ——— b
 K - ves ——— c
 U - ged ——— g
 X - gal ——— d
 Z - or ——— f
 Y - un ——— a
 T - graph ——— e
 L - Tal ——— m
 R - Gon ——— i
 S - na ——— hat
 F - vr ——— l
 N - mals ——— p
 U - ger ——— q
 D - drux ——— n
 T - Pal ——— x
 V - med ——— o
 C - don ——— r
 P - cep ——— z
 X - van ——— u
 ? - fam ——— s
 W - Giff ——— t

Though Dee's repeated division of the alphabet into 3 groups of 7 seems to indicate his intent was to develop a gematria system unique to this alphabet as well, this idea seems to have been lost to time or, perhaps, remains encrypted in the never-translated text of "Liber Loagaeth" - the book of 98 (49, double-sided) "great letter table" leafs with 7X7 squares of 49 cells apiece, each cell containing (according to Dee's "Sextus et Sanctus") some word(s) or letter of the Enochian language and alphabet (according to wikipedia, containing "thousands" of untranslated Enochian words).

Although (to my knowledge) not listed in their folio "cipher manuscripts," the Golden Dawn esoteric mystery school apparently attempted to assign a gematria system to Dee's Enochian alphabet and, apparently also, their student, Aleister Crowley, disagreed with them about this and went off and formulated his own order for such as well. In this brief work I will not be dealing with either of these, but will instead focus on the method I believe most likely was Dee's own original intent; the model presently called the "Aurum Solis." Suffice it to say about this model that it is simple and based on a traditional "gematria" format: the first letter is enumerated 1, the second 2 and so on until the 10th letter, following which each letter is given a decade interval, from 20 to 30 to 40 and so on until the 19th letter of the alphabet maybe labeled as 100, and so all subsequent letters counted by centurial increments as well. In the case of Dee's Enochian alphabet of 21 letters, the highest "gematria" sum thus yielded is 300. This is one shorter than the classical Hebrew alphabet of 22 letters with a highest "gematria" sum of 400.

The obvious shortcoming of the "Aurum Solis" system for Enochian gematria is that it is base-10, and the Enochian alphabet of 21 letters is most easily divisible into base-7. This discrepancy between a (now lost) unique gematria system of Dee's own and the standard base-10 gematria system used in the Aurum Solis cannot now be reconciled.

It should be noted here that, whether the Aurum Solis is "correct" Enochian gematria (as Dee intended it) or not, the gematria sums arrived at by applying it remain internally consistent within this system - as do the GD and AC arrays within themselves; thus, ultimately, any of them maybe useful, however the "Aurum Solis" remains preferable here as being the simplest and, in my estimation, most likely "correct" method.

The "words" formed from Enochian "letters" were written by Dee without any guide to pronunciation, although later (as mentioned) Mathers, Crowley and Regardie worked out a method based on Modern Hebrew: inserting aspirated "vowel" sounds even where none are written. The "language" thus formulated originates in a small sum of source texts given by Dee in both Enochian and English translation; these are the so-called "Keys" or "Calls" of the "30 Ayres" or "Aethyrs" - of which there are 18 individually, followed by a 19th collectively addressing them all. Including Dee's English translations, we will also be looking at these manuscripts' contents as a data-set of cipher-text and comparing their Enochian spelling to their English transliterations. Following this we may examine a list of all the words occurring in this cipher-text, ordered by their "Aurum Solis" gematria sums.

I	=	V	=	1	=	B
II	=	B	=	2	=	C
III	=	6	=	3	=	G
IV	=	Ƨ	=	4	=	D
V	=	⌢	=	5	=	F
VI	=	⌢	=	6	=	A
VII	=	⌢	=	7	=	E
VIII	=	Ƨ	=	8	=	M
IX	=	⌢	=	9	=	I
X	=	⌢	=	10	=	H
XI	=	⌢	=	20	=	L
XII	=	Ω	=	30	=	P
XIII	=	⌢	=	40	=	Q
XIV	=	⌢	=	50	=	N
XV	=	⌢	=	60	=	X
XVI	=	⌢	=	70	=	O
XVII	=	Ƨ	=	80	=	R
XVIII	=	⌢	=	90	=	Z
XIX	=	⌢	=	100	=	U
XX	=	⌢	=	200	=	S
XXI	=	⌢	=	300	=	T

To familiarize ourselves with the “Aurum Solis” method of Enochian gematria, let us look at only the names of the “30 Ayres” themselves. In Dee’s Enochian system, each “Ayre” was given a 3-letter name, and each was assigned with 3 separate, 7-letter sigils (aside from TEX - the lowest Ayre - containing 4 such sigils). Thus, the 30 “Ayres” were envisioned as like concentric spheres surrounding the globe of the earth and the 91 sigils were called “places of the earth” that corresponded to the locations of these sigils in the stratified “Ayres” above. Here we will only be looking at the names of the 30 Ayres in English transliteration, as “Aurum Solis” gematria sums, and in Enochian.

The first observation we may make in examining this data-set is that, when spelled in Enochian, the same letters we see in English transliteration being written from left-to-right are re-written in the “Angelic script” in reverse order, from right-to-left. So we see, for example, TEX - the lowest sphere - is written in Enochian X-E-T (𐌧𐌶𐌵), and so forth as with all the others. In some sources, the transcription is preserved from the English transliteration wherein the letters proceed left-to-right. This maybe inauthentic, but it is not altogether wrong, in that reordering the letters does not change the word’s gematria value (in the AS, GD or AC systems). 3 of the names of the 30 Ayres (LIL, POP and OXO) are even palindromes, indicating as much was equally obvious to Dee.

In the following section transcribing the “Calls” or “Keys” of the Ayres, forgoing Dee’s interlinear English translation, the Enochian words will all be written out “right properly,” as in, from right-to-left; all the accompanying transliterations into English letters will thus, accordingly, follow also from right-to-left.

The fact the words of the Enochian “language” maybe written either right-to-left - “right properly” - or from left-to-right - “widdershins” - without it changing their gematria value and even (in the many cases of palindromes) without it even changing the words’ meaning seems to indicate an aspect of Enochian that is, again, unique to it among other alphabets and languages. Indeed, the several examples of palindrome words in Enochian tend to indicate that this possibility may also have been pondered by Dee, although to what end can now only be speculated upon.

Here, then, are the 3-letter names of the 30 Ayres in English transliteration, in (Aurum Solis) gematria sums and in “right proper” Enochian script. They follow downward from the upper left corner in all 3 lists, with “LIL” at the outermost and “TEX” at the core. Thus, LIL contains DEO which contains ZIM, etc. down to ZEN containing NIA containing TEX. Likewise, LIL (in the topmost chart of English letters) corresponds to 49 (in the middle chart of gematria sums), DEO to 81, ZIM to 107 and thus forth left-to-right and top-to-bottom, ending with ZEN = 147, NIA = 65 and TEX = 367. Again, because the English transliterations of these names read left-to-right, while their “right proper” Enochian spelling reads right-to-left, the same 30 names occur both above (in English) and below (in Enochian) in the same cell on the chart, but are spelt opposite each other. Hence, TEX is spelt in Enochian X-E-T (𐌧𐌶𐌵), NIA is spelt A-I-N (𐌶𐌵𐌶), ZEN spelt N-E-Z (𐌵𐌶𐌵) and so on and so forth.

LIL	DEO	ZIM	POP	VTI
ARN	ZID	VTI	CHR	DES
ZOM	ZIP	OXO	ASP	ZAA
PAZ	ZAX	LEA	LIN	BAG
LIT	ICH	TAN	TOR	RII
MAZ	LOE	ZEN	NIA	TEX

(49)	(81)	(107)	(130)	(409)
(136)	(103)	(406)	(92)	(211)
(168)	(129)	(200)	(236)	(102)
(126)	(156)	(33)	(79)	(10)
(329)	(21)	(356)	(450)	(98)
(104)	(97)	(147)	(65)	(367)

ርገር ረገር ይቀጥ ሲሰጥ ገሰገሰ
 ይደገፍ ይገባ ይሰጥ ይገባ ገሰገሰ
 ይገባ ሲሰጥ ሲሰጥ ሲሰጥ ይገባ
 ይገባ ሲሰጥ ይገባ ይገባ ይገባ
 ይገባ ይገባ ይገባ ይገባ ይገባ
 ይገባ ይገባ ይገባ ይገባ ይገባ

CHARACTER FREQUENCY [Keys and Aethyrs]

A-544 B-117 C-122 D-120 E-100 F-36 G-106 H-97 I-360 J- 0 K- 0 L-225
M-151 N-187 O-369 P-135 Q- 22 R-210 S-153 T-106 U- 0 V-107 W- 0 X-35
Y- 0 Z-97

WORD FREQUENCY [Keys and Aethyrs]

105: OD
35: DS
29: CHIS
23: TA
15: SOBA
14: ZAMRAN ZACAR
13: MAD
12: I
11: QAA ODO LAP
10: L IAIDA CICLE BAGLE
9: ZORGE ZIRDO NOCO
8: HOATH
7: OHIO IAD CAOSGO
6: NIISO AAI
5: VIV OM MICMA ILS COCASB CASARMG CAOSGI CA BRIN
4: VPAAH TORZV TILB SALMAN OL MICAOLZ D CORS AR
3: ZIR ZCHIS VGEG TOL TELOCH SONF SOBAM Q OTHIL OIAD MIRC MIAM IVMD
IALPRT HOLQ HAMI GOHO F ENAI DIV CHRISTEOS CAOSG BLIOR BALTOH BALT
ALDON AG ABRAMG
2: VONPHO VONPH VNAL TRIAN TOX TOLTORN TIOBL THIL TABAORI T SAANIR
RIT QVIIN PLAPLI PERIPSOL OS ORSBA OOAONA OECRIMI O NOR NONCF NOAN
NIIS NAZ MICAOLI MATB MALPRG MADRID LONSHI LONDOH LIL IP IAOD IALPRG
HVBARO GOHVS GOHOL GNAI FAFEN ELZAP EFAFAFE DRILPA DOOAIN DLVGAR DAZIZ
CRIP CORMP CORDZIZ CORAXO CLA CHIRLAN CASARMAN CASARM CAPIMAO BVSDIR
BVSD BLIORS BABAGE AVAVAGO AAIOM

In examining the 19 “keys” or “calls” and 30 names of the “Ayres” or “Aethyrs,” we find that they contain at least 671 occurrences of some 132 unique terms in Enochian. The most commonly used Enochian word in the “keys” or “calls” is “OD” - which translates into English as “And.” The most commonly occurring Enochian letter in the “keys” or “calls” is “Ƿ,” the English letter “A.”

Of course, this cryptology is irrelevant of their English translations - containing a different sum of occurrences for different terms; we will not be deciphering the English translations here. Suffice it to say they are prosaic in the extreme and appear to be the product of random word-association given a fixed vocabulary of Enochian terms and phrases.

Of particular note in regard to Dee’s translations should be his use of number-sums in place of English words or phrases in transposing certain of the Enochian terms. While, ostensibly, this could be done with any (and all) terms in the “keys” or “calls” - using any prior gematria system - Dee’s selection of only certain keywords to render as number-sums in his English translation is revealing. In this brief context, I will not belabor the point by trying to decipher Dee’s use of these number-sum substitutions for certain Enochian terms in the “keys” or “calls.”

Determining Dee’s intent in this matter - let alone interpreting his English translations of the “keys” or “calls” - maybe nearly futile; however, it remains possible to “attack” his Enochian language alike a code and apply known methods of cryptography in attempt to decipher it. As such, classical gematria (in any of the given - AS, GD or AC - methods) is a useful tool in applying a mathematical, numerical system to cracking a linguistic code.

So, for example, we could say that the Enochian word “OD,” translating into English as “And,” has a gematria value of 74. Thus, the most commonly occurring gematria sum (at least according to the AS method) is 74. Likewise, the most commonly occurring letter in the “keys” or “calls” is “Ƿ” - the English letter “A” - which has a gematria value (again in the AS) of 6. So, the most commonly occurring single factor sum would be 6.

It remains unlikely the mystery of the Enochian language will be resolved by this approach. At best, Enochian seems to be an interesting experiment in language invention - culled together by first taking certain keywords and phrases in Old English and then translating them into the cipher-text of the Enochian alphabet and language. Without the English translations provided by Dee (like a “Rosetta Stone”), it remains highly unlikely that any of the Enochian text would have yet been decrypted. Given Dee’s translations, it remains possible to extrapolate further on Enochian; this includes not only translating “Liber Loagaeth” but even inventing new Enochian words. The presence of palindromes in Enochian vocabulary further implies the possible application of “magic squares” to the construction of Enochian words. This, for now, remains a project for another time.

Following are the 18 (individual) “keys” or “calls” and the 19th (collectively) “of the 30 Aethyrs” in “right proper” Enochian script, English phonetic transliteration and English translation. Study these as a theurgy for summoning “angels” only at your own risk.

ገ ልጅ ርሊቅ ጽህፈት ለወንጌል ቅርጽ ጥንቃቄ ለሆነ ሕግ ለግሪክ ስጦታ ርሊ
 AT I ROR LOZ ARBOS OHPNOV ZLAC HSNAL TLAB DAI OHOG GSROV FNOS LO
 ገ ጥንቃቄ ሕግ ርሊቅ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 AT HAMMOC DO ZMIZ AOHTON AAQ QLOH SD GRPLAM AT AARG DO DASPZAN
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 MASRG HELOBO SBRV SD IDLA EGRP PNONG LIHT ABOS NEIZ HOLBON
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 MRASAC MZRAF HALIP HANDAI MRE BAC GSNERNOS SD RIP ABAC ALEROHO
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 MAPI ABOS HOT DO MOH SD LIPDAI ONOG DO ANDA AZRNZ DO DO HOTLAB
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 PAIP AT IAA FNOS DO LAMAOP DMOZ PEV OLOHOL SD SIMAPI LV DO NAOAV
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 HTAOH DAM OCON ODRIZ PAL EGROZ AAQ ELCIC ODO NARMAZ DO AC RACAZ
 ጥንቃቄ
 ADIAI

I Reign Over You, Sayeth The God Of Justice, In Power Exalted Above The
 Firmaments Of Wrath. In Whose Hands The Sun Is As A Sword, And The Moon As
 A Through-Thrusting Fire; Which Measured Your Garments In The Midst Of My
 Vestures, And Trussed You Together As The Palms Of My Hands. Whose Seats I
 Garnished With The Fire Of Gathering And Beautified Your Garments With
 Admiration; To Whom I Made A Law To Govern The Holy Ones, And Delivered
 You A Rod With The Ark Of Knowledge. Moreover You Lifted Your Voices And
 Swore Obedience And Faith To Him That Lives And Triumphs, Whose Beginning
 Is Not And End Can Not Be; Which Shines As A Flame In The Midst Of Your Palace
 And Reigns Among You As The Balance Of Righteousness And Truth! Move
 Therefore And Show Yourselves! Open The Mysteries Of Your Creation! Be
 Friendly To Me For I Am The Servant Of Your God A True Worshipper Of The
 Highest!

ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 HPDAIP ZAZAZI GRPLAI MABOS L VIV DLAS PIAAF MO GNOZ HAAPV TGDA
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 EGEO SBRVT QLSROL AT Q ADEL CARAP OHLAT AT GMARBA AMRASAC HOTLAB
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 FORT NAON PAL NOGNOZO AIB SIHC PLACIM DO IRRO DSVL SIHC IVIG
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 NARMAZ DOQONC AC RACAZ LEHOG VZROT NODIAI NINAM QO EG AT SROC
 ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ ጥንቃቄ
 DAI OI RIZ PAL PLERV MZAZO DO OZLACIM

4

ሆኖ ሕዝቡን በደቡብ ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
SD DP PMROC OGAVAVA EGSIHCG LOHOG AHPROD DO EGABAB IDSAL LIHTO
ሕዝቡን በደቡብ ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
OPMROC GA MABOS MPAM ILAO IMRASAC VID VIV FNOS GMRASAC L PIRC
ወደባቸው ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
NOAMIPAC SIHC IIAMIPAC T SD GEGV DO SIHC IZDOORC SIHC NIHSNOL DO
እነዚህም ሕዝቡን ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
AGSOAC F DO IHASAVQ RON VZROT ALC OL AT I SD DAI IANE RIZ ELGAB
ወደባቸው ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
RON IAA LETSER GNOSILEBO NARMAZ DO RACAZ LAAVQ PIAOOD ALIPA DO
በደቡብ
PALOM

I Have Set My Feet In The South And Looked About Me Saying: Are Not The
Thunders Of Increase Numbered 33 Which Reign In The Second Angle? Under
Whom I Have Placed 9639 Whom None Have Numbered But One; In Whom The
Second Beginning Of Things Are And Wax Strong; Which Also Successively Are
The Numbers Of Time, And Their Powers Are As The First 456. Arise, You Sons
Of Pleasure And Visit The Earth! For I Am The Lord Your God, Which Is And
Liveth! In The Name Of The Creator, Move And Show Yourselves As Pleasant
Deliverers That You May Praise Him Among The Sons Of Men.

5

ሕዝቡን በደቡብ ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
DO GASOAC LAHPROD HCORDA SINAVQ AT SAON DO VID D IIMIZ HAPAS
ወደባቸው ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
RAGVLD DO FA HTRA ZAN IZPIMA MRASAC ROILB AT LOSPIREP STNOAF
ወደባቸው ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
DOAI DO VIV DO L HCSAISE SIHCZ DO IGROTLOT IGASOAC ADILZ POZIZ
ሕዝቡን በደቡብ ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
DO SLV AL AT SIHC AFMROC ABOS LAOEP RABVH LAREP SD DLIHT
ወደባቸው ለመመለስ ለማለት ለመግባባት ለመገናኘት ለመገናኘት
SANDE LAIAI ROILB DO IZRAHTE F SAAVQ SBRAD DO SIIN AC BSACOCQ
በደቡብ
L I DAI ELGAB SELCIC

The Mighty Sounds Have Entered The Third Angle And Are Become As Olives In
The Olive Mount: Looking With Gladness On The Earth, And Dwelling In The
Brightness Of The Heavens, As Continual Comforters. Unto Whom I Fastened
Pillars Of Gladness 19 And Gave Them Vessels To Water The Earth With All Her
Creatures. And They Are The Brothers Of The First And The Second, And The
Beginning Of Their Own Seats, Which Are Garnished With Continual Burning

Lamps 69636 Whose Numbers Are As The First, The Ends, And The Contents Of
Time! Therefor Come Ye, And Obey Your Creation! Visit Us In Peace And
Comfort! Conclude Us As Receivers Of Your Mysteries. Why? Our Lord Is All One!

6

𐌹𐌺 𐌳𐌺𐌸𐌹𐌹𐌹 𐌸𐌺 𐌴𐌸𐌹 𐌸𐌺 𐌸𐌹𐌹𐌹 𐌸𐌺𐌸𐌹𐌹𐌹 𐌸𐌺𐌸𐌹𐌹𐌹 𐌸𐌺 𐌸𐌹𐌹𐌹 𐌸𐌺 𐌸𐌹𐌹𐌹
 DO NOLABAB RIM GRAH LE MABOS NIZLIP ZLOACIM ME SIHC VID S HAG
 𐌹𐌸𐌸𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹
 PAZLE ABOS LANAC MACA DO IGSOAC RA GRPLAM RAGVLD GLEVMAS COLBO
 𐌸𐌸𐌸𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹
 F PAZLE ABOS LANAC MACA DO IGSOAC RA GRPLAM RAGVLD GLEVMAS
 𐌸𐌸𐌸𐌹𐌹 𐌸𐌹𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹
 HTEPLOS RASRAD D DO VIV AT MIAM DO BATENA SIHC DO GSOAC DRAILB
 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹
 NIRCE DO EHAIVL NAIRT HTAAH ABOS OZLACIMG MACAZ DO ATIRB NEIB
 𐌸𐌹𐌹𐌹 𐌸𐌹𐌹𐌹
 NOAAQ DAM

The Spirits Of The Fourth Angle Are Nine, Mighty In The Firmament Of Waters:
Whom The First Hath Planted As A Torment To The Wicked And A Garland To
The Righteous; Giving Unto Them Fiery Darts To Fan The Earth, And 7699
Continual Workmen Whose Courses Visit With Comfort The Earth, And Are In
Government And Continuance As The Second And The Third. Wherefore,
Hearken Unto My Voice: I Have Talked Of You And I Move You In Power And
Presence, Whose Works Shall Be A Song Of Honor And The Praise Of God In Your
Creation.

7

𐌹𐌺 𐌳𐌺𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹
 DO NOMTVB IANE NIIVQ HAGRIPLAI IAA IMIRCEO ZIDARAP NAMLAS I SAAR
 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹
 SROC NAITFICVL CANOZ DO NALRIHC RAEGV GMRASAC LAIDARAP IN SAONI
 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹
 AEDAMV SE DO D AT SIHC MAIM DO HODNOL ABOS IMAH LOT NRIZ LVV AT
 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹
 IMIRCEO NARMAZ RACAZ TIR LOVQONC MAIM DO TIR LIHTO RAILBIP DO
 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹
 FILPMV DO IHSNOL MAGVLDI ROBPAP ELGAB MOIAA ZLOACIMO DO HADAAQ
 𐌸𐌸𐌸𐌹𐌹𐌹 𐌸𐌸𐌸𐌹𐌹𐌹
 DAILGIB GEGV

The East Is A House Of Virgins Singing Praises Among The Flames Of First Glory:
Wherein The Lord Hath Opened His Mouth, And They Are Become 28 Living

Dwellings In Whom The Strength Of Men Rejoices. And They Are Appareled With
Ornaments Of Brightness Such As Work Wonders On All Creatures. Whose
Kingdoms And Continuance Are As The Third And The Fourth, Strong Towers
And Places Of Comfort, The Seats Of Mercy And Continuance. O You Servants Of
Mercy, Move, Appear Singing Praises Of The Creator, And Be Mighty Among Us!
For To This Remembrance Is Given Power, And Our Strength Waxes Strong In
Our Comforter!

8

ᑲᑭᑲ ᑲᑭᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
GEGV SIHC NARV GMRASAC XO HBAVA ZAN NLO NOSPIRIP AT I OI EMZAB
ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
NIVOV IABA SICLOL AT NAIRT MAIM ABOS DAI OHOG AHOTLAB GMARBA SD
ᑲᑲ ᑲᑲᑲ ᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲ ᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲ
DO SIHC SD OGSOAC DSVB XO AAP SD AD SIHC LIGRI ROIR REIGAIZA DO
ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
OSIIN FABRAC ANIVOV DO OHCNOL NAMLAS O GRACAC HCOLET NARVPI
ᑲᑲᑲ ᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
AZBAM DO NOIAIS OAMAM ELGAB OSIIN NOHOG OGAVAVA ELGAB
ᑲᑲᑲ ᑲᑲ ᑲᑲᑲ ᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
ISROC DO SROILB DO OGSOAC IFOAIC NARMAZ SIIN PLIOP RAMOMSIODAI
ᑲᑲᑲ ᑲᑲ
GIMARBA AT

The Midday, The First Is As The Third Heaven: Made Of Pillars Of Hyacinth 26, In
Whom The Elders Are Become Strong. Which I Have Prepared For My Own
Righteousness, Sayeth The Lord, Whose Long Continuance Shall Be As Bucklers
To The Stooping Dragon, And Like Unto The Harvest Of A Widow. How Many Are
There Which Remain In The Glory Of The Earth? Which Are, And Shall Not See
Death Until This House Fall And The Dragon Sink? Come Away! For The
Thunders Have Spoken! Come Away! For The Crowns Of The Temple And The
Coats Of Him That Was, Is, And Shall Be Crowned Are Divided. Come, Appear To
The Terror Of The Earth, And To Our Comfort And Of Such As Are Prepared!

9

ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
OHPNOV P EFAFAFE NIRB SD ROPLAI ATPAN LEGRVP GSNARB ILOACIM
ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
ADSVL RALA EILAB NANART DO NATAT SIHC HAAPV ABOS AZBO DO INALO
ᑲᑲ ᑲᑲᑲ ᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
SAL AT OGSOAC MOM NODLA LANV IAIC IDOVQONC QLOH SIHC DO NLOBOS
ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ ᑲᑲᑲ
INIVA SIHC NAONAO SIHCZ DIRDAM ABOS SIHC AMMA LALMIL IANG ROLLO

ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ደጅቦ ገገራላቸው ላይ ገጠሟል ለጸሐፊዎች
 OADLIHCA ZMAHTE ZIZAD ALINC IVMVZ MRAP INOMTVB DO IGSOAC IPLIRD
 ሲሆን ገጠሟል ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል
 DAI ELGAB MICV MABOSA NINICLV LALLO IAIDIP SIHC LOZO CRIM DO
 ሲሆን ገጠሟል ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል
 AT SROC I BSACOC ELGAB EFAFAFE PI DO OSIIN RAP NALRIHC HOTLAB
 ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል
 ROILB GINV

A Mighty Guard Of Fire With Two-edged Swords Flaming, Which Have Vials 8 Of
 Wrath For Two Times And A Half, Whose Wings Are Wormwood And The Marrow
 Of Salt, Have Settled Their Feet In The West And Are Measured With Their
 Ministers 9996. These Gather Up The Moss Of The Earth As The Rich Man Doth
 His Treasure. Cursed Are They Whose Iniquities They Are: In Their Eyes Are
 Millstones Greater Than The Earth, And From Their Mouths Run Seas Of Blood.
 Their Heads Are Covered With Diamond, And Upon Their Heads Are Marbles
 Sleeves. Happy Is He On Whom They Frown Not: For Why? The God Of
 Righteousness Rejoices In Them! Come Away! And Not Your Viols: For The Time
 Is Such As Requires Comfort!

10

ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል ለጸሐፊዎች
 SIHC NONOLIL ABOS BEAP ROIZAIZA LACVL SNALB DO PMROC SIHC OXAROC
 ሲሆን ገጠሟል ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል
 DO GISOD NOPLAI SD IGSOAC ELGAB ISAAM RILCAR DO NAHPOE PO QRIV
 ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል ለጸሐፊዎች
 SIHC LANV NAObAF RIXNIC XORBLAS DO SIRTAIS ZIZAD XEXO DO MIGSAB
 ሲሆን ገጠሟል ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል
 DO XAIXIG LO ILOACIM SROE ROI OINAO LO BSACOC XOAD SD TSNOC
 ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል ለጸሐፊዎች
 BSACOC BROtAM NLORD MO GARAL PIEGAP SD IVLOM ISOLP BSACOC BTAM
 ሲሆን ገጠሟል ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል
 OIHO DRALEGNA IANG AROLO SNONOM GIMON BTAM ICLOI XLARTAP L ANME
 ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል ለጸሐፊዎች
 PORIZ I DIRDAM ELGAB NOGSOAC OIHO BION OIHO OIHO OIHO OIHO OIHO
 ለጸሐፊዎች የሚጻፍ የጥንቃቄ ጽሑፍ ገላጭ ገገራላቸው ላይ ገጠሟል ለጸሐፊዎች
 ILADIN PI PIRC OSIIN APLIRD OSIHC

The Thunders Of Judgment And Wrath Are Numbered, And Are Harbored In The
 North In The Likeness Of An Oak, Whose Branches Are Nests 22 Of Lamentation
 And Weeping Laid Up For The Earth. Which Burn Night And Day, And Commit
 Out The Heads Of Scorpions And Live Sulphur Mingled With Poison. These Are
 The Thunders Which 5678 Times In The 24th Part Of A Moment Roar With An
 Hundred Mighty Earthquakes And A Thousand Times As Many Surges. Which
 Rest Not, Neither Know Any Echoing Time Here. One Rock Brings Forth A

Thousand Even As The Heart Of Man Does His Thoughts: Woe, Woe, Woe, Woe,
Woe, Woe, Yeah, Woe To The Earth! For Her Iniquity Is, Was, And Shall Be Great!
Come Away! But Not Your Noises!

11

፪፻፶፮ ሂ ፲፯፻፩ ፪፻፳፻ ፲፱ ፯፻፪፯ ፯ ሂ፪፻፶ ሂ ሂ፻፳፱ ር፯፻፶፯
RIZBAV DO ISAAR RADLIZ SD OXAROC O MORIZ DO ODLOH LAIAIXO
፲፻፳፱ ር፯፻፪፯፻፯ ፱፻፳፻ ር፯፻፳፻ ር፯፻፳፻ ሂ ፯፻፶፯ ር፯፻፶ ሂ ፯፻፳፻፪፯፻፯
QLOH NAMRASAC HCOLET NAMLAS NODLA DO OSIIN LAHAB DO XAILEMAC
፪፻፻፶ ፱፻፳፯ ፴፪፻፶፻ ፲፻፶፯ ፻፯ ፲ ፻፪፻፯ ፻፶፯ ፲፯፻፶፶ ፻፯ ፲ ፯ ሂ
RACAZ PCNON GMARBA ELGAB OSIIN AG I FMROC ABOS SIHCZ AT I T DO
፻፳፻፯ ፱፻፶፱ ሂ፻፪ ሂ፻፳፯ ሂ፻፻፶ ፱፻፳ ፲፻፶፯ ፻፯ ፲፻፶፯ ሂ፻፻፻ ሂ ፻፻፻፶ ሂ ፻፻፻፶
ADIAI HTAOH DAM OCON ODRIZ PAL EGROZ AAQ ELCIC ODO NARMAZ DO AC

The Mighty Seat Groaned And They Were 5 Thunders Which Flew Into The East:
And The Eagle Spake And Cried With A Loud Voice: Come Away! And They
Gathered Them Together In The House Of Death, Of Whom It Is Measured And It
Is As They Are Whose Number Is 31. Come Away! For I Have Prepared For You!
Move, Therefore And Appear! Open The Mysteries Of Your Creation! Be Friendly
To Me, For I Am The Servant Of God, The True Worshipper Of The Highest!

12

፻፯ ሂ ፱፻፻፻ ፪፻፳፻ ፱፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯
FE DO HAARTA RALLA PBIBIT ORABVH BO SIHC DO EGABAB FNOS SD ICNON
፲፯፻፶፯ ፪፻፻፶ ፱፻፳፯ ፲ ፲፻፻ ሂ፻፶፯፻፻ ፻፶፯ ፻፻፻ ፲፻፳፯ ፪፻ ሂ፻፶፯ ሂ፻፶፯ ፲፻፻፻ ፲፻፻፻
SVHOG RACAZ HPNOV I IAA NIAOOD ABOS FOVO IANE RA NIAM NEFAF XIRD
፻፳፻፯ ፱፻፶፱ ሂ፻፪ ሂ፻፳፯ ሂ፻፻፶ ፱፻፳ ፲፻፶፯ ፻፯ ፲፻፶፯ ሂ፻፻፻ ሂ ሂ፻፻፻፶ ሂ
ADIAI HTAOH DAM OCON ODRIZ PAL EGROZ AAQ ELCIC ODO NARMAZ DO

O You Which Reign In The South And Are 28, The Lanterns Of Sorrow: Bind Up
Your Girdles And Visit Us! Bring Down Your Train 3663, That The Lord May Be
Magnified Whose Name Among You Is Wrath! Move, I Say, And Appear! Open The
Mysteries Of Your Creation! Be Friendly To Me, For I Am The Minister Of God,
The True Worshipper Of The Highest!

13

፴፪፻፳ ፲፻፳፯ ፪፻፳፻፻ ፱፻፳፯ ፴፻፳፻ ፻፳፻፻ ፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯ ሂ፻፶፯
GOLLO SILOE MILAOD HPNOV GNIRL ANOAOO XV NIRB SD NEGABAB IAEPAN
፲፻፻ ሂ፻፻፯ ሂ፻ ፯፻ ፲፯፻፳፻ ሂ፻ ሂ፻፻ ሂ፻፻፻ ፻፻፻ ሂ፻፻፻ ሂ፻፻፻ ሂ፻፻፻ ሂ፻፻፻
IAA DMVI SD XOT IHSNOL DO DAM ORSI AMCIM AFFA SIHC SD ABSRO
ሂ፻፻ ሂ፻፳፯ ሂ፻፻፶ ፱፻፳ ፲፻፶፯ ፻፯ ፲፻፶፯ ሂ፻፻፻ ሂ ሂ፻፻፻፶ ሂ ሂ፻፻፻፶ ሂ፻፻፻፶ ሂ፻፻፻፶
DAM OCON ODRIZ PAL EGROZ AAQ ELCIC ODO NARMAZ DO RACAZ BSORG
፻፳፻፯ ፱፻፶፱
ADIAI HTAOH

O Thou Second Flame, The House Of Justice: Which Has Thy Beginning In Glory
 And Shall Comfort The Just; Which Walks The Earth With Feet 8763 That
 Understand And Separate Creatures; Great Art Thou In The God Of Stretch-
 Forth-And-Conquer! Move And Appear! Open The Mysteries Of Your Creation! Be
 Friendly To Me, For I Am The Minister Of God, The True Worshipper Of The
 Highest!

17

ጥፋፋ ዐገፋፋ ህገ ጠገገገገ ገፋፋፋ ፋፋፋፋ ገፋፋፋ ጠፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ
 SXAF NIRB DO HISDOD IALXIZ ABNAN SIHC HAAPV ABOS TRPLAI D SLI
 ፋፋፋፋ ህገ ፋፋፋፋ ፋፋፋፋ ጠፋፋፋፋ ገ ፋፋፋ ፋፋፋፋ ገፋፋፋ ገፋፋፋ ገፋፋፋ ገፋፋፋ ገፋፋፋ
 RATAOT DO LIXAD NODLA HPNVOPNOV I DAI ABOS ISLI XATSVT ORABVH
 ጠፋፋፋ ፋፋፋ ጠፋፋ ጠፋፋፋ ጠፋፋ ገፋፋፋ ፋፋፋ ገፋፋፋ ህገ ፋፋፋፋ ህገ ፋፋፋፋ
 HTAOH DAM OCON ODRIZ PAL EGROZ AAQ ELCIC ODO NARMAZ DO RACAZ
 ፋፋፋፋ
 ADIAI

O Thou Third Flame Whose Wings Are Thorns To Stir Up Vexation, And Hast
 7336 Living Lamps Going Before Thee; Whose God Is Wrath In Anger; Gird Up
 They Loins And Harken! Move And Appear! Open The Mysteries Of Your
 Creation! Be Friendly To Me, For I Am The Minister Of God, The True Worshipper
 Of The Highest!

18

ፋፋፋፋ ፋፋፋ ፋፋፋፋ ህገ ፋፋ ፋፋፋፋ ፋፋፋፋ ህገ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ
 SRAOVO DAIO RIDSVB ODO SD SROILB GRPLAI DO TRIPLO ZLOACIM SLI
 ህገ ፋፋ ፋፋፋፋፋፋ ፋፋፋ ፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ
 DO ZOM HODNOLCA DMVI SD MASASAC STNIRB NARE DAIAL GMRASAC OGSOAC
 ፋፋፋ ገፋፋፋ ህገ ፋፋፋፋ ህገ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ ፋፋፋፋ
 AAQ ELCIC ODO NARMAZ DO RACAZ TBMAP TROILB OMOG PLOB SAFFOAM
 ፋፋፋፋ ፋፋፋፋፋፋ ፋፋፋ ጠፋፋ ጠፋፋፋ ፋፋፋ ገፋፋፋ
 DIAI HAHTAOH DAM OCON ODRIZ PAL EGROZ

O Thou Mighty Light And Burning Flame Of Comfort; Which Opens The Glory Of
 God To The Center Of The Earth; In Whom The Secrets Of Truth 6332 Have Their
 Abiding; Which Is Called In Thy Kingdom Joy, And Not To Be Measured: Be Thou
 A Window Of Comfort Unto Me! Move And Appear! Open The Mysteries Of Your
 Creation! Be Friendly To Me, For I Am The Minister Of God, The True Worshipper
 Of The Highest!

ገገገገ ሂገ ሀገገገገ ልገገገገ ሞገገገገገ ገገገገ ርገገ ጸገገ ሀገ ሞገገገገገ
 SISIF DO OGSOAC RINAAS ZLOACIM SIHC LIL FARP SD XAIRDAM
 ሄገገገገ ሂገገ ሂገገ ሂገገገገ ጸገገገገ ልገገገገገ ጸገገገገ ጸገገገገ ጸገገገገገ
 BROILB DOAI DAM NAIODA AMCIM MILVHOG ACNON ADIAI SARZIZLAB
 ሄገገገገገ ጸገገገገ ጸገገገገገ ሀገ ርገገገገገገ ጸገገገገገገ ገገገገ ጸገገገገገ ጸገገገገገ
 BIAATEN FCNON ASSAARBA SD LOSPIREP SAITFICVL SIHC ANOAOO ABOS
 ሂገገገገ ልገ ሞገገገገገገ ጸገገገገ ጸገገገገ ሞገገገገገ ሄገገ ሂገ ሀገገገገ
 DSARL MO ZLACIMG FCNON TAOOT ZOLPMAD THAHPDA BLIT DO OGSOAC
 ሂገገገገገ ገገገገገ ርገገገገ ጸገገገገገ ሞገገገገገ ሂገ ሀገገገገ ገገገገ ሄገገገ ሀገገገገ
 DROABAT IGSOAC LOHOG FADOAI PLVZROT DO OGIODI IRRAI BRAM OLGFO
 ሂገ ጸገገገገ ሂገገገ ሂገገገገ ሀገገ ልገገገገገ ርገገገገ ርገገገገ ሀገገገገገገ ሂገ ልገገገገገ
 DO ABSRO DIAP NLAON BLIT RIDSVB LBOIT LIOPRI SOETSIRHC DO RINAAS
 ርገገገገገገ ሀገገገገ ጸገ ሂገ ሞገገገገገ ገገገገገ ሀገገገ ሞገገገገ ጸገገገገ ገገገገገገ
 L SIPAOOB TSLRVQ AT DO XASPIREP IGMRAP BLIT PAZLE ANLIZ INMRDOD
 ርገገ ርገገ ርገገገ ሀገ ሀገገገ ሂገገገገ ሀገ ሀገገገገገገ ሂገ ሞገገገገ ሀገገገ ሀገገገ
 LOT LEL LBOIT Q CRIM NROTLOT GA SOETSIRHC DO PMIS OHCVO BMIN
 ሞገገገ ሞገገገገ ሂገገገገ ርገ ሀገገገገገገ ሂገ ሂገገገገ ሀገገገገ ሂገገገገገ
 PMISA HCARAP NROTLOT L GA SOETSIRHC DO NAIPSA OMZLID DBMOAP
 ጸገገገገገ ሀገገገገ ሀገገገ ሀገገገ ሀገገገ ሂገ ሂገገገ ርገገገገ ሂገ ርገገገገ ሞገገገገገ
 ARBSINOC SAOAMO SMAB TGRAF DO DANMS L ZLAFIF DO LAPDOD ZIZDROC
 ሀገገ ልገ ገገገገገ ሀገገገገገገ ሀገገገገ ሀገገገገ ሀገ ጸገገገ ሀገገገ ሀገገገገ ሀገገገገገ ሂገ
 BLIT MO IHCNV GNOMHTIVEL SEGBAT IMSAON BLT ACSRO GVNOT XOVAVA DO
 ሀገገገገገ ጸገ ሂገ ሞገገገገገ ሀገገገገገ ርገገገገገ ርገ ሞገገገገገ ርገገገገገ ሀገገ
 OAMIPAC AC DO PIXAMOXI OAMIPAC L ZIZDROC LO HAOOOM ELIGAB SRO
 ሞገገገገገ ልገገገገገገ ሀገገገገ ሂገ ሂገገገገገገ ጸገገገገ ጸገገገገ ገገ ሀገ ሀገገገገ ጸገገ
 XAIRDAM MIVOVCOLET TGROAF DO DNOLABABA ATNAIT I IP NELGAB AASO
 ሂገገገገ ሀገገገገገ ሂገ ሀገገገ ሀገገገገገ ሀገገገገገ ሀገገገገገ ሞገገገገ ሀገገገገ
 NAPRDA IROABAT RA ZAIRP IROABAT IRPAOBA AHCORO XAIRDAO VZROT
 ልገገገ ሀገገገ ሀገገገ ሀገገገ ሂገ ሀገገገገገ ሂገ ሀገገገገ ሀገገገገ ሀገገገገ ሀገገገ
 RIPIR GNITQ BSAVQ DO ROIZAOC RA IZAIRP MACLOI XIBOD AT SROC
 ሂገ ሀገገገገ ሀገገገ ሀገገገገ ሀገገገገ ሀገገገገ ሀገገገገ ሀገገገገ ሀገገገገ ሀገገገገ
 DO RACAZ VZROT TPMROC EAEVOA GRCAC RAZDRP DO LMV ROCAGAS TXOAP
 ሂገ ጸገገ ሀገገገገ ሂገ ሂገገገገ ሀገ ሀገገገገ ሀገ ሀገገገገ ሀገገገገ ሀገገገገ ሀገገገገ
 DO AAQ ELCIC ODO NATLAB AIT SAZRVS SD ANOMTVB ISBIS TPSA NARMAZ
 ሂገገገገገ ሀገገገገ ሀገገገገ
 DAMANDAI ILPALP AMZAZO

You Heaven Which Dwell (in) The First Ayre Are Mighty In The Parts Of The Earth, And Execute The Judgment Of The Highest! Unto You It Is Said: Behold The Face Of Your God, The Beginning Of Comfort; Whose Eyes Are The Brightness Of The Heavens. Which Provided You For The Government Of The Earth And Her Unspeakable Variety, Furnishing You A Powerful Understanding To Dispose All Things According To The Providence Of Him That Sits On The Holy Throne, And Rose Up In The Beginning Saying: The Earth Let Her Be Governed By Her Parts, And Let There Be Division In Her, That The Glory Of Her May Be Always Drunken And Vexed In Itself. The Course Of Her, Let It Run With The Heavens, And As A Handmaid Let Her Serve Them. One Season Let It Confound Another, And Let There Be No Creatures Upon Her Or In Her The Same. All Her Members Let Them Differ In Their Qualities And Let There Be No One Creature Equal With Another. The Reasoning Creatures Of Earth Let Them Vex And Weed Out One Another, And The Dwelling Places Let Them Forget Their Names. The Work Of Man And His Pomp, Let Them Be Defaced. The Buildings Of Him, Let Them Become Caves For The Beasts Of The Field. Confound The Understanding Of Her With Darkness.

For Why? It Repenteth Me I Made Man. One While Let Her Be Known, And Another Time A Stranger. Because She Is The Bed Of An Harlot And The Dwelling Place Of Him That Is Fallen. You Heavens Arise! The Lower Heavens Underneath You, Let Them Serve You! Govern Those That Govern; Cast Down Such As Fall; Bring Forth With Those That Increase, And Destroy The Rotten! No Place Let It Remain In One Number: Add And Diminish Until The Stars Be Numbered. Arise, Move And Appear Before The Covenant Of His Mouth, Which He Has Sworn Unto Us In His Justice! Open The Mysteries Of Your Creation, And Make Us Partakers Of Undeiled Knowledge!

How does “Enochian Gematria” in the “Aurum Solis” system work?

Let’s take an example phrase from the “keys” or “calls” and, for simplicity’s sake, let’s use one that repeats often (in this context, we will write the “Angelic script” and its phonetic transliteration “widdershins” - from left-to-right):

𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀 𐤁𐤁𐤁𐤁 𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀
𐤀𐤁𐤁𐤀 𐤀𐤁𐤁𐤀

ZACAR OD ZAMRAN! ODO CICLE QAA! ZORGE, LAP ZIRDO NOCO MAD, HOATH IAIDA!

“Move And Appear! Open The Mysteries Of Your Creation! Be Friendly To Me, For I Am The Minister Of God, The True Worshipper Of The Highest!”

To encipher this phrase into gematria, we must begin by assigning each letter a number - as in the Aurum Solis method - and then add up each letter’s number per word to establish the phrase’s overall gematria value.

In this case, the following results:

(184) (74) (240)! (144) (40) (52)! (250), (56) (253) (192) (18), (396) (34)!

Thus, we learn that ZACAR (meaning “Move”) = 184, that OD (meaning “And”) = 74, that ZAMRAN (meaning Appear) = 240, and so on. We can further adumbrate that the phrase, “Move And Appear!” has a combined gematria value of $184 + 74 + 240 = 498$.

In keeping with the formatting of Aleister Crowley’s “Sefer Sefirot” in his work, “777,” what here follows is a list of all (or nearly all) the individual Enochian terms used in the “keys” and “calls” - given as Enochian script (in the left-hand column, reading “right proper” from right-to-left) and phonetic transliterations (in the right-hand column, reading “widdershins” from left-to-right) - listed by order of their gematria sum values (given in the middle-column between them) according to the “Aurum Solis” cipher.

Ideally, a future student of these works with more time than I have maybe able to compile a complete interlinear transcript of all 19 “keys” or “calls,” including the Enochian script (right-to-left), its phonetic transliterations (right-to-left), its English translations (left-to-right) and - perhaps most importantly - the gematria of each word and the sums of these for each sentence of text. Assuredly the materials to provide a student, willing to take the time to calculate them all, sufficient tools to accomplish such a task are herein provided; the only factor preventing me from completing this aspect of this work myself here and now is time. So, for now, I commit to posterity this work that includes all these pieces, though separate: the Enochian script, the transliterations, the translations and the gematria of each word.

Here follows the “Aurum Solis” collection of some 666 Enochian words, ordered by their gematria sums:

Aurum Solis

Ɔ	=	0004	=	D
7	=	0005	=	F
7B	=	0008	=	CA
E	=	0008	=	M
67	=	0009	=	AG
V7B	=	0009	=	CAB
76	=	0009	=	GA
7	=	0009	=	I
67V	=	0010	=	BAG
7Ɔ	=	0010	=	DA
76	=	0010	=	GE
77	=	0011	=	AF
7Ɔ	=	0011	=	DE
77	=	0012	=	EF
7V7B	=	0015	=	CABA
E7	=	0015	=	EM
77V	=	0016	=	BIA
V77V	=	0017	=	BIAB
Ɔ7E	=	0018	=	MAD
776	=	0019	=	GAH
Ɔ77	=	0019	=	IAD
776	=	0020	=	GEH
7	=	0020	=	L
777	=	0021	=	AAI
7B7	=	0021	=	ICH
77V7	=	0022	=	ABAI
E7B7	=	0022	=	ACAM
7777	=	0022	=	AFFA
767V7V	=	0024	=	BABAGE
7767V	=	0026	=	BAGIE
777B	=	0026	=	CIAI
77	=	0026	=	LA
77	=	0027	=	EL
7E77	=	0028	=	AMMA
77B	=	0028	=	CLA
7	=	0030	=	P
E77E	=	0031	=	MAIM
E77E	=	0031	=	MIAM

ᲘᲚᲙ	=	0033	=	HAMI
ᲙᲚᲘ	=	0033	=	LEA
ᲙᲚᲗᲚᲚ	=	0033	=	MICMA
ᲙᲚᲗᲚᲗ	=	0034	=	IAIDA
ᲙᲗ	=	0034	=	PD
ᲙᲚᲗᲚᲙ	=	0036	=	BIAL
ᲗᲘᲗᲙᲙ	=	0037	=	BAGLE
ᲙᲘᲙᲙ	=	0038	=	AALA
ᲗᲘᲗ	=	0038	=	ILI
ᲗᲙᲘᲚ	=	0039	=	ALDI
ᲗᲗ	=	0039	=	IP
ᲗᲗ	=	0039	=	PI
ᲗᲘᲗᲗᲗᲗ	=	0040	=	CICLE
Კ	=	0040	=	Q
ᲗᲙᲙᲙᲙᲙᲗ	=	0041	=	EFAFAFE
ᲙᲚᲙᲙᲙᲙ	=	0043	=	BAHAL
ᲗᲗᲘᲙᲙ	=	0043	=	BALIE
ᲙᲗᲙᲗ	=	0044	=	PAEB
ᲙᲙᲗᲙᲘᲘ	=	0045	=	LAIAD
ᲗᲘᲗᲗᲙᲙᲙᲙ	=	0046	=	BAGILE
ᲘᲗᲘ	=	0047	=	LEL
ᲘᲗᲘ	=	0049	=	LIL
ᲙᲗᲙᲗ	=	0049	=	PAID
ᲙᲚᲗᲚᲗᲗ	=	0050	=	IAIAL
ᲙᲙᲗᲗᲘᲗᲗᲙᲙ	=	0052	=	BIGLIAD
ᲚᲗᲙᲚᲚ	=	0052	=	MAPM
ᲙᲙᲙ	=	0052	=	QAA
ᲚᲙᲗᲗ	=	0053	=	IPAM
ᲗᲗᲙᲙᲙᲙ	=	0056	=	FAAIP
ᲗᲙᲘ	=	0056	=	LAP
ᲙᲗᲙ	=	0059	=	NI
ᲙᲘᲗᲗ	=	0063	=	PILD
ᲙᲗᲙ	=	0065	=	NIA
ᲙᲙᲙᲙ	=	0066	=	ADNA
ᲙᲗᲗᲙᲙ	=	0067	=	BIEN
ᲗᲙᲗᲙᲙᲗᲗ	=	0067	=	PIDIAI
ᲗᲙᲙᲗ	=	0068	=	GNAI
ᲙᲚᲗᲙ	=	0068	=	NIMB
ᲙᲙᲙᲗᲗᲗᲗᲗᲗ	=	0070	=	GIGIPAH
Თ	=	0070	=	O

ᐱᑦᑕᓴᓂᐳ	=	0071	=	APILA
ᐳᐅᔭᑎ	=	0071	=	EMNA
Vᓵ	=	0071	=	OB
ᑎᐳᐅᑎ	=	0072	=	ENAI
ᐙᐳᐃᐳᐳᑎ	=	0072	=	QAADAH
ᐅᑎᐳᐳᐳ	=	0073	=	FAFEN
ᐅᑎᐳᔭ	=	0073	=	MAIN
ᐅᑎᓆᐳVᐳV	=	0074	=	BABAGEN
ᐃᓵ	=	0074	=	OD
ᓂᑕᐳᑖᑎᔭ	=	0075	=	MICALP
ᓂᐳᑎᓂ	=	0075	=	PIAP
ᐙᐳᑦᑕᓴᓂ	=	0075	=	PILAH
ᑦᑕᓴᓂᐃᐳᑎ	=	0078	=	IADPIL
ᔭᓵ	=	0078	=	OM
ᑎᑎᐳᔭᓴᓴᓂᐳᑖ	=	0079	=	CAPIMAI I
ᓵᑎ	=	0079	=	IO
ᐅᑎᑦᑕ	=	0079	=	LIN
ᓵᑎᐃ	=	0081	=	DEO
ᑦᑕᐳᑕᔭᑎᑦᑕ	=	0083	=	LIMLAL
ᑦᑕᐅᐳᑖ	=	0084	=	CANAL
ᐙᐳᐅᐃᐳᑎ	=	0085	=	IADNAH
ᓂᑎᑎᓆᐳᓂ	=	0085	=	PAGEIP
ᔭᐳ	=	0086	=	AR
ᔭᓴᔭ	=	0086	=	MOM
ᐅᑎᑦᑕᓆᐳV	=	0087	=	BAGLEN
ᐱᑦᑕᓴᐅᑖ	=	0087	=	CNILA
ᔭᓵᐙ	=	0088	=	HOM
ᐃᓵᔭᑎ	=	0089	=	EMOD
ᐃᓵᐳᑎ	=	0089	=	IAOD
ᐃᐳᑎᓵ	=	0089	=	OIAD
ᐙᓂᐃᐳᑎᓂ	=	0089	=	PIADPH
ᑎᑦᑕᐳᔭᓴᓴᓂᐳᑖ	=	0090	=	CAPIMALI I
ᓵᑦᑕ	=	0090	=	LO
ᑦᑕᓵ	=	0090	=	OL
ᔭᐙᑖ	=	0092	=	CHR
ᓆᔭᑖᐳᑖ	=	0093	=	CACRG
ᓆᔭᐳᐃ	=	0093	=	DARG
ᐃᐳᔭᐳᐅᐃᐳᑎ	=	0093	=	IADNAMAD
ᐳᐃᓆᔭV	=	0094	=	BRGDA
ᔭᔭᑎ	=	0095	=	ERM

ᐃᐃᐃᐃ	=	0095	=	GRAA
Vᐃᐃᐃ	=	0095	=	MARB
ᐃᐃᐃᐃᐃᐃᐃ	=	0096	=	CACACOM
ᐃᐃᐃ	=	0097	=	EOL
ᐃᐃᐃ	=	0097	=	LOE
ᐃᐃᐃ	=	0097	=	MIR
ᐃᐃᐃᐃᐃ	=	0098	=	GOHIA
ᐃᐃᐃᐃᐃ	=	0098	=	IOIAD
ᐃᐃᐃᐃᐃ	=	0098	=	MAMAO
ᐃᐃᐃᐃᐃᐃ	=	0098	=	NIDALI
ᐃᐃᐃ	=	0098	=	RII
ᐃᐃᐃᐃᐃ	=	0099	=	AAIOM
ᐃᐃᐃᐃᐃᐃ	=	0099	=	CACARG
ᐃᐃᐃᐃᐃ	=	0099	=	DAXIL
ᐃᐃᐃᐃ	=	0099	=	HARG
ᐃᐃᐃᐃ	=	0099	=	MIRC
ᐃᐃᐃᐃᐃᐃ	=	0100	=	CARBAF
ᐃᐃᐃᐃᐃᐃ	=	0100	=	IAODAF
ᐃᐃ	=	0100	=	OP
ᐃᐃᐃᐃᐃᐃ	=	0101	=	CIAOFI
ᐃᐃᐃᐃ	=	0102	=	QAAN
ᐃᐃᐃ	=	0102	=	ZAA
ᐃᐃᐃᐃᐃᐃᐃ	=	0103	=	IAIADIX
ᐃᐃᐃ	=	0103	=	ZID
ᐃᐃᐃᐃᐃᐃ	=	0104	=	ABRAMG
ᐃᐃᐃᐃᐃᐃᐃ	=	0104	=	COMMAH
ᐃᐃᐃ	=	0104	=	MAZ
ᐃᐃᐃᐃ	=	0105	=	OALI
ᐃᐃᐃ	=	0107	=	ZIM
ᐃᐃᐃᐃᐃᐃᐃ	=	0108	=	NAPEAI
ᐃᐃᐃᐃᐃᐃ	=	0110	=	GOHEL
ᐃᐃᐃᐃᐃᐃ	=	0110	=	IOLCI
ᐃᐃ	=	0110	=	OQ
ᐃᐃᐃᐃᐃᐃ	=	0111	=	MABZA
ᐃᐃᐃᐃᐃᐃᐃ	=	0111	=	MADRID
ᐃᐃᐃᐃᐃ	=	0112	=	ALAR
ᐃᐃᐃᐃᐃᐃ	=	0112	=	BAZME
ᐃᐃᐃᐃᐃᐃ	=	0112	=	ZACAM
ᐃᐃᐃᐃᐃᐃᐃᐃ	=	0113	=	ABRAMIG
ᐃᐃᐃ	=	0113	=	DIV

ⲡⲱⲟⲩ	=	0113	=	NANBA
ⲃⲉⲗ	=	0113	=	VGEG
ⲈⲗⲃⲈⲗ	=	0115	=	IOLCAM
ⲃⲗⲈⲗⲈ	=	0115	=	LARAG
ⲗⲈⲙⲗⲙ	=	0115	=	PLAPLI
Ⲉⲗⲙ	=	0116	=	PAR
ⲈⲗⲈⲗⲗ	=	0117	=	DOALIM
ⲈⲗⲈⲙ	=	0117	=	HOMIL
ⲡⲈⲗⲃ	=	0118	=	CALZ
ⲗⲗⲈⲗⲈⲗⲃ	=	0118	=	CAMELIAX
ⲗⲱⲈⲗⲗⲙ	=	0119	=	PAOMBD
Ⲉⲗⲙ	=	0119	=	PIR
Ⲉⲗⲃⲗ	=	0119	=	VCIM
ⲗⲈⲗⲗⲈⲗ	=	0120	=	BLIARD
ⲗⲃⲙ	=	0120	=	PRGE
Ⲉⲗ	=	0120	=	VL
ⲙⲈⲗⲱ	=	0121	=	BOLP
ⲙⲗⲈⲃ	=	0121	=	CRIP
ⲗⲗⲗⲃ	=	0121	=	GIVI
ⲈⲗⲃⲈⲗ	=	0121	=	IRGIL
ⲗⲈⲗⲗ	=	0121	=	IVMD
ⲗⲗⲈⲙ	=	0121	=	PRAF
ⲙⲱⲗⲗⲗ	=	0123	=	AVABH
ⲟⲗⲟⲗⲈ	=	0123	=	MANIN
ⲗⲈⲗⲗⲃⲗⲈ	=	0124	=	MICAOLI
ⲈⲗⲈⲙ	=	0124	=	PARM
ⲗⲗⲈⲗⲡ	=	0125	=	ZIMII
ⲡⲗⲙ	=	0126	=	PAZ
ⲗⲗⲗⲈⲗⲙⲃⲗ	=	0127	=	ACHILDAO
Ⲉⲗⲗ	=	0128	=	VML
ⲙⲗⲡ	=	0129	=	ZIP
ⲗⲗⲗⲈⲡ	=	0129	=	ZLIDA
ⲱⲗⲟⲩ	=	0130	=	NOIB
ⲗⲗ	=	0130	=	OX
ⲙⲗⲙ	=	0130	=	POP
ⲗⲗⲈⲗⲙⲃⲗ	=	0131	=	CAPIMAO
ⲗⲗⲗⲗⲈⲗ	=	0131	=	VMADEA
ⲈⲗⲈⲙⲗ	=	0132	=	ALLAR
ⲗⲃⲗⲈⲗ	=	0133	=	DLVGA
Ⲉⲗⲗⲗⲙ	=	0133	=	PEOAL

ᐱᐱᐱᐱᐱ	=	0134	=	DODPAL
ᐱᐱᐱᐱᐱ	=	0134	=	MOLAP
ᐱᐱᐱᐱᐱ	=	0134	=	PARACH
ᐱᐱᐱᐱᐱ	=	0135	=	FIFALZ
ᐱᐱᐱ	=	0136	=	ARN
ᐱᐱᐱᐱᐱ	=	0136	=	PARMGI
ᐱᐱᐱ	=	0137	=	VEP
ᐱᐱᐱᐱᐱ	=	0138	=	COLLAL
ᐱᐱᐱᐱᐱ	=	0138	=	FABOAN
ᐱᐱᐱᐱᐱ	=	0138	=	GMICALZ
ᐱᐱᐱᐱ	=	0140	=	BRIN
ᐱᐱᐱᐱ	=	0140	=	DAOX
ᐱᐱᐱᐱ	=	0140	=	HOLQ
ᐱᐱᐱᐱ	=	0140	=	NOMIG
ᐱᐱᐱ	=	0140	=	OLN
ᐱᐱᐱᐱᐱ	=	0140	=	POAMAL
ᐱᐱᐱᐱ	=	0143	=	ERAN
ᐱᐱᐱᐱᐱ	=	0143	=	PERAL
ᐱᐱᐱᐱᐱ	=	0144	=	DOBIX
ᐱᐱᐱ	=	0144	=	ODO
ᐱᐱᐱᐱ	=	0144	=	OMAX
ᐱᐱᐱᐱᐱᐱ	=	0145	=	ADOIAN
ᐱᐱᐱᐱᐱᐱᐱ	=	0145	=	ANANAEL
ᐱᐱᐱᐱᐱᐱᐱ	=	0146	=	NANAEEL
ᐱᐱᐱ	=	0146	=	NAZ
ᐱᐱᐱᐱᐱᐱ	=	0147	=	GIXIAX
ᐱᐱᐱᐱᐱᐱ	=	0147	=	HOMIN
ᐱᐱᐱᐱᐱᐱ	=	0147	=	MALPRG
ᐱᐱᐱᐱᐱ	=	0147	=	PVIM
ᐱᐱᐱᐱ	=	0147	=	ZEN
ᐱᐱᐱᐱᐱᐱ	=	0148	=	ECRIN
ᐱᐱᐱᐱᐱᐱᐱ	=	0148	=	IAIDON
ᐱᐱᐱᐱᐱᐱᐱ	=	0148	=	IALPRG
ᐱᐱᐱᐱᐱᐱᐱ	=	0148	=	LVCAL
ᐱᐱᐱᐱᐱᐱᐱᐱ	=	0149	=	DRILPA
ᐱᐱᐱᐱᐱᐱᐱ	=	0150	=	ALDON
ᐱᐱᐱᐱᐱᐱᐱ	=	0150	=	COMO
ᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱ	=	0150	=	IDLVGAM
ᐱᐱᐱᐱᐱᐱᐱ	=	0150	=	OADO
ᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱ	=	0150	=	OUGE

ᐱᑦᑎᐱᐱᐱ	=	0152	=	AMIPZI
ᐱᐱᐱᐱᐱ	=	0152	=	DRILPI
ᐱᐱᐱᐱᐱ	=	0152	=	LVIAHE
ᐱᐱᐱᐱᐱ	=	0152	=	VPAAH
ᐱᐱᐱᐱ	=	0153	=	DRIX
ᐱᐱᐱᐱᐱ	=	0153	=	ELZAP
ᐱᐱᐱᐱ	=	0153	=	GOHO
ᐱᐱᐱᐱᐱᐱ	=	0154	=	BABALON
ᐱᐱᐱᐱᐱᐱ	=	0155	=	MIINOAG
ᐱᐱᐱᐱᐱ	=	0155	=	OLANI
ᐱᐱᐱᐱᐱᐱᐱ	=	0155	=	PIBLIAR
ᐱᐱᐱ	=	0156	=	ZAX
ᐱᐱᐱᐱ	=	0156	=	ZIEN
ᐱᐱᐱᐱᐱᐱ	=	0159	=	AMIRAN
ᐱᐱᐱ	=	0159	=	IOR
ᐱᐱᐱᐱ	=	0159	=	OHIO
ᐱᐱᐱᐱᐱ	=	0159	=	POILP
ᐱᐱ	=	0160	=	VX
ᐱᐱᐱᐱᐱᐱᐱᐱᐱ	=	0161	=	PARACLEDA
ᐱᐱᐱᐱᐱᐱᐱᐱᐱ	=	0161	=	PARADIAL
ᐱᐱᐱᐱᐱ	=	0162	=	AZIEN
ᐱᐱᐱᐱᐱ	=	0162	=	LRING
ᐱᐱᐱᐱ	=	0162	=	VNIG
ᐱᐱᐱᐱᐱᐱ	=	0163	=	OBLOC
ᐱᐱᐱᐱᐱᐱᐱᐱᐱ	=	0164	=	ABABALOND
ᐱᐱᐱᐱᐱ	=	0165	=	CORMF
ᐱᐱᐱᐱᐱᐱ	=	0165	=	IDOIGO
ᐱᐱᐱᐱᐱᐱᐱᐱᐱ	=	0165	=	MALPIRGI
ᐱᐱᐱᐱᐱ	=	0167	=	OBZA
ᐱᐱᐱ	=	0168	=	MOZ
ᐱᐱᐱᐱ	=	0168	=	ZOM
ᐱᐱᐱᐱᐱᐱ	=	0171	=	CORMFA
ᐱᐱᐱᐱᐱᐱ	=	0171	=	VNCHI
ᐱᐱᐱᐱᐱᐱᐱ	=	0172	=	ADROCH
ᐱᐱᐱᐱᐱᐱ	=	0172	=	PAAOX
ᐱᐱᐱᐱᐱᐱ	=	0172	=	QAAON
ᐱᐱᐱᐱᐱᐱ	=	0172	=	QVAAL
ᐱᐱᐱᐱᐱᐱᐱᐱ	=	0172	=	VMPLIF
ᐱᐱᐱᐱᐱᐱ	=	0172	=	ZOMD
ᐱᐱᐱᐱᐱᐱᐱ	=	0173	=	EOPHAN

፩፻፳፱	=	0197	=	HVBAR
፲፲፲፯	=	0197	=	OXEX
፪፲፫፱፻፩	=	0197	=	RACLIR
ቀይ፲ቀ	=	0197	=	ZIMZ
ቀ፲ቀ፻፯	=	0199	=	DAZIZ
፻፱፬፩፯	=	0200	=	DORPHA
፪፯፬	=	0200	=	NOR
፯፲፯	=	0200	=	OXO
፲	=	0200	=	S
፯፪ቀር፲፯	=	0201	=	DILZMO
፲፩፱፻፯፻፻	=	0202	=	ABOAPRI
፱፱፬፬	=	0202	=	NONCP
፱፬፯፬	=	0203	=	GNONP
፬፯፱፯	=	0203	=	GOHON
፯፱፱	=	0203	=	PVGO
፲፯	=	0204	=	DS
፯ቀር፻፱፲፪	=	0205	=	MICALZO
ቀር፯፻፱፲፪	=	0205	=	MICAOLZ
፯፲፬፻፯	=	0205	=	OANIO
፪፲፱፬፻፱	=	0205	=	PANPIR
፱፪፻ቀር፻፻	=	0206	=	BALZARG
፪፻፯፬	=	0206	=	NOAR
፲፲	=	0207	=	ES
፲፱ር፯፪	=	0207	=	MOLVI
፯ቀር፻፱፲፪፱	=	0208	=	GMICALZO
፬፲ቀር፲፱	=	0208	=	PILZIN
፬፲፲፱፻	=	0208	=	QVIIN
፪፲፱፲፪	=	0208	=	RIPIR
፬፲፻፯፯፯	=	0209	=	DOOAIN
፱፲፱	=	0209	=	VIV
፪፻፯ር፲ቀ	=	0209	=	ZILDAR
፪፲፲፱፻፲ቀ፻	=	0210	=	AZIAGIER
፪፲፲፬፲፱	=	0210	=	CINXIR
፲፲፯	=	0211	=	DES
፱፻፩፱ር፯	=	0213	=	DLVGAR
፱፬፯ቀ	=	0213	=	ZONG
፲፪፻፻	=	0215	=	BAMS
፪፯፱ር፻፲	=	0215	=	IALPOR
ቀ፻፲፩፱	=	0215	=	PRIAZ
፪፻፪፻፱፪፲	=	0217	=	IMVAMAR

ᐱᐱᐅᐅᐅ	=	0217	=	PAPBOR
ᐱᐱᐅᐅᐅ	=	0218	=	IRPOIL
ᐱᐱᐅᐅᐅ	=	0218	=	ZONAC
ᐱᐱᐅᐅᐅ	=	0220	=	DORPHAL
ᐱᐱᐅᐅᐅ	=	0220	=	GOHVLIM
ᐱᐱᐅᐅᐅ	=	0220	=	VVL
ᐱᐱᐅᐅᐅ	=	0221	=	CHIS
ᐱᐱᐅᐅᐅ	=	0221	=	NOBLOH
ᐱᐱᐅᐅᐅ	=	0222	=	LONCHO
ᐱᐱᐅᐅᐅ	=	0224	=	DROLN
ᐱᐱᐅᐅᐅ	=	0224	=	LONDOH
ᐱᐱᐅᐅᐅ	=	0224	=	PRIAZI
ᐱᐱᐅᐅᐅ	=	0225	=	DODRMNI
ᐱᐱᐅᐅᐅ	=	0225	=	PARADIZ
ᐱᐱᐅᐅᐅ	=	0226	=	LAS
ᐱᐱᐅᐅᐅ	=	0226	=	OZIEN
ᐱᐱᐅᐅᐅ	=	0226	=	QVAR
ᐱᐱᐅᐅᐅ	=	0227	=	BASGIM
ᐱᐱᐅᐅᐅ	=	0228	=	DAMPLOZ
ᐱᐱᐅᐅᐅ	=	0229	=	ILS
ᐱᐱᐅᐅᐅ	=	0229	=	MAASI
ᐱᐱᐅᐅᐅ	=	0229	=	VIRQ
ᐱᐱᐅᐅᐅ	=	0229	=	ZIRN
ᐱᐱᐅᐅᐅ	=	0230	=	ROR
ᐱᐱᐅᐅᐅ	=	0230	=	SALD
ᐱᐱᐅᐅᐅ	=	0232	=	ACLONDOH
ᐱᐱᐅᐅᐅ	=	0232	=	OROCH
ᐱᐱᐅᐅᐅ	=	0232	=	VAOAN
ᐱᐱᐅᐅᐅ	=	0234	=	GCHISGE
ᐱᐱᐅᐅᐅ	=	0234	=	MOOOAH
ᐱᐱᐅᐅᐅ	=	0235	=	OADRIAX
ᐱᐱᐅᐅᐅ	=	0236	=	ASP
ᐱᐱᐅᐅᐅ	=	0236	=	CNOQOD
ᐱᐱᐅᐅᐅ	=	0236	=	VRAN
ᐱᐱᐅᐅᐅ	=	0237	=	VRELP
ᐱᐱᐅᐅᐅ	=	0238	=	ILSI
ᐱᐱᐅᐅᐅ	=	0238	=	OROCHA
ᐱᐱᐅᐅᐅ	=	0239	=	LASDI
ᐱᐱᐅᐅᐅ	=	0239	=	ORRI
ᐱᐱᐅᐅᐅ	=	0239	=	RIOR

ᐱᐱᐱᐱᐱ	=	0240	=	CICLES
ᐱᐱᐱᐱᐱᐱ	=	0240	=	ICHISGE
ᐱᐱᐱᐱᐱ	=	0240	=	PVRGEL
ᐱᐱᐱᐱᐱᐱ	=	0240	=	VLCININ
ᐱᐱᐱᐱᐱ	=	0240	=	ZAMRAN
ᐱᐱᐱᐱ	=	0245	=	OVOF
ᐱᐱᐱᐱᐱᐱᐱ	=	0246	=	BLIORAX
ᐱᐱᐱᐱᐱ	=	0246	=	OLORA
ᐱᐱᐱᐱ	=	0247	=	SIMP
ᐱᐱᐱᐱᐱ	=	0250	=	OZOL
ᐱᐱᐱᐱᐱ	=	0250	=	ZORGE
ᐱᐱᐱᐱᐱᐱᐱᐱ	=	0252	=	IXOMAXIP
ᐱᐱᐱᐱᐱ	=	0252	=	OVCHO
ᐱᐱᐱᐱᐱ	=	0252	=	SAPAH
ᐱᐱᐱᐱᐱ	=	0253	=	ASIMP
ᐱᐱᐱᐱᐱ	=	0253	=	ZIRDO
ᐱᐱᐱᐱ	=	0256	=	VAVN
ᐱᐱᐱᐱᐱ	=	0257	=	ZIROM
ᐱᐱᐱᐱᐱᐱ	=	0260	=	CORMPO
ᐱᐱᐱᐱᐱᐱ	=	0260	=	LOHOLO
ᐱᐱᐱᐱᐱ	=	0260	=	OLLOR
ᐱᐱᐱᐱᐱᐱ	=	0260	=	VONPH
ᐱᐱᐱᐱᐱᐱ	=	0262	=	IPAMIS
ᐱᐱᐱᐱᐱᐱᐱ	=	0263	=	OHORELA
ᐱᐱᐱᐱᐱᐱ	=	0264	=	OZAZM
ᐱᐱᐱᐱᐱ	=	0267	=	EDNAS
ᐱᐱᐱᐱᐱᐱᐱ	=	0267	=	HVBARO
ᐱᐱᐱᐱᐱ	=	0268	=	INSI
ᐱᐱᐱᐱᐱ	=	0268	=	NIIS
ᐱᐱᐱᐱᐱᐱ	=	0268	=	SMNAD
ᐱᐱᐱᐱ	=	0270	=	OS
ᐱᐱᐱᐱᐱᐱᐱ	=	0270	=	OZAZMA
ᐱᐱᐱᐱᐱ	=	0271	=	FAXS
ᐱᐱᐱᐱᐱᐱᐱ	=	0272	=	OOAONA
ᐱᐱᐱᐱᐱᐱᐱ	=	0275	=	IPVRAN
ᐱᐱᐱᐱᐱᐱᐱᐱᐱ	=	0275	=	OMICAOLZ
ᐱᐱᐱᐱᐱᐱᐱ	=	0277	=	BLANS
ᐱᐱᐱᐱᐱᐱ	=	0277	=	SOBA
ᐱᐱᐱᐱᐱᐱ	=	0278	=	DODS
ᐱᐱᐱᐱᐱᐱᐱ	=	0279	=	ZIROP

ፊጊሊቅ	=	0281	=	CAOSG
ፕጊቅፊቅ	=	0281	=	COCASB
ጳጊሊ	=	0285	=	GOSAA
ፎፕፊጊ	=	0285	=	SOBAM
ፊጊሊ	=	0286	=	DOSIG
ጳጊሊ	=	0286	=	LANSH
ፎፕፕፊጊ	=	0286	=	VABZIR
ፊጊሊቅ	=	0287	=	CAOSAG
ጳፊሊቅ	=	0287	=	CAOSGA
ጊፎፊፊ	=	0287	=	NOROMI
ፊጊፎፊ	=	0288	=	CORAXO
ፊፊፊፊፊፊ	=	0289	=	LILONON
ፊፊፊፊ	=	0289	=	ZIZOP
ጊፊሊቅ	=	0290	=	CAOSGI
ፕፆፊ	=	0290	=	NORZ
ፎፕፕፆፊ	=	0290	=	PRDZAR
ፊፕፆፊፊ	=	0290	=	SALMAN
ፎፕፕፊጊ	=	0291	=	ASOBAM
ፊፊፊፊፊፊ	=	0291	=	AVAVAGO
ፊጊጊፊ	=	0291	=	CHISO
ጊፕፆፊ	=	0291	=	DARBS
ፕፕፕፕፊ	=	0291	=	IZAZAZ
ጊፕፆ	=	0292	=	RAAS
ጊፊጊሊቅ	=	0296	=	CAOSAGI
ፊፊፊፊ	=	0296	=	VOOAN
ጳጊጊፊፊ	=	0297	=	DODSIH
ፎፕፆፊ	=	0297	=	GRSAM
ፊፊፊፊፊ	=	0298	=	IZIZOP
ጊፕፕፆፊፆፆ	=	0300	=	MAOFFAS
ፊ	=	0300	=	T
ፊፊፊፊፆፆ	=	0301	=	ASPIAN
ጊጊፕፆ	=	0301	=	RAASI
ፎፆፕፆፆ	=	0302	=	CASARM
ፊፊፆፆ	=	0305	=	BVSD
ፆፆፆፕፆፆ	=	0305	=	CASARMG
ጊፊፊፊ	=	0306	=	EOLIS
ፊፊ	=	0306	=	TA
ጊፆፆፆፆ	=	0307	=	ZVMVI
ፕፆፆፕፆፆፆ	=	0308	=	CASARMA
ፊፕፆፆፆ	=	0310	=	LRASD

ᑭᐱᓃᔪᕐᑭ	=	0311	=	CASARMI
ᕐᑭᕐᑭᕐᑭ	=	0311	=	ZCHIS
ᐱᓃᔪ	=	0313	=	ADGT
Vᕐᓃᐱ	=	0315	=	MATB
ᓃᕐᑭ	=	0315	=	TIA
ᓃᕐᓃᓃᕐᑭ	=	0316	=	ZNRZA
ᓃᕐᑭᕐᑭᕐᑭ	=	0317	=	COMSELH
ᕐᑭᕐᑭ	=	0320	=	VLS
ᕐᑭᕐᑭᕐᑭ	=	0321	=	LOLCIS
Vᕐᓃᕐᑭᕐᑭ	=	0321	=	QCOCASB
Vᕐᑭ	=	0321	=	TLB
ᓃᓃᕐᑭᕐᑭᕐᑭ	=	0322	=	OOANOAN
ᓃᕐᑭᕐᑭᕐᑭ	=	0323	=	GOHOLOR
ᕐᑭᕐᑭᕐᑭ	=	0324	=	LVSD
ᕐᑭᕐᑭᕐᑭᕐᑭ	=	0325	=	CROODZI
ᓃᓃᕐᑭ	=	0325	=	SONF
ᕐᓃᕐᑭ	=	0326	=	NOAS
ᕐᑭᓃV	=	0327	=	BALT
ᓃᕐᑭᕐᑭᕐᑭ	=	0327	=	COAZIOR
ᓃᓃᓃᕐᑭᕐᑭᕐᑭᕐᑭ =	0327	=	MADZILODARP	
ᓃᓃᓃVᓃᕐᑭ	=	0327	=	TABAAM
ᕐᑭ	=	0329	=	LIT
ᕐᑭᕐᑭᕐᑭ	=	0329	=	PLOSI
ᓃᕐᑭᕐᑭᕐᑭ	=	0329	=	VOVIN
ᓃᓃᕐᑭᕐᑭᕐᑭ	=	0330	=	LVSDA
Vᕐᑭᕐᑭ	=	0330	=	TILB
ᕐᑭᕐᑭᕐᑭᕐᑭ	=	0330	=	VONPHO
ᕐᑭᕐᑭᕐᑭᕐᑭᕐᑭᕐᑭ	=	0331	=	ACROODZI
ᓃᕐᓃᓃᕐᑭ	=	0332	=	HAATH
ᕐᓃᕐᑭᕐᑭ	=	0335	=	INOAS
ᓃᓃᕐᑭᕐᑭᕐᑭᕐᑭ	=	0335	=	VOVINA
ᕐᑭᓃV	=	0336	=	BALIT
ᕐᑭᕐᑭᕐᑭ	=	0338	=	NIISO
ᕐᑭᕐᑭᕐᑭ	=	0339	=	THIL
ᕐᑭᕐᑭᕐᓃV	=	0340	=	BRANSNG
ᕐᑭᕐᑭᕐᓃᓃᕐᑭ	=	0342	=	AVAVOX
ᕐᑭᕐᓃᕐᑭᕐᑭ	=	0343	=	NOASMI
ᕐᑭᕐᑭᕐᑭᕐᑭ	=	0343	=	THILD
ᓃᕐᑭᕐᑭᕐᓃV	=	0344	=	BALTIM
ᕐᑭᕐᑭᕐᓃᓃᕐᑭ	=	0344	=	SAMVELG

ዕረገጽገ	=	0344	=	SIAION
ገጸረሰሠረዕ፡	=	0345	=	CNOQVODI
ቀገቀጸጸ፡	=	0345	=	CORDZIZ
ገ፡ገጸጸ፡	=	0345	=	MONASCI
ጸገገገገ፡	=	0345	=	MOSPLEH
ሰ፡፡	=	0345	=	PAMBT
ጸገገገ፡	=	0346	=	LONSA
ሰገገገ፡	=	0347	=	QVASB
ገ፡፡	=	0350	=	ORS
ሰሰገገገ፡	=	0350	=	TIBIBP
ገ፡፡፡	=	0351	=	CAOSGO
፡፡፡፡	=	0351	=	SAANIR
፡፡፡፡፡	=	0352	=	CNOQVOL
ገ፡፡፡	=	0352	=	CORS
ገ፡፡፡፡	=	0352	=	QVAAS
ሰ፡፡፡፡	=	0354	=	GROSB
ዕ፡፡	=	0356	=	TAN
ገ፡፡፡	=	0357	=	EORS
፡፡፡፡	=	0357	=	ORSBA
፡፡፡፡፡	=	0357	=	SOBRA
፡፡፡፡፡፡	=	0357	=	VOMZARG
ዕ፡፡፡፡፡፡	=	0358	=	CASARMAN
፡፡፡፡፡	=	0358	=	ORSCA
፡፡፡፡	=	0359	=	ISRO
ገ፡፡፡፡፡	=	0359	=	LONSHI
፡፡፡፡፡፡፡	=	0360	=	AZIAZIOR
ገ፡፡፡፡፡፡	=	0360	=	OMAOAS
ገ፡፡፡፡፡	=	0361	=	CORSI
፡፡፡፡፡	=	0365	=	AISRO
ሰ፡፡፡፡፡፡	=	0366	=	ADPHAHT
፡፡፡፡፡፡፡	=	0367	=	SAGACOR
፡፡፡	=	0367	=	TEX
ሰ፡፡፡፡፡	=	0370	=	ANETAB
ሰ፡፡፡፡፡፡	=	0370	=	NETAAB
ገ፡፡፡፡፡፡፡	=	0371	=	QVASAHI
ሰ፡፡፡፡፡፡፡	=	0373	=	GNETAAB
፡፡፡፡፡፡፡	=	0376	=	DARSAR
ሰ፡፡፡፡፡፡፡	=	0379	=	NETAAIB
ገ፡፡፡፡፡፡፡	=	0380	=	BLIORS
ዕ፡፡፡፡፡፡፡	=	0380	=	LVSDAN

፳፯	=	0380	=	TOH
፻፳፭	=	0381	=	VRBS
፻፳፮	=	0383	=	BALTAN
፻፳፯	=	0383	=	GOHVS
፻፳፻፯	=	0386	=	BOOAPIS
፻፳፻፱	=	0386	=	NAZPSAD
፻፳፻	=	0389	=	RIT
፻፳፻፱	=	0389	=	THILN
፻፳፻፱	=	0390	=	TOL
፻፳፻፱	=	0392	=	NAPTA
፻፳፻፱	=	0394	=	BVSDIR
፻፳፻፱	=	0394	=	FARGT
፻፳፻፱	=	0396	=	ARTH
፻፳፻፱	=	0396	=	BRITA
፻፳፻፱	=	0396	=	HOATH
፻፳፻፱	=	0400	=	TIOBL
፻፳፻፱	=	0400	=	TLIOB
፻፳፻፱	=	0401	=	CAOSGON
፻፳፻፱	=	0402	=	QTING
፻፳፻፱	=	0403	=	OZONGON
፻፳፻፱	=	0405	=	QVANIS
፻፳፻፱	=	0406	=	TALHO
፻፳፻፱	=	0406	=	VTa
፻፳፻፱	=	0407	=	BALTOH
፻፳፻፱	=	0408	=	ATRAAH
፻፳፻፱	=	0409	=	LONSHIN
፻፳፻፱	=	0409	=	OTHIL
፻፳፻፱	=	0409	=	TELOCH
፻፳፻፱	=	0409	=	VTI
፻፳፻፱	=	0411	=	SOBOLN
፻፳፻፱	=	0412	=	HOATHAH
፻፳፻፱	=	0413	=	BALTOHA
፻፳፻፱	=	0418	=	CONISBRA
፻፳፻፱	=	0419	=	SIBSI
፻፳፻፱	=	0421	=	ETHAMZ
፻፳፻፱	=	0422	=	PERIPSAX
፻፳፻፱	=	0423	=	FISIS
፻፳፻፱	=	0428	=	CASASAM
፻፳፻፱	=	0430	=	LORSLQ
፻፳፻፱	=	0430	=	OBELISONG

ᐱᓯ	=	0430	=	TOX
ᑭᕈᖅᔪᒃᔨ	=	0434	=	ESIASCH
ᗋᕐᖁᓂ	=	0437	=	PASBS
ᐱᓴᕐᘠᕐᔩ	=	0437	=	SALBROX
ᓵᓂᕙᔫ	=	0445	=	IALPRT
ᑐᕝᓲᕐ	=	0445	=	TRIAN
ᕛᓰᓳᓄᓶᓷᓇᓸ	=	0446	=	PERIPSOL
ᗊᓴᕐᓴᑐ	=	0448	=	MONONS
ᕐᓴ	=	0450	=	TOR
ᓴᕐᓴᓏ	=	0450	=	VORS
ᕍᓴᕐᓴᓏ	=	0453	=	VORSG
ᕝᓴᕐ	=	0455	=	TROF
ᓵᕐᓴᕝᕝ	=	0464	=	FAORGT
ᕐᕐᓴᓵᕝᕐ	=	0465	=	MATORB
ᕛᕐᓴᕝᕐᕐᓵ	=	0467	=	TABAORD
ᓴᕙᕍᕝᓴ	=	0468	=	TOFGLO
ᕐᕝᕐᓴᕐᓴᓴᓴᕝᔫ	=	0470	=	IADOISMOMAR
ᓴᓴᕝᕝᓂ	=	0472	=	PAAOXT
ᓴᕐᓴᕝᕐᕐᓵ	=	0472	=	TABAORI
ᑐᓴᓳᓄᓶᓷᓇᓸ	=	0478	=	PIRIPSON
ᓵᓴᓴᕙᕙ	=	0480	=	BLIORT
ᕆᓴᓴᓎᕐᓴᓴ	=	0486	=	IEHVSOZ
ᓵᓴᕐᓴᓴ	=	0490	=	CORMPT
ᑐᕝᑐᕝᕐ	=	0492	=	TRANAN
ᑐᕝᓴᓴᕝᕐᓴᓴᓴᕙ	=	0501	=	LVCIFTIAN
ᓴᕝᕐᓴᓴᕙᕙᕙ	=	0502	=	BALZIZRAS
ᓴᕐᕐᕝᕝᓴᓴ	=	0502	=	ETHARZI
ᕐᓴᓴᓴᕐ	=	0502	=	ORSCOR
ᓴᕙᕝᕐᕝᓂ	=	0502	=	PATRALX
ᕝᓴᓴᕝᕝᕐᕝᕝ	=	0505	=	ABRAASSA
ᕝᓴᕐᓴᓴᓴ	=	0506	=	NOTHOA
ᓵᓴᓴᕙᕙ	=	0509	=	OLPIRT
ᕐᓴᓴᓴᓴᓴᓴᓴᓴ	=	0510	=	VONPOVNP
ᓴᓴᕍᕝᓴᓴ	=	0517	=	TABGES
ᕍᓴᓴᓴ	=	0523	=	TONVG
ᓴᕝᓴᓴᓴᓴ	=	0526	=	OVOARS
ᑐᓴᕐᓴᓴᕐ	=	0529	=	BVTMON
ᓴᓴᕍᕙᓴᓴ	=	0534	=	EMETGIS
ᕝᑐᓴᕐᓴᓴᕐ	=	0535	=	BVTMONA
ᓴᓴᓴᕝ	=	0536	=	ASPT

ᐅᑦᓴᓂᐱ	=	0538	=	BVTMONI
ᐅᑦᑕᑦᓴᑦᓴᑦ	=	0550	=	ZONRENSG
ᐅᑦᓴᓂᐱᑕᑦᑕᑦ	=	0577	=	LEVITHMONG
ᑕᑦᑕᑦᑕᑦ	=	0614	=	RESTEL
ᐱᑦᓴᑦ	=	0622	=	CONST
ᐅᑦᓴᑦᑕᑦ	=	0631	=	FAONTS
ᑕᑦᑕᑦᑕᑦᑕᑦ	=	0637	=	SOLPETH
ᐅᑦᑕᑦᓴᑦ	=	0640	=	BRINTS
ᐱᑦᓴᑦ	=	0640	=	TORZV
ᐅᑦᑕᑦᑕᑦᑕᑦᑕᑦ	=	0651	=	LVCIFTIAS
ᑕᑦᐱᑦᓴᑦ	=	0660	=	TORZVL
ᑕᑦᑕᑦᑕᑦ	=	0662	=	TATAN
ᑕᑦᑕᑦᑕᑦ	=	0671	=	TIANTA
ᐅᑦᓴᑦᑕᑦᑕᑦ	=	0676	=	SVRZAS
ᐅᑦᓴᑦᑕᑦ	=	0681	=	TVRBS
ᑕᑦᑕᑦᑕᑦᑕᑦᑕᑦᑕᑦ	=	0686	=	TELOCVOVIM
ᑕᑦᐱᑦᓴᑦ	=	0690	=	TORZVLP
ᑕᑦᑕᑦᑕᑦ	=	0739	=	TRINT
ᑕᑦᑕᑦᑕᑦᑕᑦ	=	0740	=	QVRLST
ᑕᑦᑕᑦᑕᑦ	=	0746	=	TOOAT
ᑕᑦᑕᑦᑕᑦᑕᑦ	=	0762	=	TOATAR
ᐅᑦᓴᑦᑕᑦᑕᑦ	=	0804	=	SIATRIS
ᐅᑦᓴᑦᑕᑦᑕᑦ	=	0843	=	TOLTORG
ᐅᑦᓴᑦᑕᑦᑕᑦᑕᑦ	=	0852	=	TOLTORGI
ᐅᑦᓴᑦᑕᑦᑕᑦᑕᑦᑕᑦ	=	0878	=	CHRISTEOS
ᐅᑦᓴᑦᑕᑦᑕᑦᑕᑦ	=	0890	=	TOLTORN
ᐅᑦᓴᑦᑕᑦᑕᑦ	=	0966	=	TVSTAX

sq. of the Consonants (16)

V	E	X	Z	B	C	D	F
G	M	L	N	G	H	L	M
T	Ω	U	Q	N	P	Q	R
7	1	Γ	P	S	T	X	Z

sq. of the Vowels (5)

X	1	7	L	X	X	A
1					X	U
7					L	O
L					1	I
X					1	E
X	1	7	L	X	X	A
A	E	I	O	U	A	

A	E	I	O	U	A
E	B	C	D	F	U
I	G	H	L	M	O
O	N	P	Q	R	I
U	S	T	X	Z	E
A	U	O	I	E	A

sq. of the Enochian Alphabet (21)

X	1	7	L	X	X
1	V	E	X	Z	X
7	G	M	L	N	L
L	T	Ω	U	Q	1
X	7	1	Γ	P	1
X	X	L	7	1	X



Magick 101: Supplement B

The Acrostics of Abramelin

(2021 edition)

By: Jonathan Barlow Gee

On the Acrostics of Abramelin

By: Jonathan Barlow Gee

Nov 14, 2018

Introduction:

The earliest presently known manuscript format of the contents of Abramelin is “Codex Guelfibus 10.1” - a version written in German dating to 1608 AD, from the library of Duke August in Wolfenbuttel, near Hannover, Germany. A second version, encrypted, is found in the same library and dates to the same year and (likely) the same author; it is called “Codex Guelfibus 47.1.”

In 1725 in Cologne, France, Peter Hammer published a rare bound edition of Abramelin.

In the Dresden library now, two further manuscript formats of Abramelin maybe found: “SLUB MS N 111” - which apparently dates to around 1700 AD, and is a Latin translation of the work, possibly copied from another source than the Wolfenbuttel codexes; and “SLUB MS N 161” - which likewise dates back to ~1750 AD and (possibly) the library of a Saxon Duke.

From ~1740, a manuscript portion of Abramelin, called “MS.OPP.594,” translated from German into Hebrew was found by Moritz Steinschneider and listed in his bibliography of Hebrew manuscripts (1852-1860).

Also from ~1750, a manuscript format maybe found in the Bibliotheque de l’Arsenal, in Paris, France, that is a translation from a German version (likely the Hammer) into contemporary French by an anonymous French translator.

In 1893, Samuel Liddell Macgregor Mathers published the first English translation of Abramelin working from the anonymous and incomplete French manuscript.

In 2006, a second English translation, compiled by Georg Dehn and translated by Steven Guth, was published based on the encoded Wolfenbuttel library MS (1608), Dresden MS. No. 2 (~1750), the Peter Hammer edition (1725), and the Hebrew Oxford MS (~1740).

Lastly, working from the Dehn/Guth English translation, in 2007, Aaron Leitch released a preliminary paper correcting ~156 of the 242 acrostic letter- or word-squares.

The present, 2019, edition by Jonathan Gee, excludes the entirety of the text (books 1 & 2) accompanying the acrostics (book 3) and deals only with these letter- / word-squares. Therefore, it is based solely on the complete Dehn / Guth edition as corrected by Leitch and the incomplete edition by SLM Mathers - which Leitch posited was an attempt by the anonymous French manuscript’s author to correct the letters as, later, Leitch himself did. Unlike the Dehn / Guth edition, and following the Mathers and Leitch editions, the acrostics are all here given in “square” format.

Following this brief introduction, the complete Dehn / Guth Abramelin acrostics, corrected by Leitch, and the incomplete Mathers acrostics will both be listed and, in a subsequent chapter, the incomplete or “broken” acrostics from Mathers will be worked upon to determine if they maybe “fixed,” to present a final, “complete” and “correct” edition of all the acrostics contained in both.

The contents of Abramelin maybe interiorly dated to between the end of the 1300’s (Feb. 13, 1397 exactly) and the mid 1400’s (the title page publication date imprint is 1458). This places the lifetime of “Abraham of Worms” - its alleged author - contemporary to Rabbi Jacob ben Moses ha Levi Mollin, the MaHaRIL. In the “Regesten” of Kaiser Sigismund, “Abraham the Jew” of Leipzig is listed as being his personal servant, following occasions of Abraham helping Kaiser Sigismund and the Duke Frederic of Saxony.

The contents are described (in book 1) as a letter addressed from Abraham to the younger of his two sons, Lamech. Abraham explains how he learned this method from his own father, Simon, and how Abraham has thus passed along what he learned to his elder son, Jospeh, in the form of the “Holy Tradition of the QLBH,” and in this method of acrostic talismans (book 3) which he now imparted to Lamech. No extent record remains of Abraham’s teachings of the “Holy Tradition” to Joseph, but the preparatory practices prescribed as prerequisite to even meditating on the acrostic talismans described (in book 2) a precise process of prayers, rituals, etc. that would require one and a half years to complete.

Because books 1 and 2 have already been adequately published in English translations by SLM Mathers and by Dehn and Guth, despite the prescription of their usage prior to contemplation of the acrostics, I will exclude the contents of book 1 (Abraham’s life story) and book 2 (the method of ritual preparation) from this present edition. In this edition, however, because the focus is shifted to the acrostics in-themselves, I have also devised a numbering system to describe them that I will use in place of the descriptions for their “magical” usages given in the extent translations.

The method of this numbering system is as such:

$$n=G.s=O.i$$

Where “n” is the “number” of the acrostic in the whole list, where “G” is the “group” it belongs to (or “chapter” of book 3), where “s” is the “section” of the group (or the “number” per “chapter” in the text), where “O” is the “order” of the acrostic (determined by the sum of cells per side of each square) and where “i” is the “instance” of occurrence of that “order” within the whole list (such as, the “third” time an acrostic of “order” 5 appears, and so forth). Numbering each acrostic in this manner yields a filing system wherein each acrostic has its own unique series of numbers accorded to its place and order; this system maybe applied independently of the “magical” usages described for each acrostic. The same numbering system is applied to both the “DGL” (Dehn/Guth/Leitch) and “SLM” (Mathers) sets, however, and so specific numbers from each maybe designated as such (DGL or SLM) for further clarification.

SLM Mathers - Abramelin

22 letters
(excluding J,
W,X,Y)

242 acrostics
(158 restored by JBG)

7 orders
(4,5,6,7,8,9,12)

Instances
(max to min)

5 = 106

7 = 71

6 = 30

8 = 11

4 = 10

9 = 9

12 = 1

$$1=1.1=5.1$$

M I L O N
I R A G O
L A M A L
O G A R I
N O L I M

⋈ ⌒ ⋈ ⌒ ⋈
⌒ ⋈ ⋈ ⌒ ⌒
⋈ ⋈ ⋈ ⋈ ⋈
⌒ ⌒ ⋈ ⋈ ⌒
⋈ ⌒ ⋈ ⌒ ⋈

$$2=1.2=7.1$$

T H I R A M A
H I G A N A M
I G O G A N A
R A G I G A R
A N A G O G I
M A N A G I H
A M A R I H T

⌒ ⋈ ⌒ ⋈ ⋈ ⋈
⋈ ⌒ ⌒ ⋈ ⋈ ⋈ ⋈
⌒ ⌒ ⌒ ⌒ ⋈ ⋈
⋈ ⋈ ⋈ ⌒ ⌒ ⋈ ⋈
⋈ ⋈ ⋈ ⌒ ⌒ ⌒ ⌒
⋈ ⋈ ⋈ ⋈ ⌒ ⌒ ⋈
⋈ ⋈ ⋈ ⋈ ⌒ ⋈ ⌒

$$3=1.3=5.2$$

D O R E H
O R I R E
R I N I R
E R I D O
H E R O D

⌒ ⌒ ⋈ ⌒ ⋈
⌒ ⋈ ⌒ ⋈ ⌒
⋈ ⌒ ⋈ ⌒ ⋈
⌒ ⋈ ⌒ ⌒ ⌒
⋈ ⌒ ⋈ ⌒ ⌒

$$4=1.4=5.3$$

N A B H I
A D A I H
B A K A B
H I A D A
I H B A N

ᵀ ᵂ ᵁ ᵁ ᵀ
ᵂ ᵁ ᵂ ᵀ ᵁ
ᵁ ᵂ ᵁ ᵂ ᵁ
ᵁ ᵀ ᵂ ᵁ ᵂ
ᵀ ᵁ ᵁ ᵂ ᵀ

$$5=1.5=7.2$$

N V D E T O N
V S I L A R O
D I R E M A T
E L E M E L E
T A M E R I D
O R A L I S V
N O T E D V N

ᵀ ᵁ ᵂ ᵀ ᵀ ᵀ ᵀ
ᵁ ᵀ ᵀ ᵀ ᵂ ᵂ ᵀ
ᵂ ᵀ ᵂ ᵀ ᵂ ᵂ ᵀ
ᵀ ᵂ ᵀ ᵂ ᵀ ᵂ ᵀ
ᵀ ᵂ ᵂ ᵂ ᵀ ᵂ ᵂ
ᵀ ᵂ ᵂ ᵂ ᵀ ᵂ ᵀ
ᵀ ᵂ ᵂ ᵂ ᵀ ᵂ ᵀ

$$6=1.6=6.1$$

S A R A P I
A R A I R P
R A K K I A
A I K K A R
P R I A R A
I P A R A S

ᵀ ᵂ ᵂ ᵂ ᵀ ᵀ
ᵂ ᵂ ᵂ ᵀ ᵂ ᵀ
ᵂ ᵂ ᵂ ᵂ ᵂ ᵂ
ᵂ ᵀ ᵂ ᵂ ᵂ ᵂ
ᵀ ᵂ ᵀ ᵂ ᵂ ᵂ
ᵀ ᵂ ᵂ ᵂ ᵂ ᵀ

$$7=1.7=6.2$$

M A L A C H
A M A N E C
L A N A N A
A N A N A L
C E N E M A
H C A L A M

⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵

$$8=1.8=5.4$$

K O S E M
O B O D E
S O F O S
E D O B O
M E S O K

⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵

$$9=1.9=6.3$$

R O T H E R
O R O R I E
T O A R A H
H A R A O T
B I R O R O
R E H T O R

⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵

$$10=1.10=8.1$$

M E L A B B E D
 E L A N A L S E
 L I N A K I L E
 A N A K A K A B
 B A K A K A N A
 B L I K A N I L
 E S L A N I L E
 D E B B A L E M

⌵ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌

$$11=1.11=7.3$$

M E B H A E R
 E L I A I L E
 B I K O S I A
 H A O R O A H
 A I S O K I B
 E L I A I L E
 R E A H B E M

⌵ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌

$$12=2.1=5.5$$

A L L U P
L E I R U
L I G I L
U R I E L
P U L L A

⌘ ⑆ ⑆ ᳚ Ω
⑆ ⑆ ᳚ ᳚ ⑆ ᳚
⑆ ᳚ ᳚ ᳚ ⑆
᳚ ⑆ ᳚ ᳚ ⑆
Ω ᳚ ⑆ ⑆ ⌘

$$13=2.2=8.2$$

M E L A M M E D
E R I F O I S E
L I S I L L I M
A F I R E L O M
M O L E R I F A
M I L L I S I L
E S I O F I R E
D E M M A L E M

⑆ ᳚ ⑆ ⌘ ⑆ ⑆ ᳚ ⌘
᳚ ⑆ ᳚ ⌘ ᳚ ᳚ ᳚ ᳚
⑆ ᳚ ᳚ ᳚ ⑆ ⑆ ᳚ ⑆
⌘ ⌘ ᳚ ⑆ ᳚ ⑆ ᳚ ⌘
⑆ ᳚ ⑆ ⑆ ᳚ ᳚ ᳚ ⑆
᳚ ᳚ ᳚ ᳚ ⌘ ᳚ ᳚
⌘ ᳚ ⑆ ⑆ ⌘ ⑆ ᳚ ⑆

$$14=2.3=7.4$$

E K D I L U N
K L I S A T U
D I N A N A L
I S A G A S I
L A N A N I D
U T A S I L K
N U L I D K E

⌈ ⑆ ⑈ ⌈ ⑈ ⑈
⑆ ⑈ ⌈ ⌈ ⑈ ⑈
⑈ ⌈ ⑈ ⑈ ⑈ ⑈ ⑈
⌈ ⌈ ⑈ ⑈ ⑈ ⌈ ⌈
⑈ ⑈ ⑈ ⑈ ⑈ ⌈ ⑆
⑈ ⑈ ⑈ ⌈ ⑈ ⑆ ⌈

$$15=3.1=5.6$$

U R I E L
R A M I E
I M I M I
E I M A R
L E I R U

⑈ ⑈ ⌈ ⌈ ⑈
⑈ ⑈ ⑈ ⌈ ⌈
⌈ ⑈ ⌈ ⑈ ⌈
⌈ ⌈ ⑈ ⑈ ⑈
⑈ ⌈ ⌈ ⑈ ⑈

$$16 = 3.2 = 7.5$$

L U C I F E R
U N A N I M E
C A T O N I F
I N O N O N I
F I N O T A C
E M I N A N U
R E F I C U L

C A B L Z I E
 a b l z i e
 B x n o l z
 l z o l n x B
 z l e l z
 e l z

$$17 = 3.3 = 8.3$$

L E V I A T A N
E R M O G A S A
V M I R T E A T
I O R A N T G A
A G T N A R O I
T A E T R I M V
A S A G O M R E
N A T A I V E L

0 1 2 3 4 5 6 7 8 9
 10 11 12 13 14 15 16 17 18 19
 20 21 22 23 24 25 26 27 28 29
 30 31 32 33 34 35 36 37 38 39
 40 41 42 43 44 45 46 47 48 49
 50 51 52 53 54 55 56 57 58 59
 60 61 62 63 64 65 66 67 68 69
 70 71 72 73 74 75 76 77 78 79
 80 81 82 83 84 85 86 87 88 89
 90 91 92 93 94 95 96 97 98 99

$$18=3.4=5.7$$

S A T A N
A D A M A
T A B A T
A M A D A
N A T A S

7 x / x 3
x x x x x
/ x V x /
x x x x x
3 x / x 7

$$19=4.1=8.4 \text{ (B1)}$$

G I L I O N I N
I L I O N O N I
L I O N O N O N
I O I O N O N O
O I O N O N O I
N O N O I O I L
I N O I O I L I
N I N O I L I G

6 7 C 7 L 3 7 3
7 C 7 L 3 7 3 7
C 7 L 3 7 3 7 3
7 L 7 L 3 7 3 L
L 7 L 3 7 3 L 7
3 L 3 L 7 L 7 C
7 3 L 7 L 7 C 7
3 7 3 L 7 C 7 6

20=4.2=7.6 (B2)

E T H A N I M
T T A H A N I
H A H A H A N
A H A H A H A
N A H A N A H
I N A H A H T
M I N A H T E

7 3 3 3 3 7 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3

21=4.3=7.7 (B3)

A P P A R E T
P P A R A R E
P A P A R A R
A P R A R P A
R A R R P A P
E R A P A E P
T E R A P P A

3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3
3 3 3 3 3 3 3

$$22=4.4=6.4$$

B E D S E R
E L I E L E
D I A P I S
S E P P E D
E L I E L E
R E S D E B

V 7 2 7 7 8
7 7 7 7 7
2 7 2 2 7
7 7 2 2 7
7 7 7 7 7
8 7 7 2 7 V

$$23=4.5=5.8$$

N E G O T
E R A S O
G A R A G
O M A R E
T O G E N

3 7 6 7 7
7 8 2 7 7
6 2 8 2 6
7 8 2 8 7
7 7 6 7 3

$$24=4.6=4.1$$

N A S I
A P I S
S I P A
I S A N

3 2 7 7
2 2 7 7
7 7 2 2
7 7 2 3

$$25=4.7=5.9$$

G O H E N
O R A R E
H A S A H
E R A S O
N E H O G

6 7 8 9 0
1 2 3 4 5
6 7 8 9 0
1 2 3 4 5
6 7 8 9 0

$$26=4.8=5.10 \quad (B4)$$

A D M O N
D M D M O
M D A D M
O M D M D
N O M D A

1 2 3 4 5
6 7 8 9 0
1 2 3 4 5
6 7 8 9 0
1 2 3 4 5

$$27=4.9=5.11 \quad (B5)$$

L E L E H
E L E L E
L E H E L
E L E L E
H E L H L

1 2 3 4 5
6 7 8 9 0
1 2 3 4 5
6 7 8 9 0
1 2 3 4 5

28=5.1=6.5 (B6)

A N A K I M
N A K I K I
A K I M A K
K I M A K A
I K A K A N
M I K A N A

⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘

29=5.2=6.6 (B7)

C E P H I R
E P H P H I
P H P H P H
H P H P H P
I H P H P E
R I H P E C

⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘

$$30=5.3=7.8 \quad (\text{B8})$$

O I K E T I S
I K E K E T I
K E T I K E T
E K I E I K E
T E K I T E K
I T E K E K I
S I T E K I O

⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋

$$31=5.4=5.12 \quad (\text{B9})$$

P A R A S
A R A R A
R A S A R
A R A R A
S A R A P

Ω ✕ Ω ✕ ⌋
✕ Ω ✕ Ω ✕
Ω ✕ ⌋ ✕ Ω
✕ Ω ✕ Ω ✕
⌋ ✕ Ω ✕ Ω

$$32=5.5=5.13 \quad (\text{B10})$$

R A C A H
A C A C A
C A R A C
A C A C A
H A C A R

Ω ✕ ⌋ ✕ ♡
✕ ⌋ ✕ ⌋ ✕
⌋ ✕ Ω ✕ ⌋
✕ ⌋ ✕ ⌋ ✕
♡ ✕ ⌋ ✕ Ω

$$33=5.6=5.14 \quad (\text{B11})$$

C U S I S
U S I S I
S I S I S
I S I S U
S I S U C

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$$34=5.7=7.9 \quad (\text{B12})$$

P E R A C H I
E R A C A C H
R A C A C A C
A C A C A C A
C A C A C A R
H C A C A R E
I H C A R E P

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$$35=5.8=5.15$$

R I S I R
I S E R I
S E K E S
I R E P I
R I S I R

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$$36=5.9=5.16$$

N E S E R
E L E H E
S E P E S
E H E L E
R E S E N

⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋

$$37=5.10=6.5 \text{ (B13)}$$

P E T H E N
E T H T H E
T H E N T H
H T N E H T
E H T H T E
N E H T E P

⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋

$$38=5.11=5.17$$

K A L E F
A R A R E
L A M A L
E R A R A
F E L A K

⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋

39=3.12=5.18 (B14)

K O B H A
O B O B H
B O B O B
H B O B O
A H B O K

B L V M X
L V L V M
V L V L V
M V L V L
X M V L B

40=6.1=6.6 (B15)

T E L A A H
E L A L A A
L A L A L A
A L A L A L
A A L A L E
H A A L E T

7 7 C X X M
7 C X C X X
C X C X C X
X C X C X C
X X C X C 7
M X X C 7 7

$$41=6.2=9.1 \quad (\text{B16})$$

A L C A B R U S I
 L C A B A B R U S
 C A B A B A B R U
 A B A B A B A B R
 B A B A B A B A B
 R B A B A B A B A
 U R B A B A B A C
 S U R B A B A C L
 I S U R B A C L A

x C B x V ε a 7 7
 C B x V x V ε a 7
 B x V x V x V ε a
 x V x V x V x V ε
 V x V x V x V x V
 ε V x V x V x V x
 a a V x V x V x B
 7 a ε V x V x B C
 7 a ε V x B C x

$$42=6.3=6.7 \quad (\text{B17})$$

C A D S A R
 A D S D S A
 D S D S D S
 S D S D S D
 A S D S D A
 R A S D A C

B x x 7 x ε
 x x 7 x 7 x
 x 7 x 7 x 7
 7 x 7 x 7 x
 x 7 x 7 x x
 ε x 7 x x B

$$43=6/4=7.10$$

P E L A G I M
E R E N O S I
L E R E M O G
A N E M A L A
G O M A R E L
I S O L E I E
M I G A L E P

Ω Γ ∷ ℵ ℓ Γ ε
Γ ε Γ ∅ ℓ Γ ℓ
∷ Γ ε Γ ε ℓ ℓ
ℵ ∅ Γ ε ℵ ∷ ℵ
ℓ ℓ ε ℵ ε Γ ∷
Γ Γ ℓ ∷ Γ Γ Γ
ε Γ ℓ ℵ ∷ Γ Ω

$$44=6.5=6.8$$

K I L O I N
I S E R P I
L E N I R O
O R I N E L
I P R E S I
N I O L I K

ℓ Γ ∷ ℓ Γ ∅
Γ Γ Γ ε Ω Γ
∷ Γ ∅ Γ ε ℓ
ℓ ε Γ ∅ Γ ∷
Γ Ω ε Γ Γ Γ
∅ Γ ℓ ∷ Γ ℓ

$$45=6.6=5.19 \quad (\text{B18})$$

N A K A B
A K A K A
K A K A K
A K A K A
B A K A N

∅ ℵ ℓ ℵ V
ℵ ℓ ℵ ℓ ℵ
ℓ ℵ ℓ ℵ ℓ
ℵ ℓ ℵ ℓ ℵ
V ℵ ℓ ℵ ∅

$$46=6.7=6.9$$

K I T T I K
I S I A D I
T I N N A T
T A N N I T
I D A I S I
K I T T I K

⌘ ⌌ ⌌ ⌌ ⌌ ⌘
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌘ ⌌ ⌌ ⌌ ⌌ ⌘

$$47=6.8=5.20 \text{ (B19)}$$

M A R A K
A R A R A
R A R A R
A R A R A
K A R A M

⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌

$$48=7.1=6.10 \text{ (B20)}$$

M E T A L O
E T A T A L
T A T E T A
A T E T A T
L A T A T E
O L A T E M

⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌ ⌌

$$49=7.2=6.11$$

T A B B A T
A R U U C A
B U I R U B
B U R I U B
A C U U R A
T A B B A T

↘ ↗ V V ↘ ↗
↗ ε ∂ ∂ ∂ ↗
V ∂ ∂ ε ∂ V
V ∂ ε ∂ ∂ V
↗ ∂ ∂ ∂ ε ↗
↗ ↗ V V ↗ ↗

$$50=7.3=7.11$$

I P O M A N O
P A M E R A M
O M A L O M I
M E L A C A H
A R O C U M I
N A M A M O N
O M I H I N I

∂ ∂ ∂ ε ↗ ∂ ∂
∂ ↗ ε ∂ ε ↗ ε
∂ ε ↗ ∂ ∂ ε ∂
ε ∂ ∂ ↗ ∂ ↗ ∂
↗ ε ∂ ∂ ∂ ε ∂
∂ ↗ ε ↗ ε ∂ ∂
∂ ε ∂ ∂ ∂ ∂

$$51=8.1=7.12$$

C A N A M E L
A M A D A M A
N A D A D A M
A D A N A D A
M A D A D A N
L A M A N A C

⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘

$$52=8.2=5.21 \quad (\text{B21})$$

T A K A T
A K A K A
K A T A K
A K A K A
T A K A T
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘

$$53=8.3=6.12 \quad (\text{B22})$$

S A G R I R
A G R G R I
G R G R G R
R G R G R G
I R G R G A
R I R G A S

⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘

$$54=8.4=5.22$$

H A M A G
A B A L A
M A H A M
A L A B A
G A M A H

⌒ ⌒ ⌒ ⌒ ⌒
⌒ ⌒ ⌒ ⌒ ⌒
⌒ ⌒ ⌒ ⌒ ⌒
⌒ ⌒ ⌒ ⌒ ⌒
⌒ ⌒ ⌒ ⌒ ⌒

$$55=9.1=7.13$$

I E M I M E I
E R I O N T E
M I R T I N M
I O T I T O I
M N I T R I M
S T N O I R E
I E M I M E I

⌒ ⌒ ⌒ ⌒ ⌒ ⌒
⌒ ⌒ ⌒ ⌒ ⌒ ⌒
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⌒ ⌒ ⌒ ⌒ ⌒ ⌒
⌒ ⌒ ⌒ ⌒ ⌒ ⌒

$$56=9 \cdot 2=7 \cdot 14$$

A I A C I L A
I S I O R E L
A I E R I R A
C O R I L O N
I R I L E I A
L R R O I S I
A L A N A I A

⌘ 7 ⌘ B 7 C ⌘
7 7 7 7 ε 7 C
⌘ 7 7 ε 7 ε ⌘
B 7 ε 7 C 7 7
7 ε 7 C 7 7 ⌘
C ε ε 7 7 7 7
⌘ C ⌘ 7 ⌘ 7 ⌘

$$57=9 \cdot 3=7 \cdot 15 \quad (\text{B23})$$

C H A D S I R
H A D S D S I
A D S A S D S
D S A S A S D
S D S A S D A
I S D S D A H
R I S D A H C

B 7 ⌘ 7 7 7 ε
7 ⌘ 7 7 7 7
⌘ 7 7 7 7 7
7 7 7 7 7 7
7 7 7 7 7 7
7 7 7 7 7 7
ε 7 7 7 7 7 B

$$58=9.4=7.16 \quad (\text{B24})$$

B E D A S E K
 E D A D A S E
 D A S A D A S
 A D A D A D A
 S A D A S A D
 E S A D A D E
 K E S A D E B

V 7 2 2 7 7 B
 7 2 2 2 2 7 7
 2 2 7 2 2 2 7
 2 2 2 2 2 2 2
 7 2 2 2 7 2 2
 7 7 2 2 2 2 7
 B 7 7 2 2 7 V

$$59=9.5=7.17$$

K A L T E P H
 A P I E R I P
 L I L M O R E
 T E M U M E T
 E R O M L I L
 P I E R I P A
 H P E T L A K

B 2 C 7 2 3
 2 2 7 7 2 2
 C 7 C 2 2 7
 7 7 2 2 7 7
 7 2 2 2 C 7 C
 2 7 7 2 2 2
 3 2 7 7 C 2 B

$$60 = 9.6 = 8.5$$

D I S E E B E H
I S A R T R I E
S A R G E I R B
E R B O N E T E
E T O N O G R E
B A R O B R A S
E R A T R A S I
H E B E E S I D

𐤀 𐤁 𐤂 𐤃 𐤄 𐤅 𐤆 𐤇 𐤈 𐤉
 𐤊 𐤋 𐤌 𐤍 𐤎 𐤏 𐤐 𐤑 𐤒 𐤓
 𐤔 𐤕 𐤖 𐤗 𐤘 𐤙 𐤚 𐤛 𐤜 𐤝
 𐤞 𐤟 𐤠 𐤡 𐤢 𐤣 𐤤 𐤥 𐤦 𐤧
 𐤨 𐤩 𐤪 𐤫 𐤬 𐤭 𐤮 𐤯 𐤰 𐤱
 𐤲 𐤳 𐤴 𐤵 𐤶 𐤷 𐤸 𐤹 𐤺 𐤻
 𐤼 𐤽 𐤾 𐤿 𐥀 𐥁 𐥂 𐥃 𐥄 𐥅

$$61=9.7=12.1$$

I S I C H A D A M I O N
S E R R A R E P I N T O
I R A A S I M E L E I S
C R A T I B A R I N S I
H A S I N A S U O T I R
A R I B A T I N T I R A
D E M A S I C O A N O C
A P E R U N O I B E M I
M I L I O T A B U L E L
I N E N T I N E L E L A
N O S I R A C I L A R I

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120
 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140
 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160
 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180
 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200
 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220
 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240
 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260
 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280
 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300
 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320
 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340
 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360
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 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400
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 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560
 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580
 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600
 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620
 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640
 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660
 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680
 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700
 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720
 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740
 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760
 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780
 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800
 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820
 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840
 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860
 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880
 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900
 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920
 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940
 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960
 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980
 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

62=10.1=7.18 (B25)

C O D S E L M
O D H E B E O
D S E B E S E
H A B E H E B
O H D S E S I
C O H A B I M

ⓑ ⓐ ⓓ ⓑ ⓐ ⓐ ⓐ
ⓐ ⓐ ⓓ ⓑ ⓐ ⓐ ⓐ ⓐ
ⓐ ⓐ ⓑ ⓐ ⓐ ⓐ ⓐ ⓐ
ⓓ ⓐ ⓐ ⓐ ⓐ ⓐ ⓐ ⓐ
ⓑ ⓐ ⓐ ⓐ ⓐ ⓐ ⓐ ⓐ

63=10.2=6.13 (B26)

L A C H A T
A C H C H A
C H C H C H
H C H C H C
A H C H C A
T A H C A L

ⓐ ⓐ ⓑ ⓓ ⓐ ⓐ
ⓐ ⓑ ⓓ ⓑ ⓓ ⓐ ⓐ
ⓑ ⓓ ⓑ ⓓ ⓑ ⓑ ⓑ
ⓓ ⓑ ⓓ ⓑ ⓓ ⓑ ⓑ
ⓐ ⓓ ⓑ ⓓ ⓑ ⓐ ⓐ
ⓐ ⓐ ⓓ ⓑ ⓐ ⓐ

$$64=10.3=9.2$$

P A R A D I L O N
A R I N O M I S O
R I L O R A E I K
A N O T A L A M I
D O R A F A C O L
I M A L A T O N A
L I E A C O R I T
O S I M O N I R A
N O K I L A T A N

Ω ✕ ε ✕ ✕ ∟ ∷ ∟ ∩
✕ ε ∟ ∩ ∟ ε ∟ ∟ ∟
ε ∟ ∷ ∟ ε ✕ ∟ ∟ ∟
✕ ∩ ∟ ∟ ✕ ∷ ✕ ε ∟
✕ ∟ ε ✕ ✕ ✕ ∟ ∟ ∷
∟ ε ✕ ∷ ✕ ∟ ∩ ∩ ✕
∷ ∟ ∟ ✕ ∟ ∟ ∟ ∟ ∟
∟ ∟ ∟ ε ∟ ∩ ∟ ε ✕
∩ ∟ ∟ ∟ ∷ ✕ ∟ ✕ ∩

$$65=10.4=5.23$$

H O R A H
O S O M A
R O T O R
A M O S O
H A R O H

∩ ∟ ε ✕ ∩
∟ ∟ ∟ ε ✕
ε ∟ ∟ ∟ ε
✕ ε ∟ ∟ ∟
∩ ✕ ε ∟ ∩

$$66=10.5=7.19$$

M A C A N E H
 A R O L U S E
 D I R U C U N
 A L U H U L A
 S E R U R O C
 U N E L I R A
 L U S A D A M

Ɔ ꝛ Ɓ ꝛ ɔ ɹ ʁ
 ꝛ ɛ ɹ ː ɔ ɳ ɹ ɹ
 ɔ ɹ ɛ ɳ Ɓ ɳ ɔ
 ꝛ ː ɔ ɳ ʁ ɳ ː ɔ ꝛ
 ɹ ɹ ɛ ɳ ɛ ɹ Ɓ
 ɳ ɔ ɹ ː ɔ ɹ ɛ ꝛ
 ː ɔ ɳ ɹ ꝛ ɔ ꝛ Ɔ

$$67=11.1=4.2$$

C O L I
 O D A C
 L A C A
 I C A R

Ɓ ɹ ː ɔ ɹ
 ɹ ɔ ꝛ Ɓ
 ː ɔ ꝛ Ɓ ꝛ
 ɹ Ɓ ꝛ Ɔ

$$68=11.2=6.14$$

S E A R A H
 E L L O P A
 A L A T I M
 R O T A R A
 A P I R A C
 H A M A C S

ɹ ɹ ꝛ ɛ ꝛ ʁ
 ɹ ː ː ɹ ɳ ꝛ
 ꝛ ː ɔ ɹ ɹ ɛ
 ɛ ɹ ɹ ꝛ ɛ ꝛ
 ꝛ ɳ ɹ ɛ ꝛ Ɓ
 ʁ ꝛ Ɔ ꝛ Ɓ ɹ

$$69=11.3=7.20 \quad (\text{B27})$$

K	E	H	A	H	E	K
E	H	A	H	A	H	E
H	A	H	A	H	A	H
A	H	A	H	A	H	A
H	A	H	A	H	A	H
E	H	A	H	A	H	E
K	E	H	A	H	E	K

E 1 3 x 3 1 3
 1 3 x 3 x 3 1
 3 x 3 x 3 x 3
 x 3 x 3 x 3 x
 3 x 3 x 3 x 3
 1 3 x 3 x 3 1
 E 1 3 x 3 1 3

$$70=12.1=7.21 \quad (\text{B28})$$

M E G I L L A
E G I G I L L
G I G I G I L
I G I G I G I
L I G I G I G
L L I G I G E
A L L I G E M

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 𐤔 𐤕 𐤖 𐤗 𐤘 𐤙 𐤚 𐤛 𐤜 𐤝
 𐤞 𐤟 𐤠 𐤡 𐤢 𐤣 𐤤 𐤥 𐤦 𐤧

$$71=12/2=7.22 \quad (\text{B29})$$

S I M B A S I
I M A A R A S
M A R C A R A
B A R I R A B
A R A C R A M
S A R I A M I
I S A B M I S

7 7 8 V x 7 7
7 7 8 x x 8 x 7
8 x 8 B x 8 x
V x 8 7 8 x V
x 8 x B 8 x 8
7 x 8 7 x 8 7
7 7 x V 8 7 7

$$72=12.3=7.23 \quad (\text{B30})$$

M A A B H A D
A A B A B H A
A B A B A B H
B A B A B A B
H B A B A B A
A H B A B A A
D A H B A A M

8 x x V 9 x 8
x x V x V 9 x
x V x V x V 9
V x V x V x V
9 V x V x V x
x 9 V x V x x
8 x 9 V x x 8

73=12/4=9.3 (B31)

M I L C H A M A H
 I L C H A H A M A
 L C H A M A H A M
 C H A C A R A H A
 H A H A H A H A H
 A D I R A C H I C
 M A H A M A H E L
 A M A D A I C L I
 H A M A H E L I M

ℓ 7 ˆ C B 3 3 x ℓ x 3
 ˆ 7 ˆ B ˆ 3 3 x 3 x 3 x 3
 B 3 3 x 3 B 3 x 3 x 3 x 3
 3 x 3 3 3 x 3 x 3 x 3 x 3
 x 3 x 3 3 x 3 B 3 3 7 ˆ C
 x 3 x 3 x 3 x 3 7 B ˆ 7 3
 3 x 3 x 3 x 3 7 ˆ 7 3
 3 x 3 x 3 x 3 7 ˆ 7 3

74=12.5=7.24 (B32)

C E D I D A H
 E D I R I D A
 D E R A R E D
 I R A I A R I
 D E R A R E D
 A D I R I D E
 H A D I D E C

B 7 x 7 x x 3
 7 x 7 x 7 x x
 x 7 x 7 x 7 x
 x 7 x 7 x 7 x
 x x 7 x 7 x 7
 3 x x 7 x 7 7 B

75=12.6=6.15 (B33)

A S A M I M
S A M A M I
A M I P A M
M A P I M A
I M A M A S
M I M A S A

⌘ 7 ⌘ ⌘ 7 ⌘
7 ⌘ ⌘ ⌘ ⌘ 7
⌘ ⌘ 7 7 ⌘ ⌘
⌘ ⌘ 7 7 ⌘ ⌘
7 ⌘ ⌘ ⌘ ⌘ 7
⌘ 7 ⌘ ⌘ 7 ⌘

76=12.7=7.25 (B34)

M E L A B A H
E L A L A B A
L A L A L A B
A L A L A L A
B A L A L A L
E B A L A L E
H A B A L E M

⌘ 7 ⌘ ⌘ V ⌘ 7
7 ⌘ ⌘ ⌘ V ⌘
⌘ ⌘ ⌘ ⌘ ⌘ V
⌘ ⌘ ⌘ ⌘ ⌘
V ⌘ ⌘ ⌘ ⌘ ⌘
7 V ⌘ ⌘ ⌘ 7
7 ⌘ V ⌘ ⌘ 7

$$77 = 13.1 = 8.6$$

E Z E C H I E L
Z E O F R A S E
E O R I A L A I
C F I R T A R H
H R A T R I F C
I A L A I R O E
E S A R F O E Z
L E I H C E Z E

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62
 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92
 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1

$$78 = 13 \cdot 2 = 7 \cdot 26$$

A	M	I	G	D	E	L
M	O	R	B	R	I	E
I	R	I	D	E	R	D
G	B	D	O	D	B	G
D	R	E	D	I	R	I
E	I	R	B	R	O	M
L	E	D	G	I	M	A

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 𐯝

$$79=13.3=5.24$$

I O S U A
O R I L U
S I S I S
U L I R O
A U S O I

7 2 7 2 3
2 3 7 7 2
7 7 7 7 7
2 7 7 3 2
3 2 7 2 7

$$80=13.4=5.25$$

P E G E R
E T I A E
G I S I G
E A I T E
R E G E P

2 7 6 7 3
7 2 7 3 7
6 7 7 7 6
7 3 7 2 7
3 7 6 7 2

$$81=14.2=7.28 \text{ (B35)}$$

T S A P H A H
S I R O A N A
A R E N T I H
P O N O N O P
H I T N E R A
A N A O R I S
H A H P A S T

2 7 3 2 3 3
7 7 3 2 3 3
3 3 7 3 2 3
2 2 3 2 3 2
3 7 2 3 7 3
3 3 3 2 3 7
3 3 3 2 3 7

$$82=14.2=7.28 \quad (\text{B36})$$

T S A P H A H
S I R O A N A
A N A N R I S
P O N O N O P
H I T N E R A
A N A O R I S
H A H P A S T

ノ ㄣ ✕ Ω ♡ ✕ ♡
ㄣ ㄣ ✕ ㄣ ✕ ㄣ ✕
✕ ㄣ ✕ ㄣ ✕ ㄣ ㄣ ㄣ
Ω ㄣ ㄣ ㄣ ㄣ ㄣ Ω
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✕ ㄣ ✕ ㄣ ✕ ㄣ ㄣ
♡ ✕ ♡ Ω ✕ ㄣ ノ

$$88=14.3=5.26$$

C A S A H
A D O D A
S O M O S
A D O P A
H A S A C

ℬ ✕ ㄣ ✕ ♡
✕ ㄣ ㄣ ✕ ✕ ✕
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✕ ㄣ ㄣ Ω ✕
♡ ✕ ㄣ ✕ ℬ

$$84=14.4=6.16 \quad (\text{B37})$$

A L A T A H
L A R A T A
A R O G A T
T A G O T A
A T A T A L
H A T A L A

✕ ㄣ ✕ ノ ✕ ♡
ㄣ ✕ ✕ ✕ ノ ✕
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ノ ✕ ㄣ ㄣ ノ ✕
✕ ノ ✕ ノ ✕ ㄣ
♡ ✕ ノ ✕ ✕ ㄣ ✕

85=14.5=5.27 (B38)

C O D E R
O D E D E
D E O E D
E D E D O
R E D O C

B L X 7 E
L X 7 X 7
X 7 L 7 X
7 X 7 X L
E 7 X L B

86=14.6=6.17 (B39)

S I M L A H
I M L I L A
M L A H I L
L I H A L M
A L I L R I
H A L M I S

7 7 E C X M
7 E C 7 C X
E C X M 7 C
C 7 M X C E
X C 7 C E 7
M X C E 7 7

87=14.7=5.28 (B40)

C E H A H
E H E H A
H A C E H
A H E H E
H A H E C

B 7 M X M
7 M 7 M X
M X B 7 M
X M 7 M 7
M X M 7 B

88=14.8=5.29 (B41)

A N A N A
N A N A N
A N A N A
N A N A N
A N A N A

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89=14.9=5.30 (B42)

T A M A N
A P A T E
M A E A D
A T A P A
N E D A C

↘ ↻ ε ↘ ↻
↘ Ω ↘ ↘ ↘
ε ↘ ↘ ↘ ↘
↘ ↘ ↘ Ω ↘
↻ ↘ ↘ ↘ B

90=14.10=7.29 (B43)

B E R O M I N
E R O M O M I
R O M O M O M
O M O M O M O
M O M O M O R
I M O M O R E
N I M O R E B

V ↘ ε ↘ ε ↘ ↻
↘ ε ↘ ε ↘ ε ↘
ε ↘ ε ↘ ε ↘ ε
↘ ε ↘ ε ↘ ε ↘
ε ↘ ε ↘ ε ↘ ε
↘ ε ↘ ε ↘ ε ↘
↻ ↘ ε ↘ ε ↘ V

$$91=14 \cdot 11=5 \cdot 31 \quad (\text{B44})$$

T A L A C
A L A L A
L A L A L
A L A L A
C A L A T

↘ ↗ ↻ ↗ ↻
↗ ↻ ↻ ↗ ↻
↻ ↗ ↻ ↗ ↻
↗ ↻ ↗ ↻ ↗
↻ ↻ ↗ ↻ ↗
↻ ↗ ↻ ↗ ↘

$$92=14 \cdot 12=7 \cdot 30 \quad (\text{B45})$$

A L A M P I S
L A M P M P I
A M P M A M P
M P M P M P M
P M I M L M A
I S I P M A L
S I P M A L A

↗ ↻ ↗ ↻ ↻ ↻ ↻
↗ ↗ ↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗ ↗ ↗

$$93=15 \cdot 1=5 \cdot 32 \quad (\text{B46})$$

I A I I N
A I A I I
I A I A I
I I A I A
N I I A I

↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗
↗ ↗ ↗ ↗ ↗

$$94=15.2=5.33 \quad (\text{B47})$$

B A S A R
A S A S A
S A S A S
A S A S A
R A S A B

V ↘ ↗ ↘ ↘
↘ ↗ ↘ ↗ ↘
↗ ↘ ↗ ↘ ↗
↘ ↗ ↘ ↗ ↘
↘ ↗ ↘ ↗ ↘

$$95=15.3=6.18 \quad (\text{B48})$$

L E C H E M
E M N A L E
C N O H A H
H A H O N C
E L A N M E
M E C H E L

⌈ ⋈ ⌋ ↘ ⋈ ⌈
⌋ ⌋ ⌋ ⌋ ↘ ⌋
⌋ ↘ ⌋ ⌋ ⌋ ⌋
⌈ ⋈ ↘ ⌋ ⋈ ⌈
⋈ ⌈ ⌋ ⌋ ⌈ ⋈

$$96=15/4=5.34$$

D A C A D
A R A F A
C A M A C
A F A R A
D A C A D

⌘ ↘ ⌋ ↘ ⌘
↘ ⋈ ↘ ⌘
⌋ ↘ ⋈ ↘ ⌋
↘ ⌘ ↘ ⋈ ↘
⌘ ↘ ⌋ ↘ ⌘

97=15.5=8.7 (B49)

L E B H I N A H
 E B I H H I N A
 B H H I I H I N
 I H I H H I H I
 N I H I I H I B
 A N I H H I B A
 H A N I H B E L

⌢ ⌌ ∇ ⌢ ⌌ ⌌ ⌢
 ⌌ ∇ ⌌ ⌢ ⌢ ⌌ ⌌ ⌢
 ∇ ⌢ ⌢ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌢ ⌌ ⌌ ⌌ ⌌ ⌌ ⌌
 ⌌ ⌌ ⌢ ⌌ ⌌ ⌌ ∇
 ⌢ ⌢ ⌌ ⌢ ⌢ ⌌ ⌌ ⌢

98=16.1=8.8 (B50)

T I P H A R A H
 I P H A H A R A
 P H A R H H A R
 H A R A R R H A
 A H H R A R A H
 R A H H R A H P
 A R A H A H P I
 H A R A H P I T

⌌ ⌌ ⌌ ⌢ ⌢ ⌢ ⌢
 ⌌ ⌢ ⌢ ⌢ ⌢ ⌢ ⌢
 ⌢ ⌢ ⌢ ⌢ ⌢ ⌢ ⌢
 ⌢ ⌢ ⌢ ⌢ ⌢ ⌢ ⌢
 ⌢ ⌢ ⌢ ⌢ ⌢ ⌢ ⌢
 ⌢ ⌢ ⌢ ⌢ ⌢ ⌢ ⌢
 ⌢ ⌢ ⌢ ⌢ ⌢ ⌢ ⌢

99=16.2=5.35 (B51)

C E S E P
E S E S E
S E S E S
E S E S E
P E S E C

⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠

100=16.3=7.31 (B52)

S E G I L A H
B R A L I P A
I L E N L I

⠠ ⠠ ⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠ ⠠ ⠠

101=16.4=5.36 (B53)

N E C O T
E C O C O
C O C O C
O C O C E
T O C E N

⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠
⠠ ⠠ ⠠ ⠠ ⠠

102=16.5=5.37

M A G O T
A R A T O
G A L A G
O T A R A
T O G A M

ε ρ ϭ ϭ ϭ
ρ ϭ ϭ ϭ ϭ
ϭ ϭ ϭ ϭ ϭ
ρ ϭ ϭ ϭ ϭ
ρ ϭ ϭ ϭ ϭ

103=16.6=4.3 (B54)

A G I L
N I L I
A L I G
K A N A

ρ ϭ ϭ ϭ
ρ ϭ ϭ ϭ
ρ ϭ ϭ ϭ
ϭ ϭ ϭ ϭ

104=16.7=5.38 (B55)

C O S E N
O S O S E
S O S O S
E S O S O
N E S O C

ϭ ϭ ϭ ϭ ϭ
ρ ϭ ϭ ϭ ϭ
ρ ϭ ϭ ϭ ϭ
ρ ϭ ϭ ϭ ϭ
ρ ϭ ϭ ϭ ϭ

105=16.8=5.39 (B56)

O T S A R
T S T S A
S T S T S
A S T S T
R A S T O

⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋

106=16.9=6.19

B E L I A L
B B O R U A
L O V A R I
I R A V O L
A V R O B E
L A I L E B

V ⌋ ⌋ ⌋ ⌋
V V ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋

107=16.10 = 5.40

O R I O N
R A V R O
A V A V I
O R V A R
N O I R O

⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋

108=16.11=5.41 (B57)

K E R M A
E R M R M
R M R M R
M R M R E
A M R E K

B 7 8 9 x
7 8 9 9 9
8 9 9 9 9
9 9 9 9 7
x 9 9 7 B

109=16.12=4.4

I A N A
A M E N
N E M A
A N A I

7 x 9 x
x 9 7 9
9 7 9 x
x 9 x 7

110=16.13=7.32

B I C E L O N
I R O L A T O
C O R A M A L
E L A M A L E
L A M A R O C
O T A L O R I
N O L E C I B

V 7 B 7 C 7 9
7 8 7 C x 7 7
B 7 8 x 9 x C
7 C x 9 x C 7
C x 9 x 9 7 B
7 7 x C 7 8 7
9 7 C 7 B 7 V

111=16.4=5.42 (B58)

S E G O R
E G E G O
G E G E G
O G E G E
R O G E S

7 7 6 2 8
7 6 7 6 2
6 7 6 7 6
2 6 7 6 7
8 2 6 7 7

112=16.15=7.33 (B59)

H E T I S E R
E G I N E S E
T I S I T I S
I S I S I S I
S I T I S I T
E S I S I T E
R E S I T E H

3 7 2 7 7 8
7 6 7 3 7 7
2 7 7 7 7 7
7 7 2 7 7 2
7 7 7 7 2 7
8 7 7 7 2 3

113=16.16=7.34

A S T A R O T
S A L I S T O
T L A N B S R
A I N O N I A
R E B N A L T
O T S I L A S
T O R A T S A

⌘ 7 7 ⌘ ⌘ 7 7
7 ⌘ ⌘ 7 7 7 7
7 ⌘ ⌘ 7 7 7 7
⌘ 7 7 7 7 7 7
⌘ 7 7 7 7 7 7
7 7 7 7 7 7
7 7 7 7 7 7

114=16.17=5.43 (B60)

K O N E H
O N O N E
N O N O N
E N O N O
H E N O K

⌘ 7 7 7 7
7 7 7 7 7
7 7 7 7 7
7 7 7 7 7
7 7 7 7 7

115=16.18=5.44 (B61)

C A H I L
E H I H I
H I H I H
I H I H A
L I H A C

⌘ ⌘ ⌘ 7 ⌘
7 ⌘ 7 7 7
⌘ 7 7 7 7
7 ⌘ 7 7 7
⌘ 7 7 7 7

$$116=16 \cdot 19=6 \cdot 20$$

A R I T O N
R O C A R O
I C L O A T
T A O L O R
O R A C O R
N O T I R A

⌘ ⋈ 7 7 7 7
⋈ 7 7 ⌘ ⋈ ⋈ 7
7 7 7 7 ⌘ 7
7 ⌘ 7 7 7 ⋈
7 ⋈ ⌘ 7 7 ⋈
7 7 7 7 ⋈ ⌘

$$117=16 \cdot 20=6 \cdot 21$$

O R I M E L
R E M O R E
I M O N O N
N O N O M I
E R O M E R
L E I N R O

7 ⋈ 7 ⋈ 7 7
⋈ 7 ⋈ 7 ⋈ 7
7 ⋈ 7 7 7 7
7 7 7 7 ⋈ 7
7 ⋈ 7 ⋈ 7 ⋈
7 7 7 7 7

$$118=17 \cdot 1=5 \cdot 45$$

T A S M A
A G E I M
S E V E S
M I E G A
A M S A T

7 ⌘ 7 ⋈ ⌘
⌘ 7 7 7 ⋈
7 7 7 7 7
⋈ 7 7 7 ⌘
⌘ ⋈ 7 ⌘ 7

119=17.2=4.5 (B62)

A N A N
N A N A
A N A N
N A N A

⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘

120=17.3=5.46

H O L O P
O P O L O
L O B O L
O L O P O
P O L O H

⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘

121=17.4=4.6

O D A C
D A R A
A R A D
C A D O

⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘

122=17.5=5.47

R O L O R
O B U F O
L U A U L
O F U B O
R O L O R

⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈

123=17.6=5.48

N A T S A
A R O I S
T O L O T
S I O R A
A S T A N

⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈

124=18.1=7.35 (B63)

T S A R A A T
S I R A P L A
A R A P A P A
R A P A P A R
A R A P A P A
A A R A P A S
T A A R A S T

⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈

125=18.2=4.7 (B64)

B U A H
U A U A
A U A U
H A U B

V ᵐ ᵐ ᵐ
ᵐ ᵐ ᵐ ᵐ
ᵐ ᵐ ᵐ ᵐ
ᵐ ᵐ ᵐ V

126=18.3=8.9

M E T S O R A H
E L M I N I M A
T M A R O M I R
S I R G I O N O
O N O I G R I S
R I M O R A M T
A M I N I M L E
H A R O S T E M

ε Γ √ Γ √ ε ᵐ
Γ C ε Γ ᵐ Γ ε ᵐ
√ ε ᵐ ε √ ε Γ ε
Γ Γ ε ᵐ Γ √ ᵐ
√ ᵐ √ Γ ᵐ ε Γ √
ε ε Γ ε √ ε ᵐ
ᵐ ε Γ ᵐ Γ ε C Γ
ᵐ ᵐ ε √ Γ √ Γ ε

127=18.4=6.22

R E C H E M
E R H A S E
C H A I A H
H A I A H C
E S A H R E
M E H C E R

ε Γ B ᵐ Γ ε
B B ᵐ ᵐ ᵐ Γ
B ᵐ Γ ᵐ ᵐ B
ε Γ ᵐ B Γ ε

$$128=18.5=5.49$$

R O K E A
O G I R E
K I L I K
E R I G O
A E K O R

⋈ ⌒ Ⓑ ⌈ ⌘
⌒ Ⓢ ⌈ ⋈ ⌈
Ⓑ ⌈ ⋈ ⌈ Ⓑ
⌈ ⋈ ⌈ Ⓢ ⌒
⌘ ⌈ Ⓑ ⌒ ⋈

$$129=18.6=5.50$$

B E T E M
E M E R E
T E N E T
E R E M E
M E T E B

∇ ⌈ ∕ ⌈ ⋈
⌈ ⋈ ⌈ ⋈ ⌈
∕ ⌈ Ⓢ ⌈ ∕
⌈ ⋈ ⌈ ⋈ ⌈
⋈ ⌈ ∕ ⌈ ∇

$$130=18.7=6.23$$

B E B H E R
E R A O S E
B A R I O H
H O I R A B
E S O A R E
R E H B E D

∇ ⌈ ∇ ♡ ⌈ ⋈
⌈ ⋈ ⌘ ⌒ ⌈ ⌈
∇ ⌘ ⋈ ⌈ ⌒ ♡
♡ ⌒ ⌈ ⋈ ⌘ ∇
⌈ ⌈ ⌒ ⌘ ⋈ ⌈
⋈ ⌈ ♡ ∇ ⌈ ⋈

$$131=18.8=5.51$$

E L E O S
L A B I O
E B I B E
O I B A L
S O E L E

⌈⋈⌈⌋⌋
⋈⋈⌋⌋⌋
⌈⌋⌋⌋⌋
⌋⌋⌋⋈⋈
⌋⌋⌋⋈⌈⌋

$$132=18.9=7.36$$

K A D A K A T
A R A K A D A
D A R E M A K
A K E S E K A
K A M E R A D
A D A K A R A
T A K A D A K

⌋⋈⌋⋈⌋⋈⌋
⋈⋈⋈⌋⋈⌋⋈
⌋⋈⋈⌋⋈⌋⌋
⌋⋈⋈⌋⋈⌋⋈
⋈⌋⋈⌋⋈⌋⋈
⌋⋈⌋⋈⌋⋈⌋

$$133=18 \cdot 10=7 \cdot 37$$

R O G A M O S
O R I K A M O
G I R O R A M
A K O R O K A
M A R O R I K
O M A K I R O
S O M A G O R

⋈ ⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈ ⋈

$$134=18 \cdot 11=5 \cdot 52$$

S I T U R
I R A P E
T A R A G
U R A L A
R E G A N

⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈

$$135=18 \cdot 12=6 \cdot 29$$

H A P P I R
A M A O S I
P A R A O P
P O A R A P
I S O A M A
R I P P A H

⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈ ⋈

136=19.1=5.53 (B65)

D O D I M
O D I D I
D I D I D
I D I D O
M I D O D

Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ

137=19.2=5.54 (B66)

R A I A H
A I G I A
I G O G I
A I G I A
H A I A H

Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ

138=19.3=5.55 (B67)

M O D A H
O K O R A
D O D O D
A R O K O
H A D O M

Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ
Ɽ Ɽ Ɽ Ɽ Ɽ

139=19.4=7.38 (B68)

S I C O F E T
I C O R O F E
C E N A L I P
O R A O A R O
F O R A M O C
E F O R O C I
T E P O C I S

7 7 B L / 7 7
7 B L E L / 7
B 7 D x C 7 Q
L E x L x E L
/ L E x E L B
7 / L E L B 7
7 7 Q L B 7 7

140=19.5=7.39 (B69)

A L M A N A H
L M A R E N A
M A R B R E N
A A L B E A A
N E R B L A M
A R E H A I L
H A N A M L A

x C E x D x B
C C x E 7 D x
C x E V E 7 D
x x C V 7 x
D 7 E V C x C
x E 7 B x 7 C
B x D x C x

141=19.6=6.25 (B70)

C A L L A H
A P U O G A
L I A R O L
L O R A I L
A G O U P A
H A L L A C

ⓑ ⓧ Ⓒ Ⓒ ⓧ Ⓜ
ⓧ Ⓞ Ⓜ ⓙ Ⓢ ⓧ
Ⓒ ⓗ ⓧ Ⓢ ⓙ Ⓒ
Ⓒ ⓙ Ⓢ ⓧ ⓗ Ⓒ
ⓧ Ⓢ ⓙ Ⓜ Ⓞ ⓧ
Ⓜ ⓧ Ⓒ Ⓒ ⓧ ⓑ

142=19.7=4.8 (B71)

E L E M
L E L E
E L E L
M E L E

ⓗ Ⓒ ⓗ Ⓢ
Ⓒ ⓗ Ⓒ ⓗ
ⓗ Ⓒ ⓗ Ⓒ
Ⓢ ⓗ Ⓒ ⓗ

143=19.8=5.56

N A Q I D
A Q O R I
Q O R O Q
I R O Q A
D I Q A N

ⓓ ⓧ Ⓤ ⓗ ⓧ
ⓧ Ⓤ ⓙ Ⓢ ⓗ
Ⓤ ⓙ Ⓢ ⓙ Ⓤ
ⓗ Ⓢ ⓙ Ⓤ ⓧ
ⓧ ⓗ Ⓤ ⓧ ⓓ

$$144=19.9=5.57$$

S A L O M
A R E P O
L E M E L
O P E R A
M O L A S

7 x C J E
x E 7 Q J
C 7 E 7 C
J Q 7 E x
E J C x 7

$$145=19.10=5.58$$

D E B A M
E R E R A
B E R E B
A R E R E
M A B E D

x 7 V x E
7 E 7 E x
V 7 E 7 V
x E 7 E 7
E x V 7 x

$$147=19.12=6.26$$

I A L D A H
A Q O R I A
L O Q I R E
D R I I D E
A I R O R O
H A F E O N

7 x C x x M
x U J E 7 x
C J U 7 E 7
x E 7 7 x 7
x 7 E J E J
M x x 7 J U

$$148=19.13=7.40 \quad (\text{B72})$$

B E T U L A H
E T U - U L A
T U N A S U L
U - A - A - U
L O S A N I T
A L O - I T E
H A L U T R B

V 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

$$149 = 19 \cdot 14 = 7 \cdot 41 \quad (\text{B73})$$

I	E	D	I	D	A	H
E	D	I	R	C	D	A
D	I	L	O	Q	A	H
I	Q	A	R	A	D	I
D	O	R	A	R	C	A
A	D	O	D	C	D	E
H	A	D	I	D	E	I



150=19.15=5.59 (B74)

S A Q A L
A Q A Q A
Q A Q A Q
A Q A Q A
L A Q A S

7 x U x C
x U x U x
U x U x U
x U x U x
C x U x 7

151=19.16=6.27

Q E B H I R
E R A I S A
B A Q O L I
H I O L I A
I S L I A C
R A I A C A

U 7 V 3 7 8
7 8 x 7 7 x
V x U 7 C 7
3 7 7 C 7 x
7 7 C 7 x B
8 x 7 x B x

152=19.17=5.60 (B75)

E F E H A
F E H E H
E H E H E
H E H E F
A L Q A S

7 x 7 3 x
x 7 3 7 3
7 3 7 3 7
3 7 3 7 x
x C U x 7

153=19.18=5.61 (B76)

T A F A H
A F A F A
F A F A F
A F A F A
H A F A T

↙ ✕ ↗ ✕ ☺
✕ ↗ ✕ ↗ ✕
↗ ✕ ↗ ✕ ↗
✕ ↗ ✕ ↗ ✕
☺ ✕ ↗ ✕ ↗

154=19.19=5.62 (B77)

S A R A H
A R A R A
R A R A R
A R A R A
H A R A S

↖ ✕ ☺ ✕ ☺
✕ ☺ ✕ ☺ ✕
☺ ✕ ☺ ✕ ☺
✕ ☺ ✕ ☺ ✕
☺ ✕ ☺ ✕ ↖

155=19.20=5.63 (B78)

C A T A N
A T A T A
T A T A T
A T A T A
N A T A C

⊞ ✕ ↙ ✕ ☺
✕ ↙ ✕ ↙ ✕
↙ ✕ ↙ ✕ ↙
✕ ↙ ✕ ↙ ✕
☺ ✕ ↙ ✕ ⊞

$$156=20.1=5.64$$

K A N N A
A Q A I N
N A T A N
N I N Q A
A N N A K

⌘ ⌘ ⌘ ⌘ ⌘
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$$157=20.2=5.65 \text{ (B79)}$$

S E L A K
E L A L A
L E L A L
A I A R E
K A L E S

⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
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$$158=20,3=5.66 \text{ (B80)}$$

R O Q E N
O Q O Q E
Q O I O Q
E Q O Q O
N E Q O R

⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘

$$159=20.4=7.42 \quad (\text{B81})$$

A T L I T I S
T I L A L T I
I I A O A A T
L O Q O S A I
I I A S A I L
T A S O Q O I
I T L A L I T
S I T I L T A

✕ノCㄣノㄣㄣ
ノㄣC✕Cノㄣ
ㄣㄣ✕ノ✕✕ノ
Cノㄣㄣノㄣ✕ㄣ
ㄣㄣ✕ㄣ✕ㄣC
ノ✕ㄣノㄣㄣㄣ
ㄣノC✕Cㄣノ
ㄣㄣノㄣCノ✕

$$160=20.5=7.43 \quad (\text{B82})$$

O T S A M A H
T S A M A M A
S A M A M A M
A M A M A M A
M A K A R O S
A M A M A S T
H A M A S T O

ノノㄣ✕E✕㊄
ノㄣ✕E✕E✕
ㄣ✕E✕E✕E
✕E✕E✕Eノㄣ
E✕E㊄Eノㄣ
㊄✕E✕ㄣノノ

161= 20.6=5.67 (B83)

S I N A H
I R A T A
N O N I N
A X I R O
H A R O Q

7 7 3 x 3
7 7 3 x 3
3 7 3 7 3
x 7 7 3 7
3 x 3 7 7

162=20.7=5.68 (B84)

S A T A N
A T A T A
T A T A T
A T A T A
N A T A S

7 x 7 3 3
x 7 3 7 3
7 x 7 3 7
x 7 3 7 3
3 x 7 3 7

163=20.8=7.44 (B85)

L O F I T O S
O F I K I T O
F I T O F I T
I K O N O K I
T I F O T I F
O T I T I F O
S O T I F O L

C 7 x 7 7 7
7 x 7 7 7 7
x 7 7 7 7 7
7 7 7 3 7 7
7 7 x 7 7 7
7 7 7 7 7 7
7 7 7 7 7 7

$$164=20.9=5.69 \text{ (B86)}$$

G I B O R
I B I B O
B I L E T
O B E B I
R O B I G

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$$165=20.10=5.70$$

N O K A M
O R O T A
K O B A K
A T A M O
M A K O N

ᵐ ᵐ ᵐ ᵐ ᵐ
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$$166=20.11=5.71$$

K E L I M
E Q I S A
L I V O K
I S O G A
M A K A M

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167=20.12=7/45 (B87)

K E R A B A H
E M I R U T A
R A R O R A B
A R O Q O R A
B A R O R A R
A B A R A R E
H A B A R E K

ⓑ 7 ε ✕ V ✕ ♡
7 ε 7 ε 7 ✕
ε ✕ ε 7 ε ✕ V
✕ ε 7 7 7 ε ✕
V ✕ ε 7 ε ✕ ε
✕ V ✕ ε ✕ ε 7
♡ ✕ V ✕ ε 7 ⓑ

168=21.1=5.72 (B88)

Z A K E N
A K O K E
K O L A N
E K A K A
N E K A Z

ⓑ ✕ ⓑ 7 7
✕ ⓑ 7 ⓑ 7
ⓑ 7 7 ✕ 7
7 ⓑ ✕ ⓑ ✕
7 7 ⓑ ✕ ⓑ

169=21.2=8.10 (B89)

D I S K E N A H
I S K E K E N A
S K E K E K E N
K E K E K E K E
E K E K E K E K
N E K E K E K S
A N E K E K S I
H A N E K S I D

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170=21.3=7.46 (B90)

D I S A K A N
I R O Q U K A
S A Q A S A K
A K A K A K A
K A S A Q A S
A K A Q A S I
N A K A S I D

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171=21.4=5.73 (B91)

I	O	N	E	K
O	N	O	N	E
N	O	N	O	N
E	N	O	N	O
K	E	N	O	I

7	L	3	7	B
L	3	L	3	7
3	L	3	L	3
7	3	L	3	L
B	7	3	L	7

172=21.5=5.74 (B92)

B	A	C	U	R
A	C	E	C	U
C	O	R	E	C
U	C	O	C	A
R	U	C	A	B

V	3	B	2	E
3	B	7	B	2
B	L	E	7	B
2	B	L	B	3
E	2	B	3	V

173=22.1=7.47 (B93)

Q	E	L	A	D	I	M
E	L	A	L	A	D	I
L	A	L	A	L	A	D
A	L	A	L	A	L	A
D	A	L	A	L	A	L
I	D	A	L	A	L	E
M	I	D	A	L	E	Q

U	7	C	3	3	7	E
7	C	3	C	3	3	7
C	3	C	3	C	3	3
3	C	3	C	3	C	3
3	3	C	3	C	3	C
7	3	3	C	3	C	7
E	7	3	3	C	7	U

174=22.2=7.48 (B94)

B E H E M O T
 E H E H E M O
 H E Q O E N M
 E H E H Q H E
 M E H O H E H
 O M E H E H E
 T O M E H E B

V 7 3 7 5 7 7
 7 3 7 3 7 5 7
 3 7 7 7 7 3 5
 7 3 7 3 7 7 3
 5 7 3 7 3 7 3
 7 5 7 3 3 7 7
 7 7 5 7 3 7 V

175=22.3=7.49 (B95)

M E B A S I M
 E B A B A S I
 B A B A B A S
 A B A B A B A
 S A B A B A B
 I S A B A B E
 M I S A B E M

5 7 V 3 7 7 5
 7 V 3 V 3 7 7
 V 3 V 3 V 3 7
 3 V 3 V 3 V 3
 7 3 V 3 V 3 V
 7 7 3 V 3 V 7
 5 7 7 3 V 7 5

$$176=22.4=5.75$$

C A S E D
A S O T E
B O R O S
E T O S A
D E B A C

⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
V ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ V ⌘ ⌘

$$177=22.5=6.28 \text{ (B96)}$$

L E B H A H
E M A U S A
B H B H B H
H B S B H B
A H B H B E
H A H B E L

⌘ ⌘ V ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
V ⌘ V ⌘ V ⌘
⌘ V ⌘ V ⌘ V
⌘ ⌘ V ⌘ V ⌘
⌘ ⌘ ⌘ V ⌘ ⌘

$$178=22.6=7.50 \text{ (B97)}$$

Q A R A Q A K
A R A R A Q A
R A R A R A Q
A R A R A R A
Q A R A R A R
A Q A R A R A
K A Q A R A Q

⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘

179=23.1=5.76 (B98)

N A V E H
A V E V E
V E A E V
E V E V A
H E V A N

⌋ × ⌋ ⌋ ⌋
× ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ × ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ×
⌋ ⌋ ⌋ × ⌋

180=23.2=5.77 (B99)

Q A Q A H
A D A D A
D A D A D
A D A D A
H A D A Q

⌋ × ⌋ × ⌋
× ⌋ × ⌋ ×
⌋ × ⌋ × ⌋
× ⌋ × ⌋ ×
⌋ × ⌋ × ⌋

181=23.3=6.29 (B100)

C O M A H O N
O M A M A H O
M A M H M A H
A M H A H M A
H A M H M A M
O H A M A M O
N O H A M O C

⌋ ⌋ ⌋ × ⌋ ⌋ ⌋
⌋ ⌋ × ⌋ ⌋ × ⌋ ⌋
⌋ × ⌋ ⌋ ⌋ × ⌋ ⌋
× ⌋ ⌋ ⌋ × ⌋ ⌋ ×
⌋ × ⌋ ⌋ ⌋ ⌋ × ⌋
⌋ ⌋ ⌋ × ⌋ ⌋ ⌋
⌋ ⌋ ⌋ × ⌋ ⌋ ⌋

182=23.4=6.29 (B101)

B I N I A M
I N U U S I
N I N I N I
I N I N I N
A I N I N I
M A I N I B

V 7 3 7 x c
7 3 2 2 7 7
3 7 3 7 3 7
7 3 7 3 7 3
x 7 3 7 3 7
c x 7 3 7 V

183=24.1=7.51 (B102)

K I X A L I S
I R I N E Q I
X A N I N A L
A N I N I N A
L A N I N A X
I L A N A X I
S I L A X I K

B 7 7 x c 7 7
7 c 7 3 7 7 7
7 x 3 7 3 x c
x 3 7 3 7 3 x
c x 3 7 3 x 7
7 c x 3 x 7 7
7 7 c x 7 7 B

$$184=24 \cdot 2=9 \cdot 4 \quad (\text{B103})$$

Q	E	N	E	B	A	H
E	N	E	N	E	B	A
N	E	N	E	N	E	B
E	N	E	N	E	N	E
B	E	N	E	N	E	N
A	B	E	N	E	N	E
H	A	B	E	N	E	Q

U	7	3	7	V	×	3
7	3	7	3	7	V	×
3	7	3	7	3	7	V
7	3	7	3	7	3	7
V	7	3	7	3	7	3
×	V	7	3	7	3	7
3	×	V	7	3	7	U

$$185=24 \cdot 3=9 \cdot 4 \quad (\text{B104})$$

Q	E	D	E	S	E	L	A	N
E	M	A	Q	A	Q	A	L	A
D	E	S	A	Q	I	Q	A	L
E	N	A	Q	I	R	I	Q	A
S	A	S	I	S	I	S	A	S
E	S	E	R	I	Q	A	S	E
L	E	S	A	Q	A	S	E	D
A	L	E	S	I	S	E	D	E
N	A	L	E	S	E	D	E	Q

U	7	×	7	7	7	×	3
7	×	×	U	×	U	×	×
×	7	7	×	U	7	U	×
7	3	×	U	7	×	U	×
7	×	7	7	7	7	×	7
7	7	7	×	U	×	7	7
×	7	7	×	U	×	7	×
3	×	×	7	7	7	×	U

186=24.4=5.78 (B105)

M O R E H
O R O R E
R O S O R
E R O R O
H E R O M

ε λ ε γ ρ
λ ε λ ε γ
ε λ γ λ ε
γ λ ε λ ε
ρ γ ε λ ε

187=24.5=5.79

C A R A C
A R I O A
R I R I R
A O I R A
C A R A C

β ρ ε ρ β
ρ ε γ λ ρ
ε γ ε γ ε
ρ λ γ ε ρ
β ρ ε ρ β

188=24.4=5.80 (B106)

T A L A H
A N I M A
L I L I L
A L I L A
H A L A T

λ ρ ς ρ ρ
ρ ρ γ ε ρ
ς γ ς γ ς
ρ ς γ ς ρ
ρ ρ ς ρ λ

$$189=25.1=9.5 \quad (\text{B107})$$

N	A	H	A	R	I	A	M	A
A	H	A	R	A	R	I	A	M
H	A	R	A	R	A	R	I	A
A	R	A	R	I	R	A	R	I
R	A	R	I	R	I	R	A	R
I	R	A	R	I	R	A	R	A
A	I	R	A	R	A	R	A	H
M	A	I	R	A	R	A	H	A
A	M	A	I	R	A	H	A	N

[illegible]
$$190 = 25 \cdot 2 = 8 \cdot 11$$

B U R N A H E U
V L O R I P T E
R O M I L A P H
N R I T I L I A
A I L I T I R N
H P A L I M O R
E T P I R O L V
U E H A N R U B

V
A A C E U X Z
C L G N P Q R S T V W Y

191=25.3=5.81 (B108)

M A I A M
A I A I A
I A I A I
A I A I A
M A I A M

⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵

192=26.1=5.82 (B109)

S A G U B
A G D G U
G O R O G
U G D O A
B U G A S

⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵

193=26.2=5/83 (B110)

R A T O K
A K A T O
T A T A T
O T A T A
K O T A R

⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵

$$194=26.3=7/53 \quad (\text{B111})$$

B A R I A C A
 A R I A I A C
 R I A R A I A
 I A R A R A I
 A I A R A I R
 C A I A I R A
 A C A I R A B

V ↘ ⋈ ↗ ↘ ↗ ↘ ↗
 ↘ ⋈ ↗ ↘ ↗ ↘ ↗
 ⋈ ↗ ↘ ⋈ ↘ ↗ ↗
 ↗ ↘ ⋈ ↘ ↗ ⋈ ↗
 ↘ ↗ ↘ ⋈ ↘ ↗ ⋈
 ⋈ ↘ ↗ ↗ ↗ ↗ ↗
 ↘ ⋈ ↗ ↗ ⋈ ↗ V

$$195=26.4=5.84 \quad (\text{B112})$$

S E Q O R
 E Q E Q O
 Q E O E Q
 O Q E Q E
 R O Q E S

↗ ↗ ↗ ↗ ⋈
 ↗ ↗ ↗ ↗ ⋈
 ↗ ↗ ↗ ↗ ↗
 ⋈ ↗ ↗ ↗ ↗
 ⋈ ↗ ↗ ↗ ↗

196=26.5=9.6 (B113)

L O H A R A H O S
O H A R A R A H O
H A R A R A R A H
A R A R A R A R A
R A R A R A R A R
A R A R A R A R A
H A R A R A R A H
O H A R A R A H O
S O H A R A H O L

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197=27.1=5.85 (B114)

S E L A C
E L E L A
L N I R A
A R I N E
A L E L E
C A L E S

⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌
⌌ ⌌ ⌌ ⌌ ⌌

198=27.2=5.86 (B115)

H E S E B
E Q A L E
S A S G S
E S G S E
B E S E H

⌘ ⌈ ⌋ ⌈ V
⌈ ⌈ ⌋ ⌋ ⌈
⌋ ⌋ ⌋ ⌋ ⌋
⌈ ⌋ ⌋ ⌋ ⌈
V ⌈ ⌋ ⌋ ⌋ ⌘

199=27.3=7.54 (B116)

A O D O N I A
O Q O L O Q O
D O L O L O N
O L O L O L O
N O L O L O D
I N O L O D O
A I N O D O A

⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌈ ⌋ ⌋ ⌈ ⌋
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$$200=27.4=7.55$$

A T S A R A H
T O A L I S A
S A D O R I R
A L O T O L A
R I R O D A S
A S I L A O T
H A R A S T A

𐤀 𐤓 𐤔 𐤀 𐤕 𐤀 𐤕
𐤕 𐤓 𐤀 𐤕 𐤕 𐤀 𐤕
𐤔 𐤀 𐤕 𐤓 𐤕 𐤕 𐤕
𐤀 𐤕 𐤓 𐤕 𐤕 𐤕 𐤕
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$$201=27.5=7.56 \quad (\text{B117})$$

A G A M A G A
G A M A M A G
A M A M A M A
M A M A M A M
A M A M A M A
G A M A M A G
A G A M A G A

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202=27.6=5.87 (B118)

S E L E G
E Q A Q E
L A L A L
E L A L E
G E L E S

7 7 C 7 6
7 1 x 1 7
C x C x C
7 C x C 7
6 7 C 7 7

203=27.7=5.88 (B119)

S O R E K
O R E R E
R E R E R
E R E R O
K E R O S

7 2 3 7 B
2 3 7 3 7
3 7 3 7 3
7 3 7 3 2
B 7 3 2 7

204=27.8=9.7 (B120)

A K R O P O L I S
K R O P O P O L I
R O P O P O P O L
O P O P O P O P O
P O P O P O P O P
O P O P O P O P O
L O P O P O P O R
I L O P O P O R K
S I L O P O R K A

℥ ℬ ℰ ℒ Ω ℒ ℄ ℒ ℒ
ℬ ℰ ℒ Ω ℒ Ω ℒ ℄ ℒ
ℰ ℒ Ω ℒ Ω ℒ Ω ℒ ℄
ℒ Ω ℒ Ω ℒ Ω ℒ Ω ℒ
Ω ℒ Ω ℒ Ω ℒ Ω ℒ Ω
ℒ Ω ℒ Ω ℒ Ω ℒ Ω ℒ
℄ ℒ Ω ℒ Ω ℒ Ω ℒ ℰ
ℒ ℄ ℒ Ω ℒ Ω ℒ ℰ ℬ
ℒ ℒ ℄ ℒ Ω ℒ ℰ ℬ ℥

205=27.9=5.89 (B121)

C A I O T
A I O I O
I O I O I
O I O I A
T O I A C

ℬ ℥ ℒ ℒ ℒ
℥ ℒ ℒ ℒ ℒ
ℒ ℒ ℒ ℒ ℒ
ℒ ℒ ℒ ℒ ℥
ℒ ℒ ℒ ℥ ℬ

206=27.10=5.90 (B122)

I	A	Q	E	B
A	Q	E	Q	E
Q	E	Q	E	Q
E	Q	E	Q	A
B	E	Q	A	I

┐	↘	└	┐	∇
↘	└	┐	└	┐
└	┐	└	┐	└
┐	└	┐	└	↘
∇	┐	└	↘	┐

207=27.11=7.57 (B123)

M	E	L	U	N	A	C
E	L	U	L	U	N	A
L	U	L	U	L	U	N
U	L	U	L	U	L	U
N	U	L	U	L	U	L
A	N	U	L	U	L	E
C	A	N	U	L	E	M

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↘	℄	℄	℄	℄	┐	℄
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208=27.12=5.91 (B124)

P	E	R	A	C
E	R	A	R	A
R	A	R	A	R
A	R	A	R	E
C	A	R	E	P

Ω	┐	℄	↘	℄
┐	℄	↘	℄	↘
℄	↘	℄	↘	℄
↘	℄	↘	┐	┐
℄	↘	℄	Ω	Ω

209=27.13=7.58 (B125)

K I K A I O N
I K A I A I O
K A I K I A I
A I K A K I A
I A I K I A K
O I A I A K I
N O I A K I K

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210=27.14=6.29 (B126)

O L E L A H
L E L E L A
E L A H E L
L E H A L E
A L E L E L
H A L E L O

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211=27.15=7.59 (B127)

D O B E R A H
O R A R E R A
B E R B R E R
E R B R B R E
R E R B R E B
A R E R E B O
H A R E B O D

⌵ ⌵ V ⌵ ⌵ ⌵ ⌵
⌵ ⌵ ⌵ ⌵ ⌵ ⌵ ⌵
V ⌵ ⌵ V ⌵ ⌵ ⌵
⌵ ⌵ V ⌵ V ⌵ ⌵
⌵ ⌵ ⌵ V ⌵ ⌵ V
⌵ ⌵ ⌵ ⌵ ⌵ V ⌵
⌵ ⌵ ⌵ ⌵ V ⌵ ⌵

212=27.16=5.92 (B128)

M A K O R
A K O K O
K O A O K
O K O K A
R O K A M

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213=27.17=7.60 (B129)

M I G I R A S
I G I G I R A
G I G I G I R
I G I G I G I
R I G I R I G
A M I L E S I
S A R I G I M

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214=27.18=6.30 (B130)

E S A H E L
S A H A H E
A H A H A H
H A H A H A
E H A H A S
L E H A S E

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215=27.19=5.93 (B131)

A R I E H
R I E I E
I E I E I
E I E I R
H E I R A

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216=27.20=7.61 (B132)

L I M I K O S
 I M I K I K O
 M I K I K I K
 I K I K I K I
 K I K I K I M
 O K I K I M I
 S O K I M I L

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217=27.21=5.94 (B133)

S A S A S
 A R I S A
 S I Q A S
 A S A R A
 S A S A S

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218=27.22=7.62 (B134)

K I K I M I S
I K I K I M I
K I K I K I M
I K I K I K I
M I K I K I K
I M I K I K I
S I M I K I K

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219=27.23=7.63 (B135)

N E S I K E R
E S I K I K E
S I K I K I K
I K I K I K I
K I K I K I S
E K I K I S E
R E K I S E N

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220=27.24=5.95 (B136)

D O B I H
O B I B I
B I O I B
I B I B O
H I B O D

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⌘ ⌘ ⌘ ⌘ ⌘

221=27.25=7.64 (B137)

F U F A L O S
U F A L A L O
F A L A L A L
A L A O A L A
L A L A L A F
O L A L A F U
S O L A F U F

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⌘ ⌘ ⌘ ⌘ ⌘ ⌘

222=27.26=5.96 (B138)

P A R A H
A R A R A
R A R A R
A R A R A
H A R A P

⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
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⌘ ⌘ ⌘ ⌘ ⌘

223=27.27=7.65 (B139)

G A D E S I R
A D E S E S I
D E S E S E S
E S E S E S E
S E S E S E D
I S E S E D A
R I S E D A G

6 7 8 9 10 11 12
7 8 9 10 11 12 13
8 9 10 11 12 13 14
9 10 11 12 13 14 15
10 11 12 13 14 15 16
11 12 13 14 15 16 17
12 13 14 15 16 17 18
13 14 15 16 17 18 19

224=27.28=5.97 (B140)

F A N I N
A N I N I
N I A I N
I N I N A
N I N A F

19 20 21 22 23
20 21 22 23 24
21 22 23 24 25
22 23 24 25 26
23 24 25 26 27
24 25 26 27 28

225=27.29=4.10 (B141)

R E E M
E Z Z E
E Z Z E
M E E R

28 29 30 31
29 30 31 32
30 31 32 33
31 32 33 34

226=27.30=5.98 (B142)

A I I A H
I U S E A
I S U A I
A I A I I
H A I I A

× 7 7 × 3
7 2 7 7 ×
7 7 2 × 7
× 7 × 7 7
3 × 7 7 ×

227=27.31=5.99 (B143)

S U H A L
U H A H A
H A H A H
A H A H U
L A H U S

7 2 3 × 7
× 3 3 × 3 7
× 3 × 3 × 3
× 3 × 3 × 3
7 × 3 2 7

228=27.32=7.66 (B144)

G I R I P E S
I R I R I P E
R I R I R I P
I R I R I R I
P I R I R I R
E P I R I R I
S E P I R I G

6 7 8 7 9 7 7
7 8 7 8 7 9 7
8 7 8 7 8 7 9
9 7 8 7 8 7 8
7 9 7 8 7 8 6

$$229=27.33=5.100 \quad (\text{B145})$$

A R N E P
R N E N E
N E N E N
E N E N R
P E N R A

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⌘ ⌘ ⌘ ⌘ ⌘

$$230=27.34=5.101 \quad (\text{B146})$$

A I I A L
I I A I A
I A I A I
A I A I I
L A I I A

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⌘ ⌘ ⌘ ⌘ ⌘

$$231=27.35=5.102 \quad (\text{B147})$$

K E L E F
E L E L E
L E L E L
E L E L E
F E L E K

⌘ ⌘ ⌘ ⌘ ⌘
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232=28.1=5.103 (B148)

S E Q O R
E Q A M O
Q A O A Q
O M A Q E
R O Q E S

⌈ ⌈ ⌈ ⌋ ⋈
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⋈ ⌋ ⌈ ⌋ ⌋

233=28.2=5.104 (B149)

K E S E R
E S E S E
S E S E S
E S E S E
R E S E K

⌋ ⌈ ⌋ ⌈ ⋈
⌈ ⌋ ⌈ ⌋ ⌋
⌋ ⌈ ⌋ ⌈ ⌋
⌈ ⌋ ⌈ ⌋ ⌋
⋈ ⌈ ⌋ ⌋ ⌋

234=28.3=5.105 (B150)

P E S E P
E S O S E
S O R O S
E M O Q E
P E S E P

Ω ⌈ ⌋ ⌈ ⌋ Ω
⌈ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⋈ ⌋ ⌋
⌈ ⌋ ⋈ ⌈ ⌋
Ω ⌋ ⌋ ⌋ ⌋

235=28.4=5.106 (B151)

M A T B A
A T B T B
T B A B T
B T B T A
A B T A M

ℰ ✂ ↗ V ✂
✂ ↗ V ↗ V
↗ V ✂ V ↗
V ↗ V ↗ ✂
✂ V ↗ ✂ ℰ

236=29.1=7.67 (B152)

M A C A N E H
A C A N A N E
C A N A N A N
A N A N A N A
N A N A N A C
E N A N A C A
H E N A C A M

ℰ ✂ ℬ ✂ ∩ ∟ ℳ
✂ ℬ ✂ ∩ ✂ ∩ ∟
ℬ ✂ ∩ ✂ ∩ ✂ ∩
∩ ✂ ∩ ✂ ∩ ✂ ℬ
∟ ∩ ✂ ∩ ✂ ℬ ✂
ℳ ∟ ∩ ✂ ℬ ✂ ℰ

$$237=29.2=9.8 \quad (\text{B153})$$

M A N A R A C A H
A N A R A R A C A
N A R A R A R A C
A R A R A R A R A
R A R A R A R A R
A R A R A R A R A
C A R A R A R A N
A C A R A R A N A
H A C A R A N A M

[illegible]

238=29.3=9.9 (B154)

M E T I S U R A H
E T I S I S U R A
T I S I S I S U R
I S I S I S I S U
S I S I S I S I S
U S I S I S I S I
R U S I S I S I T
A R U S I S I T E
H A R U S I T E M

239=30.1=7.68 (B155)

N A G I N A H
A G I N I N A
G I N I N I N
I N I N I N I
N I N I N I G
A N I N I G A
H A N I G A N

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240=30.2=7.69 (B156)

M E K O L A H
E K O L O L A
K O L O L O L
O L O L O L O
L O L O L O K
A L O L O K E
H A L O K E M

⌘ ⌋ ⌌ ⌋ ⌋ ⌘ ⌘
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241=30.3=7.70 (B157)

N I G I G I N
I G I G I G I
G I G I G I G
I G I G I G I
G I G I G I G
I G I G I G I
N I G I G I N

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242=30.4=7.71 (B158)

M E C A S E F
E F A R U S E
C A L L S A S
A S L S L S A
S A S L S A C
E S A S A C E
F E S A C E M

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Dehn / Guth / Leitch - Abramelin

21 letters
(excluding J,
V,W,X,Y)

255 acrostics

8 orders
(4,5,6,7,8,9,11,12)

Instances
(max to min)

5 = 95

7 = 86

6 = 34

9 = 18

8 = 11

4 = 8

12 = 1

11 = 1

$$1=1.1=5.1$$

M O R E H
O R I R E
R I N I R
E R I R O
H E R O M

⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈

$$2=1.2=5.2$$

N A B H I
A D A I H
B A R A B
H I A D A
I H S A N

⋈ ⋈ ⋈ ⋈ ⋈
⋈ ⋈ ⋈ ⋈ ⋈
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⋈ ⋈ ⋈ ⋈ ⋈

$$3=1.3=7.1$$

T H I R A M A
H I G A N A M
I G O G A N A
R A G I G A R
A N A G O G I
M A N A G I H
A M A R I H T

⋈ ⋈ ⋈ ⋈ ⋈
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$$4=1.4=5.3$$

M I L O N
I R A G O
L A M A L
O G A R I
N O L I M

⋈ ⌈ ⋈ ⌋ ⋈
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$$5=1.5=6.1$$

M A L A C H
A M A N E C
L A N A N A
A N A N A L
C E N A M A
H C A L A M

⋈ ⋈ ⋈ ⋈ ⌋ ⌋
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$$6=1/6=7.1$$

N U D E T O N
U S I L A R O
D I R E M A T
E L E M E L E
T A M E R I D
O R A L I S U
N O T E D U N

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⋈ ⌈ ⋈ ⌈ ⋈ ⌋
⌈ ⋈ ⌈ ⋈ ⋈ ⌈
⌋ ⋈ ⋈ ⌈ ⋈ ⌋
⌋ ⌋ ⌋ ⋈ ⌈ ⌈ ⌋
⋈ ⌋ ⌋ ⌈ ⌋ ⌋ ⋈

$$7=1.7=8.1$$

M E L A M M E D
E R I F O I S E
L I S I L L I M
A F I R E L O M
M O L E R I F A
M I L L I S I L
E S I O F I R E
D E M M A L E M

Ǝ 7 Ǝ Ǝ Ǝ Ǝ 7 Ǝ Ǝ
 7 Ǝ 7 7 7 7 7 7 7
 Ǝ 7 Ǝ 7 7 7 7 7 7
 Ǝ 7 7 7 7 7 7 7 7
 7 7 7 7 7 7 7 7
 7 7 7 7 7 7 7 7
 7 7 7 7 7 7 7 7
 7 7 7 7 7 7 7 7

8-1.8.7.2

E	K	D	I	L	U	N
K	L	I	S	A	T	U
D	I	N	A	N	A	L
I	S	A	G	A	S	I
L	A	N	A	N	I	D
U	T	A	S	I	L	K
N	U	L	I	D	K	E

7 8 9 10 11 12
 13 14 15 16 17 18
 19 20 21 22 23 24
 25 26 27 28 29 30
 31 32 33 34 35 36

$$9=1.9=6.2$$

S A R A P I
A R A I R P
R A K K I A
A I K K A R
P R I A R A
I P A R A S

7 x ε x Ω 7
x ε x 7 ε Ω
ε x B B 7 x
x 7 B B x ε
Ω ε 7 x ε x
7 Ω x ε x 7

$$10=1.10=5.4$$

K O S E M
O B O D E
S O F O S
E D O B O
M E S O K

B L 7 7 ε
L V L x 7
7 L x L 7
7 x L V L
ε 7 7 L B

$$11=1.11=5.5$$

A L L U P
L E I R U
L I G I L
U R I E L
P U L L A

x C C n Ω
C 7 7 ε n
C 7 6 7 C
n ε 7 7 C
Ω n C C x

$$12=2.1=6.3$$

P O T H E R
O T H A R E
T H O R A H
H A R O H T
E R A H T O
R E H T O P

Ω ∟ ∩ ∩ ∟ ε
∟ ∩ ∩ ∩ ε ∟
∩ ∩ ∟ ε ∩ ∩
∩ ∩ ε ∟ ∩ ∩
∟ ε ∩ ∩ ∩ ∟
ε ∟ ∩ ∩ ∟ Ω

$$13=2.2=8.2$$

M E L A B B E D
E L I N A L S E
L I K A K I L E
A N A K A K A B
B A K A K A N A
B L I K A K I L
E S L A N I L E
D E B B A L E M

ε ∟ ∩ ∩ ∟ ∩
∟ ∩ ∩ ∩ ∩ ∟
∩ ∟ ∩ ∩ ∟ ∩
∩ ∩ ∩ ∩ ∩ ∩
∩ ∩ ∩ ∩ ∩ ∩
∩ ∩ ∟ ∩ ∩ ∩
∩ ∟ ∩ ∩ ∩ ∩
∩ ∟ ∩ ∩ ∩ ∩

$$14=2.3=7.3$$

M E B H A E R
E L I A I L E
B I K O S I A
H A O R O A H
A I S O K I S
E L I A I L E
R E A H B E M

⌵ ⌋ V ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋
V ⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋
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⌋ ⌋ ⌋ ⌋ ⌋ ⌋
⌋ ⌋ ⌋ ⌋ ⌋ ⌋

$$15=3.1.8.3$$

M A R L I F I M
I T H I S I R O
D S E K E N I M
A T R A R A T U
T I R A R A I N
M I N E K E S D
O L A R A H L A
S O M F I R O S

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⌋ ⌋ ⌋ ⌋ ⌋ ⌋

$$16=3.2=5.6$$

S A T A N
A D A M A
T A B A T
A M A D A
N A T A S

7 x / x 3
x x x x x
/ x V x /
x x x x x
3 x / x 7

$$17=3.3=7.4$$

L I R B I A C
E S A E R M I
R A S H E U P
F I L E M I R
I S A M A N O
R E R O L I N
I R E T I S U

C 7 x V 7 x B
7 7 x 7 x 7
x x 7 7 7 7
7 7 C 7 x 7
7 7 x x 3 7
x 7 x 7 C 7 7
7 x 7 7 7 7

$$18=3.4=7.5$$

B E M T A M A
E M A S D A R
M A K I U R O
T S I P P O R
A D U P O S E
M A R O S A L
A R O R E L I

V 7 E 7 x E x
7 E x 7 x x x E
E x B 7 a E L
7 7 7 Q Q L E
x x a Q L 7 7
E x E L 7 x C
x E L E 7 C 7

$$19=4.1=8.4$$

G I L I O N I M
I R I M I I R I
L I O S A S I N
I M S A R A I O
O I A R A S M I
N I S A S O I L
I R I I M I R I
M I N O I L I G

6 7 C 7 L 3 7 E
7 E 7 E 7 7 E 7
C 7 L 7 x 7 7 3
7 E 7 x E x 7 L
L 7 x E x 7 E 7
3 7 7 x 7 L 7 C
7 E 7 7 E 7 E 7
E 7 3 L 7 C 7 6

$$20=4 \cdot 2=7 \cdot 6$$

E T H A N I M
T I A D I S I
H A R A P I N
A D A M A D A
N I P A R A H
I S I D A I T
M I N A H T E

7 1 3 2 3 7 8
7 1 2 2 7 7 7
3 2 8 2 2 7 3
3 7 2 2 2 2 3
7 7 7 2 2 7 7
8 7 3 2 3 7 7

$$21=4 \cdot 3=7 \cdot 7$$

A P P A R E T
P A R E S T E
P R E R E O R
A E R E R E A
R O E R E R P
E R S E R A P
T E R A P P A

2 2 2 2 7 7
2 2 7 7 7 7
2 7 7 7 7 7
2 7 7 7 7 7
7 7 2 2 2 2
7 7 2 2 2 2

$$22=4.4=6.4$$

B E D S E R
E L I E L A
D I A P I S
S E P P E S
E L I E M I
R A S S I N

V 7 2 7 7 8
7 C 7 7 C 2
2 7 2 2 7 7
7 7 2 2 7 7
7 C 7 7 8 7
8 2 7 7 7 3

$$23=4.5=5.7$$

L O C E N
O T A R A
C A R A G
E R A M I
N A G I D

C 7 B 7 3
7 7 2 8 2
B 2 8 2 6
7 8 2 8 7
3 2 6 7 2

$$24=4.6=4.1$$

N A S I
A P I S
S I P A
I S A N

3 2 7 7
2 2 7 7
7 7 2 2
7 7 2 3

$$25=4.7=5.8$$

C O H E N
O R A R E
H A S A H
E R A R O
N E H O C

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$$26=4.8=5.9$$

A D M O N
D R A S O
M A I A M
O S A R D
N O M D A

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$$27=4.9=5.10$$

H E L E L
E D A G E
L A D A L
E G A D E
L E L E H

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$$28=5.1=6.5$$

A N A K I M
N I L A R I
A L I S A K
K A S I L A
I R A L I N
M I K A N A

⌘ ⌘ ⌘ ⌘ ⌘ ⌘
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⌘ ⌘ ⌘ ⌘ ⌘ ⌘

$$29=5.2=7.8$$

O I K E T I S
I P O R A S I
K E L I R A T
E N I P I N E
T A R I A R K
I D E N S A I
S I T E K I O

⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘
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$$30=5.3=5.11$$

P A R A S
A H A R A
R A C A R
A R A H A
S A R A P

⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘
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⌘ ⌘ ⌘ ⌘ ⌘

$$31=5.4=7.9$$

P E R A C H I
E R I P E I H
R I M E N E C
A P E R E P A
C E N E M I R
H I E P I R E
I H C A R E P

Ω Γ ε × Β ϑ Γ
Γ ε Γ Ω Γ Γ ϑ
ε Γ ε Γ ϑ Γ Β
× Ω Γ ε Γ Ω ×
Β Γ ϑ Γ ε Γ ε
ϑ Γ Γ Ω Γ ε Γ
Γ ϑ Β × ε Γ Ω

$$32=5.5=5.12$$

R I Z I R
I S A R I
Z A K E N
I R E P I
R I N I R

ε Γ ϑ Γ ε
Γ Γ × ε Γ
ϑ × Β Γ ϑ
Γ ε Γ Ω Γ
ε Γ ϑ Γ ε

$$33=5.6=5.13$$

R A C A B
A R I P A
C I L I C
A P I R A
B A C A R

ε × Β × V
× ε Γ Ω ×
Β Γ C Γ Β
× Ω Γ ε ×
V × Β × ε

$$34=5.7=5.14$$

C U S I S
U E A H I
S A R A S
I H A E U
S I S U C

𐤁 𐤀 𐤌 𐤌 𐤌
𐤀 𐤌 𐤍 𐤍 𐤌
𐤌 𐤍 𐤍 𐤍 𐤌
𐤌 𐤍 𐤌 𐤌 𐤁

$$35=5.8=6.6$$

N E S H E R
E L E E H E
S E P P E H
H E P P E S
E H E E L E
R E H S E N

𐤒 𐤌 𐤌 𐤍 𐤍 𐤍
𐤌 𐤍 𐤍 𐤍 𐤍
𐤍 𐤌 𐤍 𐤍 𐤍
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𐤍 𐤌 𐤍 𐤌 𐤍

$$36=5.9=6.7$$

P E T H E N
E R A A N E
T A R C A H
H A C R A T
E N A A R E
N E H T E P

𐤒 𐤌 𐤌 𐤍 𐤍 𐤍
𐤌 𐤍 𐤍 𐤍 𐤍
𐤍 𐤍 𐤍 𐤍 𐤍
𐤌 𐤍 𐤍 𐤍 𐤍
𐤍 𐤌 𐤍 𐤌 𐤍

$$37=5 \cdot 10=5 \cdot 15$$

K E F E R
E R A R E
F A M A F
E R A R E
R E F E K

⌚ ⌒ ⚡ ⌒ ⚡
⌒ ⚡ ⚡ ⚡ ⌒
⚡ ⚡ ⚡ ⚡ ⚡
⌒ ⚡ ⚡ ⚡ ⌒
⚡ ⌒ ⚡ ⌒ ⌚

$$38=5 \cdot 11=5 \cdot 16$$

K O B H A
O R A I H
B A L A B
H I A R O
A H B O K

⌚ ⌒ ⚡ ⚡ ⚡
⌒ ⚡ ⚡ ⌒ ⚡
⚡ ⚡ ⚡ ⚡ ⚡
⚡ ⌒ ⚡ ⚡ ⌒
⚡ ⚡ ⚡ ⌒ ⌚

$$39=5 \cdot 12=6 \cdot 8$$

C E P H I R
E L A D I I
P A R I E H
H E I R A P
I I D A L E
R I H P E C

⌚ ⌒ ⚡ ⚡ ⌒ ⚡
⌒ ⚡ ⚡ ⚡ ⌒ ⌒
⚡ ⚡ ⚡ ⌒ ⌒ ⚡
⚡ ⌒ ⌒ ⚡ ⚡ ⚡
⚡ ⌒ ⚡ ⚡ ⌒ ⌚

$$40=6.1=6.9$$

S E L A A H
E R A N D A
L A M A N A
A N A M A L
A D N A R E
H A A L E S

7 7 C x x 3
7 7 x x 3 x x
C x x x 3 x x
x x 3 x x 3 x x
3 x x 3 x 7 7

$$41=6.2=9.1$$

A L E A B R U H I
L I R M U A P I H
E R A I B R I P U
A M I D A M R A R
B U B A U A B U B
R A R M A D I M A
U P I R B I A R E
H I P A U M R I L
I H U R B A E L A

x C 7 x V x 2 3 7
C 7 x x 2 x 2 3 3
7 7 x 7 V x x 2 2
x x x 7 x x x x x
V 2 V x 2 x V 2 V
x x x x x 7 x 7
3 7 2 x V 7 x 7 C x
7 3 2 x V x 7 C x

$$42=6.3=6.10$$

K I L O I N
I S E R P I
L E N I R O
O R I N E L
I P R E S I
N I O L I K

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$$43=6.4=5.17$$

N A K A B
A N I N A
K I R I K
A N I N A
B A K A N

ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ

$$44=6.5=7.10$$

P E L A G I N
E R E L O L I
L E R E P O G
A L E M E L A
G O P E R E L
I L O L E R E
N I G A E L P

ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
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ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
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$$45=6.6=6.11$$

K I T T I K
I S I A D I
T I N N A T
T A N N I T
I D A I S I
K I T T I K

ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
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$$46=6.7=5.18$$

M A R A K
A L A P A
R A N A R
A P A L A
K A R A M

ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ
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ᑭ ᑭ ᑭ ᑭ ᑭ

$$47=6.8=6.12$$

G A D R A R
A I R A P A
D R A M A R
R A M A R D
A P A R I A
R A R D A G

ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ
ᑭ ᑭ ᑭ ᑭ ᑭ ᑭ

$$48=7.1=6.13$$

M E T A L O
E Z A T E L
T A R A T A
A T A R A T
L E T A Z E
O L A T E M

⊗ ⊔ ↗ ✕ ⊖ ↺
⊔ ⊗ ✕ ↗ ⊔ ⊖
↗ ✕ ⊗ ✕ ↗ ✕
✕ ↗ ✕ ⊗ ✕ ↗
⊖ ⊔ ↗ ✕ ⊗ ⊔
↺ ⊖ ✕ ↗ ⊔ ⊗

$$49=7.2=6.14$$

T A B B A T
A R U N C A
B U I R N B
B N R I U B
A C N U R A
T A B B A T

↗ ✕ ∇ ∇ ✕ ↗
✕ ⊗ ∇ ∇ ∇ ✕
∇ ∇ ∇ ∇ ∇ ∇
∇ ∇ ⊗ ∇ ∇ ∇
✕ ∇ ∇ ∇ ∇ ✕
↗ ✕ ∇ ∇ ✕ ↗

$$50=7.3=7.11$$

I P O M A N O
P A M E R A M
O M A L O N I
M E L A C A H
A R O C A M I
N A N O M O N
O M I H I N I

7 2 7 3 4 5 6
2 4 3 7 5 4 3
7 3 4 5 6 7 2
3 7 5 4 3 6 7
4 5 7 6 4 3 7
5 4 6 7 3 2 5
6 3 2 5 7 4 6
7 2 5 6 7 3 2

$$51=8.1=7.12$$

C A N A M A L
A M A D A M A
N A D A H A M
A D A M A D A
M A H A D A N
A M A D A M A
L A M A N A C

6 4 5 3 2 7
4 3 5 2 7 6
5 2 7 3 6 4
3 7 6 4 2 5
2 6 4 7 5 3
7 5 3 6 4 2
6 3 2 4 7 5
3 2 7 5 6 4

$$52=8.2=6.15$$

S A G R I R
A S I A N I
G I R I A R
R A I R I G
I N A I S A
R I R G A S

7 8 6 8 7 8
8 7 7 8 9 7
6 7 8 7 8 8
8 8 7 8 7 6
7 9 8 7 7 8
8 7 8 6 8 7

$$53=8.3=5.19$$

T A K A T
A T E T A
K E R E K
A T E T A
T A K A T

7 8 B 8 7
8 7 7 7 8
B 7 8 7 B
8 7 7 7 8
7 8 B 8 7

$$54=8.4=5.20$$

H A M A H
A B A L A
M A H A M
A L A B A
H A M A H

3 8 8 8 3
8 V 8 C 8
8 8 3 8 8
8 C 8 V 8
3 8 8 8 3

$$55=9.1=7.13$$

I E M I M E I
 E R I O N T E
 M I R T I E M
 I O T I T A I
 M N I T I U M
 E T E A U R E
 I E M I M E I

⌈ ⌈ ε ⌈ ε ⌈ ⌈
 ⌈ ε ⌈ ⌋ ⌋ ⌋ ⌈
 ε ⌈ ε ⌋ ⌋ ⌈ ε
 ⌈ ⌋ ⌋ ⌈ ⌋ ✕ ⌈
 ε ⌋ ⌋ ⌈ ⌋ ⌈ ⌋ ε
 ⌈ ⌋ ⌋ ⌈ ✕ ⌋ ε ⌈
 ⌈ ⌈ ε ⌈ ε ⌈ ⌈

$$56=9.2=7.14$$

A I A C I L A
 I S I O R E L
 A I C R I R I
 C O R I R O C
 I R I R C I A
 L E R O I S I
 A L I C A I A

✕ ⌈ ✕ ⌋ ⌋ ⌋ ⌋ ⌋
 ⌈ ⌈ ⌈ ⌋ ε ⌈ ⌋
 ✕ ⌈ ⌋ ε ⌈ ε ⌈ ⌈
 ⌋ ⌋ ε ⌈ ε ⌋ ⌋
 ⌈ ε ⌈ ε ⌋ ⌈ ✕
 ⌋ ⌈ ε ⌋ ⌈ ⌈ ⌈
 ✕ ⌋ ⌋ ⌋ ✕ ⌈ ✕

$$59=9.5=7.16$$

E L E T R A K
L I R E E P E
E R O M A I L
T E M U M E T
R E A M O R E
A P I E R I P
K E L T E P H

⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋
⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋
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⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋

$$60=9.6=8.5$$

D I S E E B E H
I S A R T R I E
S A R H O A S B
E R H E T R O E
E T O T M A T E
B R A R A R I S
E I S O T I T I
H E B E E S I D

⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋⌈⌋
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$$61=9.7=7.17$$

B E D A S E K
E F I R A M E
D I R M I A S
A R M F I I A
S A I I A R D
E M A I R T E
K E S A D E B

V 7 2 3 7 7 B
7 3 7 8 3 7
2 7 8 8 7 3 7
3 8 8 3 7 7 3
7 3 7 7 3 8 2
7 8 3 7 8 7 7
B 7 7 3 2 7 V

$$62=10.1=4.2$$

C O L I
O D A L
L A C A
I L A R

B 2 C 7
2 2 3 C
C 3 B 3
7 C 3 8

$$63=10.2=6.16$$

S E A R A H
E L L O P A
A L A T I M
R O T A R A
A P I R A C
H A M A C S

7 7 3 8 3 3
7 C C 2 2 3
3 C 3 7 7 8
8 2 7 3 8 3
3 2 7 8 3 B
3 3 8 3 B 7

$$64=10.3=7.18$$

N E I S I E N
 E R E A E R E
 I E R P R E I
 S A P I P A S
 I E R P R E I
 E R E A E R E
 N E I S I E N

3 7 7 7 7 7 3
 7 8 7 7 7 8 7
 7 7 8 9 8 7 7
 7 7 9 7 9 7 7
 7 7 8 7 8 7 7
 3 7 7 7 7 7 3

$$65=10.4=5.21$$

H O R A H
 O S O M A
 O R T O R
 A M O S O
 H A R O H

3 7 8 7 3
 7 7 7 8 7
 7 8 7 7 8
 7 8 7 7 8
 3 7 8 7 3

$$66=10.5=9.2$$

P A R A D I L O N
A R I N O C I S O
R I L A R L A I L
A N A T A L L C I
D O R A T A R O D
I C L L A T A N A
L I A L R A L I R
O S I C O N I R A
N O L I D A R A P

Ω ✕ ε ✕ α Γ ∷ ℒ ∅
✕ ε Γ ∅ ℒ ∷ ℒ Γ ℒ
ε Γ ∷ ✕ ε ∷ ✕ Γ ∷
✕ ∅ ✕ ∕ ✕ ∷ ∷ ∷ Γ
α ℒ ε ✕ ∕ ✕ ε ℒ α
Γ ∷ ∷ ∷ ✕ ∕ ✕ ∅ ✕
∷ Γ ✕ ∷ ε ✕ ∷ Γ ε
ℒ Γ Γ ∷ ℒ ∅ Γ ε ✕
∅ ℒ ∷ Γ α ✕ Ω

$$67=10.6=7.19$$

L U D A C A M
U N E L I R A
D E R A R O C
A L A H A L A
C I R A C U N
A R O L U S E
M A C A N E S

∷ ∂ α ✕ ∷ ✕ ε
∂ ∅ Γ ∷ Γ ε ✕
α Γ ε ✕ ε ℒ ∷
✕ ∷ ✕ ∅ ✕ ∷ ✕
∷ Γ ε ✕ ∷ ∂ ∅
✕ ε ℒ ∷ ∂ Γ Γ
ε ✕ ∷ ∅ Γ Γ

$$68=10.7=9.3$$

I K K E B E K K I
 K A R T U T R A K
 K R U T U T U R K
 E T T S A S T T E
 B U U A R A U U B
 E T T S A S T T E
 K R U T U T U R K
 K A R T U T R A K
 I K K E B E K K I

7 B B 7 V 7 B B 7
 B x E 7 7 x E B
 B E 7 7 7 7 E B
 7 7 7 7 x 7 7 7
 V 7 7 x E x 7 7 V
 7 7 7 7 x 7 7 7
 B E 7 7 7 7 E B
 B x E 7 7 x E B
 7 B B 7 V 7 B B 7

$$69=11.1=7.20$$

M I B A H O C
 I N O R A R O
 B O R E R I D
 A R E H P E S
 H A R P I N E
 O R I E N T I
 C O D S I E M

E 7 V x 7 7 B
 7 7 7 E x E 7
 V 7 E 7 E 7 x
 x E 7 7 7 7 7
 7 x E 7 7 7 7
 B 7 x 7 7 7 7

$$70=11.2=6.17$$

L A C H A L
A R A I B A
C A L A I H
H I A L A C
A B I A R A
L A H C A L

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$$71=11.3=7.21$$

K E H A H E K
E N I F I N E
H I R I R I H
A F I R I F A
H I R I R I H
E N I F I N E
K E H A H E K

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$$72=12.1=7.22$$

M E G I L L A
E P R E I A L
G R U N T A L
I E N I U R I
L I T U R O G
L A A R O N E
A L L I G E M

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$$73=12.2=7.23$$

S I M B A S I
I R U A R I S
M U R K A R A
B A K A K A B
A R A K R U M
S I R A U R I
I S A B M I S

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$$74=12.3=7.24$$

M A A B H A D
A D S A I S A
A S A D R I H
B A D A D A B
H I R D A S A
A S I A S D A
D A H B A A M

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$$75=12.4=9.4$$

M I L C H A M A H
I R O H I D E N A
L O P A L I D E M
C H A K A R I D A
H I L A H A L I H
A D I R A K A H C
M E D I L A P O L
A N E D I H O R I
H A M A H C L I M

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$$76=12.5=7.25$$

J E D I D A H
E N E T E K A
D E R A R E D
I T A M A T I
D E R A R E D
A K E T E N E
H A D I D E J

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$$77=12.6=6.18$$

A S A M I M
S I L A P A
A L I G I L
M A G I D E
I P I D R E
M A L E E M

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$$78=12.7=7.26$$

M E L A C A H
E R O B O L A
L O R A R I B
A B A H A D U
C O R A L I C
A L I D I N E
H A B U C E M

ε 7 C x B x M
7 ε 7 V 7 C x
C 7 ε x ε 7 V
x V x M x 2 2
B 7 ε x C 7 B
x C 7 2 7 3 7
M x V 2 B 7 ε

$$79=13.1=8.6$$

R E L B E L A C
E R A R I I N I
L A L I N A A K
B R I L F R P I
E I N F I N A K
L I A R N B S I
A N A P H S U H
C I K I K I H I

ε 7 C V 7 C x B
7 ε x ε 7 7 3 7
C x C 7 3 x x B
V ε 7 C x ε 2 7
7 7 3 x 7 3 x B
C 7 x ε 3 V 7 7
x 3 x 2 M 7 2 M
B 7 B 7 B 7 M 7

$$82=13.4=5.22$$

P E G E R
E N I A E
G I S I G
E A I N E
R E G E P

Ω 7 6 7 ε
7 3 7 x 7
6 7 7 7 6
7 x 7 3 7
ε 7 6 7 Ω

$$83=14.1=7.27$$

A L A M A L A
L I R A R I L
A R O T O R A
M A T A T A M
A R O T O R A
L I R A R I L
A L A M A L A

x C x E x C x
C 7 E x E 7 C
x E L / L E x
E x / x / x E
x E L / L E x
C 7 E x E 7 C
x C x E x C x

$$84=14 \cdot 2=7 \cdot 28$$

T S A P H A H
S I R O I N A
A R N T R I H
P O T A T O P
H I R T N R A
A N I O R I S
H A H P A S T

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$$85=14 \cdot 3=5 \cdot 23$$

C A S A H
A P O D A
S O M I S
A D I N A
H A S A C

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$$86=14 \cdot 4=6 \cdot 19$$

A L A T A H
L I S A N A
A S O G A T
T A G O S A
A N A S I L
H A T A L A

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$$87=14.5=5.24$$

K O D E R
O R U S E
D U L I D
E S I N O
R E D O K

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$$88=14.6=6.20$$

S I M L A H
I R I I S A
M I R T I L
L I T R I M
A S I I R I
H A L M I S

ᐱ ᐱ ᐃ ᐃ ᐃ ᐃ
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$$89=14.7=5.25$$

B A H A D
A R I D A
H I R I S
A D I L A
D A S A C

V ᐃ ᐃ ᐃ ᐃ
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$$90=14.8=7.29$$

A N A N A N A
N I C E R O N
A C I S I R A
N E S I S E N
A R I S I C A
N O R E C I N
A N A N A N A

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$$91=14.9=7.30$$

B E R O M I M
E P I L I S I
R I S A R I M
O L A G I R O
M I R I F A R
I S I R A D E
M I M O R E B

V ⌘ ⌘ ⌘ ⌘ ⌘
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$$92=14 \cdot 10=7 \cdot 31$$

A L A M P I S
L O N A R S I
A N A D A I D
M A D A G L O
P R A G I A F
I S I L A N E
S I D O F E R

⌘ ⑆ ⌘ ⑆ ⑆ ⑆ ⑆ ⑆
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$$93=14 \cdot 11=5 \cdot 26$$

T A M A N
A P A F E
M A B E D
A F E D E
N E D E K

⌘ ⌘ ⑆ ⌘ ⑆
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$$94=14 \cdot 12=5 \cdot 27$$

T A L A L
A P O K A
L O B O L
A K O P A
L A L A T

⌘ ⌘ ⑆ ⌘ ⑆
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$$95=15.1=5.28$$

I A I I N
A R N A I
I N O K I
I A K L A
N I I A I

7 x 7 7 7
x x 7 7 7
7 7 7 7 7
7 x 7 7 7
7 7 7 7 7

$$96=15.2=5.29$$

B A S A R
A R O N A
S O I O S
A N O R A
R A S A B

V x 7 x x
x x 7 7 x
7 7 7 7 7
x 7 7 7 7
x x 7 x V

$$97=15.3=6.21$$

L E C H E M
E N R I S E
C R O B I H
H I B O R C
E S I R N E
M E H C E L

C 7 B 7 7
7 7 x 7 7
B x 7 V 7 7
7 7 V 7 7
7 7 7 x 7
x 7 7 7 7

$$98=15.4=5.30$$

D A G A D
A R O K A
G O M O G
A K O R A
D A G A D

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$$99=15.5=8.8$$

G E B H I N A H
E R A I N I S A
B A R D I T I N
H I D O S I N I
I N I S O D I H
N I T I D R A B
A S I N I A R E
H A N I H B E G

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$$100=16.1=8.9$$

T I P H A R A H
I N R A L I S A
P R E R U S I R
H A R O S U L A
A L U S O R A H
R I S U R E R P
A S I L A R N I
H A R A H P I T

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Ω ㄥ ㄥ ㄣ ㄥ ㄣ ㄣ ㄣ ㄣ ㄥ
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$$101=16.2=5.31$$

C E S E P
E L A T E
S A R I S
E T I K E
P E S E C

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Ω ㄣ ㄣ ㄣ ℬ

$$102=16.3=4.3$$

K A N A
A L I G
N I L I
A G I S

ℬ ✕ ㄣ ✕
✕ ㄥ ㄣ ㄣ
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$$104 = 16.5 = 7.32$$

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

[illegible]

$$105=16.6=5.32$$

N E C O T
E R A T O
C A L A C
O T A R E
T O C E N

3 7 B L /
7 8 x / L
B x C x B
L / x 8 7
/ L B 7 3

$$106=16.7=5.33$$

C O S E N
O L A G E
S A P A S
A G A L O
N E S O C

B L 7 7 3
L C x 6 7
7 x Q x 7
x 6 x C L
3 7 7 L B

$$107=16.8=5.34$$

O T S A R
T O E R A
S E M E S
A R E O T
R A S T O

L / 7 x 8
/ L 7 8 x
7 7 8 7 7
x 8 7 L /
8 x 7 / L

$$108 = 16.9 = 9.6$$

G E N A T I S I M
E R O S I M U T I
N O N A T A R A S
A S A M I N A R I
T I T I T I T I T
I M A N I R O G A
S U R A T O T I N
I T A R I G I S E
M I S I T A N E G

[illegible]

$$109 = 16 \cdot 10 = 9 \cdot 7$$

H	A	M	O	N	O	M	A	H
A	R	U	S	O	M	A	G	A
M	U	T	I	R	A	D	A	M
O	S	I	L	A	G	A	M	O
N	O	R	A	C	A	R	O	N
M	O	A	G	A	L	I	S	O
M	A	D	A	R	I	T	U	M
A	G	A	M	O	S	U	R	A
H	A	M	O	N	O	M	A	H

3 2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039

$$110=16 \cdot 11=5 \cdot 35$$

K E R M A
E L E I M
R E G E R
M I E L E
A M R E K

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$$111=16 \cdot 12=9 \cdot 8$$

M A H A M O R A H
A R I N E P I L A
H I T A G I K I R
A N A B A R I P O
M E G A L A G E M
O P I R A B A N A
R I K I G A T I H
A L I P E N I R A
H A R O M A H A M

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Ⓢ Ⓢ Ⓛ Ⓜ Ⓛ Ⓜ Ⓢ Ⓢ
Ⓜ Ⓛ Ⓢ Ⓢ Ⓜ Ⓛ ⓑ Ⓛ Ⓢ
Ⓢ Ⓜ Ⓢ Ⓢ Ⓢ Ⓢ Ⓛ Ⓜ Ⓛ
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Ⓜ Ⓢ Ⓢ Ⓜ Ⓜ Ⓜ Ⓢ Ⓢ
Ⓜ Ⓢ Ⓢ Ⓜ Ⓢ Ⓢ Ⓢ Ⓢ

$$112=16 \cdot 13=7 \cdot 33$$

B I K E L O N
I R O L A T O
K O R A T A L
E L A M A L E
L A R A T O K
O T A L O R I
N O L E K I B

V 7 B 7 C L D
7 E L C x / L
B L E x / x C
7 C x E x C 7
C x E x / L B
L / x C L E 7
D L C 7 B 7 V

$$113=16 \cdot 14=7 \cdot 34$$

N E K A S I M
E R A R I S I
K A I G I O S
A R G E N T A
S I I N T A K
I S O T A T E
M I S A K E N

D 7 B x 7 7 E
7 E x E 7 7 7
B x 7 6 7 L 7
x E 6 7 D / x
7 7 7 D / x B
7 7 L / x / 7
E 7 7 x B 7 D

$$114=16 \cdot 15=5 \cdot 36$$

K O N E H
O R I G E
N I M I N
E G I R O
H E N O K

ⓑ Ⓛ ⓓ Ⓛ Ⓜ
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ⓓ Ⓛ Ⓢ Ⓛ ⓓ
Ⓛ Ⓢ Ⓛ Ⓢ Ⓛ
Ⓜ Ⓛ ⓓ Ⓛ ⓑ

$$115=16 \cdot 16=5 \cdot 37$$

C H A I L
A R I F I
H I R I H
I R I R A
L I H A C

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$$116=16 \cdot 17=5 \cdot 38$$

S E G O R
E R O T O
G O L O G
O T O R E
R O G E S

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$$117=16 \cdot 18=7 \cdot 35$$

B E T I S E R
E L O R A G E
T O T O N I S
I R O M E N I
S A N E L I T
E G I N I S E
R E S I T E B

V 7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7

$$118=16 \cdot 19=7 \cdot 36$$

T I M I N O S
I G A L E P O
M A R O M E N
I L O S O L I
N E M O R A M
O P E L A G I
S O N I M I T

7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7
7 7 7 7 7 7 7

$$119=16 \cdot 20=7 \cdot 37$$

R A B I H I D
A R O P A T I
B O R O M A H
I P O L O P I
H A M O R O B
I T A P O R A
D I H I B A R

ε ρ V Γ ϩ Γ ϫ
ρ ε ϯ Ω ρ ϯ Γ
V ϯ ε ϯ ε ρ ϩ
Γ Ω ϯ ϯ ϯ Ω Γ
ϩ ρ ε ϯ ε ϯ V
Γ ϯ ρ ϯ ϯ ε ρ
ϫ Γ ϩ Γ V ρ ε

$$120=17 \cdot 1=9 \cdot 9$$

B A S H E F I N A
A G I A M I R O N
S I L M I S A R I
H A M O F U S I F
E M I F A F I M E
F I S U F O M A H
I R A S I M L I S
N O R I M A I G A
A N I F E H S A B

V ρ Γ ϩ Γ ρ Γ ϫ
ρ ϯ Γ ρ ε Γ ε ϯ ϯ
Γ Γ ϯ ε Γ ϯ ρ ε Γ
ϩ ρ ε ϯ ρ ρ ϯ Γ ϯ
Γ ε Γ ρ ρ ϯ Γ ε Γ
ρ Γ ϯ ϯ ϯ ε ϯ ϯ
ρ ϯ ε Γ ε ϯ ϯ ϯ V

$$121=17.2=5.39$$

N A T S A
A R O I S
T O L O T
S I O R A
A S T A N

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$$122=17.3=7.38$$

C A P P A I M
A R O A M R I
P O I R I A K
P A R A S H A
A M I S I A L
I R A H A L A
M I K A L A C

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$$123=17.4=4.4$$

A N A N
N A S A
A S A N
N A N A

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$$124=17.5=7.39$$

C I L I C E T
I S A R A G E
L A R M I L C
I R M I N O I
C A I N G A L
E G L O A P I
T E C I L I C

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$$125=17.6=7.40$$

A G A L A K
G I D O K A
A D I M A L
L O M I O L
A K A O M A
K A L L A H

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$$126=18.1=8.10$$

T S A R A A H
S I R A P L A
A R A M S O H
R A M I U S A
A P S U P I H
A L O S I T A
H A H A H A H

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$$127=18.2=9.10$$

M E T S O R A H
E L M I N I M A
T M A R T M A R
S I R G I L I O
O N T I P I A S
R I M L I A N T
A M A I A N T E
H A R O S T E M

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$$128=18.3=4.5$$

B U A H
U R N A
A N R U
H A U B

V ǂ ʌ ǂ
ǂ ǂ ǂ ʌ
ʌ ǂ ǂ ǂ
ǂ ʌ ǂ V

$$129=18.4=6.22$$

D E B H E R
E R A O S E
B A R I O H
H O I R A B
E S O A R E
R E H B E D

ǂ ǂ V ǂ ǂ ǂ
ǂ ǂ ʌ ǂ ǂ ǂ
V ʌ ǂ ǂ ǂ ǂ
ǂ ǂ ǂ ǂ ʌ V
ǂ ǂ ǂ ʌ ǂ ǂ
ǂ ǂ ǂ V ǂ ǂ

$$130=18.5=5.40$$

S I T U K
I R A P E
T A R A H
U R A L A
K E N A H

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$$131=18.6=7.41$$

K A D A K A D
A R A K A D A
D A R E M A K
A K E S E K A
K A M E R A D
A D A K A R A
D A K A D A K

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$$132=18.7=6.23$$

R E C H E M
E R H A S E
C H A I A H
H A I A H C
E S A H R E
M E H C E R

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$$133=18.8=5.41$$

B E T E N
E M E R E
T E N E T
E R E M E
N E T E B

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$$134=18.9=5.42$$

R O K E A
O G I R E
K I L I K
E R I G O
A E K O R

ε Ͽ β γ ϣ
Ͽ Ͼ γ ε γ
β γ ϣ γ β
γ ε γ Ͼ Ͽ
ϣ γ β Ͽ ε

$$135=18.10=7.42$$

R O G A M O S
O R I K A M O
G I B O R A M
A K O R O K A
M A R O B I G
O M A K I R O
S O M A G O R

ε Ͽ Ͼ ϣ ε Ͽ γ
Ͽ ε γ β ϣ ε Ͽ
Ͼ γ Ͽ Ͽ ε ϣ ε
ϣ β Ͽ ε Ͽ β ϣ
ε ϣ ε Ͽ Ͽ γ Ͼ
Ͽ ε ϣ β γ ε Ͽ
γ Ͽ ε ϣ Ͼ Ͽ ε

$$136=18.11=6.24$$

H A B B I R
A M A O S I
B A R A O B
B O A R A B
I S O A M A
R I B B A H

ϣ ϣ Ͽ Ͽ γ ε
ϣ ε ϣ Ͽ γ γ
Ͽ ϣ ε ϣ Ͽ Ͽ
Ͽ Ͽ ϣ ε ϣ Ͽ
γ γ Ͽ ϣ ε ϣ
ε γ Ͽ Ͽ ϣ ϣ

137=19.1=6.25

C A L L A H
A R I O T A
L O R E I L
L A M I E L
A G N I P A
H A L L A C

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138=19.2=5.43

C A T A N
A R I S A
T I N A K
A S A R A
N A K A C

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139=19.3=5.44

R A I A H
A R G R A
I G I G I
A R G R A
H A I A R

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$$140=19.4=5.45$$

D O D I M
O B A L A
D A R A C
I L A P A
M A C A R

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$$141=19.5=7.43$$

S I C O F E L
I P E R I G E
C E M A L I F
O R A M A R O
F I L A M E C
E G I R E P I
L E F O C I S

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⌵ ⌵ ⌵ ⌵ ⌵ ⌵

$$142=19.6=7.44$$

A L M A N A H
L I A H E R A
M A R E G E N
A H E B E H A
N E G E R A M
A R E H A I L
H A N A M L A

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$$143=19.7=7.45$$

S I Z I G O S
I P O R U S O
Z O L A F E G
I R A G A M I
G U F A P E Z
O S E M E S I
S O G I Z I S

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$$144=19.8=6.26$$

I A L D A H
A G A R M A
L A G I R F
D R I S D E
A M R D R O
H A F E O M

7 2 3 2 2 3
2 6 2 3 3 2
3 2 6 7 3 2
2 3 7 7 2 7
2 3 3 2 3 7
3 2 2 7 7 3

$$145=19.9=4.6$$

E L E M
L A R E
E R A L
M E L E

7 3 7 3
3 2 3 7
7 3 2 3
3 7 3 7

$$146=19.10=5.46$$

N A G I D
A K O R I
G O L O G
I R O K A
D I G A N

3 2 6 7 2
2 3 7 3 7
6 7 3 7 6
7 3 7 3 2
2 7 6 2 3

$$147=19 \cdot 11=5 \cdot 47$$

S A L O M
A R E P O
L E M E L
O P E R A
M O L A S

7 x C L E
x E 7 Q L
C 7 E 7 C
L Q 7 E x
E L C x 7

$$148=19 \cdot 12=4 \cdot 7$$

A H U B
H A G E
U G I E
B E E Z

x M n V
M x 6 7
n 6 7 7
V 7 7 P

$$149=19 \cdot 13=7 \cdot 46$$

B E T U L A H
E R I D O N A
T I N A S O L
U D A M A D U
L O S A N I T
A N O D I R E
H A L U T E B

V 7 7 n C x M
7 E 7 x L O x
7 7 O x 7 L C
n x x E x x n
C L 7 x O 7 7
x O L x 7 E 7
M x C n 7 7 V

$$150=19 \cdot 14=7 \cdot 47$$

I E D I D A T
E R I D O N A
D I L O G A H
I D O L A C I
D O G A R E B
A N A C E R A
T A H I B A T

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✕ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ✕ ⌘ ⌘ ⌘ ⌘

$$151=19 \cdot 15=5 \cdot 48$$

S A Q A L
A P A R A
Q A L A Q
A R A P A
L A Q A S

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⌈ ✕ ⌘ ✕ ⌈
✕ ⌘ ✕ ⌘ ✕
⌘ ✕ ⌈ ✕ ⌈

$$152=19 \cdot 16=6 \cdot 27$$

G E B H I R
E R A I S A
B A G O L I
H I O L I A
I S L I A H
R A I A H A

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⌘ ✕ ⌈ ✕ ⌘ ✕

$$153=19 \cdot 17=5 \cdot 49$$

S A R A H
A K E R A
R E M E R
A R E K A
H A R A S

7 8 9 10 11
12 13 14 15 16
17 18 19 20 21
22 23 24 25 26
27 28 29 30 31

$$154=19 \cdot 18=5 \cdot 50$$

C A T A N
A R I S A
T I N A K
A S A R E
N A K E L

32 33 34 35 36
37 38 39 40 41
42 43 44 45 46
47 48 49 50 51
52 53 54 55 56

$$155=19 \cdot 19=6 \cdot 28$$

T A A F A H
A U R E T A
A R O N I Z
F E N A C A
A T I C R O
H A Z A O B

57 58 59 60 61
62 63 64 65 66
67 68 69 70 71
72 73 74 75 76
77 78 79 80 81

$$156=19 \cdot 20=5 \cdot 51$$

E F E H A
F R A I L
E A M A G
H I A M A
A L G A S

$$157=20 \cdot 1=5 \cdot 51$$

K A N N A
A G A I N
N A T A N
N I A G A
A N N A K

7 7 7 7 7
7 7 7 7 7
7 7 7 7 7
7 7 7 7 7
7 7 7 7 7

$$158=20 \cdot 2=5 \cdot 53$$

S E L A K
E R A I A
L A M A L
A I A R E
K A L E S

B 7 7 7 7
7 7 7 7 7
7 7 7 7 7
7 7 7 7 7
7 7 7 7 7

$$159=20.3=7.48$$

A T L I T I S
T R O M A L I
L O G O S A T
I M O R O M I
T A S O G O L
I L A M O R T
S I T I L T A

⌘ノ⌘⌘⌘⌘⌘
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$$160=20.4=7.49$$

A T S A M A H
T I O K A M A
S O R A G A M
A K A H A K A
M A G A R O S
A M A K O I T
H A M A S T A

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$$161=20.5=5.54$$

Z O G E O
O S O N E
G O L O G
E N O S O
O E G O Z

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⌖ ⌗ ⌘ ⌙ ⌚ ⌛
⌜ ⌝ ⌞ ⌟ ⌠ ⌡
⌢ ⌣ ⌤ ⌥ ⌦ ⌧

$$162=20.6=6.29$$

E B I H A H
B E R A M A
I R U P A R
H A P N A T
A M A A S I
H A R T I S

⌈ ⌋ ⌌ ⌍ ⌎ ⌏
⌐ ⌑ ⌒ ⌓ ⌔ ⌕
⌖ ⌗ ⌘ ⌙ ⌚ ⌛
⌜ ⌝ ⌞ ⌟ ⌠ ⌡
⌢ ⌣ ⌤ ⌥ ⌦ ⌧

$$163=20.7=5.55$$

S I N A H
I R A R A
N A M I M
A R I R A
H A M A K

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⌐ ⌑ ⌒ ⌓ ⌔ ⌕
⌖ ⌗ ⌘ ⌙ ⌚ ⌛
⌜ ⌝ ⌞ ⌟ ⌠ ⌡
⌢ ⌣ ⌤ ⌥ ⌦ ⌧

$$164=20.8=5.56$$

S A T A N
A M E N A
T E D E T
A N E M A
N A T A S

7 8 9 8 9
8 9 7 9 8
9 7 8 7 9
8 9 7 8 9
9 8 7 8 9

$$165=20.9=7.50$$

L O F I T O S
O R A K I R O
F A R O P I T
I K O N O K I
T I P O R A F
O R I K A R O
S O T I F O L

7 8 9 7 8 9
8 9 7 8 9 7
9 8 7 9 8 7
7 8 9 7 8 7
8 9 7 8 9 8
9 8 7 8 9 7

$$166=20 \cdot 10=7 \cdot 51$$

M I L L A M A
I R U E N E D
L U A M A I S
L E M A L O E
A N A L A E R
M E I O E R U
A D S E R U M

⌵ 7 ⌵ ⌵ ⌵ ⌵ ⌵
7 ⌵ ⌵ 7 ⌵ 7 ⌵
⌵ ⌵ ⌵ ⌵ ⌵ 7 7
⌵ 7 ⌵ ⌵ ⌵ ⌵ 7
⌵ 7 7 7 7 ⌵ ⌵
⌵ ⌵ 7 7 ⌵ ⌵ ⌵

$$167=20 \cdot 11=7 \cdot 52$$

M I G A B A H
I R O D I S A
G O N I M A B
A D I S A K A
B I M A N O G
A S A K O L I
H A B A G I M

⌵ 7 6 ⌵ V ⌵ ⌵
7 ⌵ 7 ⌵ 7 7 ⌵
6 7 ⌵ 7 ⌵ ⌵ V
⌵ ⌵ 7 7 ⌵ ⌵ ⌵
V 7 ⌵ ⌵ ⌵ 7 6
⌵ 7 ⌵ ⌵ 7 ⌵ 7
⌵ ⌵ V ⌵ 6 7 ⌵

$$168=20 \cdot 12=5 \cdot 57$$

G I B O R
I S E R E
B E L E K
O R E A K
R E K K I

ᵁ ᵂ ᵃ ᵄ ᵅ
ᵆ ᵇ ᵈ ᵉ ᵑ
ᵒ ᵓ ᵔ ᵕ ᵖ
ᵗ ᵘ ᵙ ᵚ ᵛ
ᵜ ᵝ ᵞ ᵟ ᵠ

$$169=20 \cdot 13=7 \cdot 53$$

M A K I M O S
A D I R A T E
K I L O T E P
I R O M E N A
M A T E T O L
O T E N O R A
S E P A L A H

ᵁ ᵂ ᵃ ᵄ ᵅ ᵆ ᵇ
ᵈ ᵉ ᵑ ᵒ ᵓ ᵔ ᵕ
ᵖ ᵗ ᵘ ᵙ ᵚ ᵛ ᵜ
ᵝ ᵞ ᵟ ᵠ ᵡ ᵢ ᵣ
ᵤ ᵥ ᵗ ᵘ ᵙ ᵚ ᵛ
ᵜ ᵝ ᵞ ᵟ ᵠ ᵡ ᵢ ᵣ

$$170 = 20.14 = 8.11$$

G	E	B	H	I	R	A	H
E	K	L	O	A	I	R	A
B	U	A	L	G	A	R	A
H	A	I	S	O	P	I	I
I	A	G	O	R	I	A	H
R	U	I	F	I	L	I	B
A	S	U	I	T	A	M	E
H	A	R	I	H	B	E	G

6 7 V 8 9 10 11 12
 13 14 15 16 17 18 19 20
 21 22 23 24 25 26 27 28
 29 30 31 32 33 34 35 36
 37 38 39 40 41 42 43 44
 45 46 47 48 49 50 51 52
 53 54 55 56 57 58 59 60
 61 62 63 64 65 66 67 68
 69 70 71 72 73 74 75 76
 77 78 79 80 81 82 83 84
 85 86 87 88 89 90 91 92
 93 94 95 96 97 98 99 100

$$171 = 20.15 = 7.54$$

N E K A M A H
E P A R A G A
K A S O P I N
A R O L A N I
M A P A L O S
A G I N O S E
H A N I S E B

[illegible]

$$172=20 \cdot 16=7 \cdot 55$$

A P I N I S A
P I R O T I S
I R A M I T I
N O M I M O N
I T I M A R I
S I T O R I P
A S I N I P A

⌘ Ω ∩ ∪ ∩ ∩ ⌘
Ω ∩ ε ∩ ∩ ∩ ∩
∩ ε ⌘ ε ∩ ∩ ∩
∪ ∩ ε ∩ ε ∩ ∪
∩ ∩ ∩ ε ⌘ ε ∩
⌘ ∩ ∩ ∪ ∩ Ω ⌘

$$173=20 \cdot 17=5 \cdot 58$$

N A K A M
A R O T A
K O B A D
A T A R O
M A D O N

∪ ⌘ ∩ ⌘ ε
⌘ ε ∩ ∩ ⌘
∩ ∩ ∪ ⌘ ∩
⌘ ∩ ⌘ ε ∩
ε ⌘ ∩ ∩ ∪

$$174=20 \cdot 18=5 \cdot 59$$

O H I E B
H I A R E
I A M A I
E R A I H
B E I H O

∩ ∩ ∩ ∩ ∪
∩ ∩ ⌘ ε ∩
∩ ⌘ ε ⌘ ∩
∩ ε ⌘ ∩ ∩
∪ ∩ ∩ ∩ ∩

$$175=20 \cdot 19=5 \cdot 60$$

K E L I M
E G I S A
L I R O K
I S O G A
M A K A N

⌘ ⌈ ⌋ ⌈ ⌋
⌈ ⌋ ⌋ ⌈ ⌋
⌋ ⌈ ⌋ ⌋ ⌘
⌈ ⌋ ⌈ ⌋ ⌋ ⌘
⌋ ⌘ ⌘ ⌘ ⌋

$$176=20 \cdot 20=7 \cdot 56$$

K E R A B A H
E M I R U T A
R I S O T U B
A R O G O R A
B U T O S I R
A T U R I M E
H A B A R E K

⌘ ⌈ ⌋ ⌘ ⌋ ⌘ ⌘
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⌘ ⌋ ⌋ ⌋ ⌋ ⌋ ⌋

$$177=21 \cdot 1=5 \cdot 61$$

Z A K E N
A C O G I
K O L E M
E G E R A
N I M A S

⌘ ⌘ ⌘ ⌈ ⌋
⌘ ⌘ ⌋ ⌋ ⌈
⌘ ⌋ ⌋ ⌈ ⌋
⌈ ⌋ ⌋ ⌈ ⌋
⌋ ⌈ ⌋ ⌋ ⌋

$$178=21.2=9.11$$

D I S E K E N A H
 I P O S I M E N A
 S O R A L I T E N
 E S A M I L I M E
 K I L I G I L I K
 E M I L I M A S E
 N E T I L A R O S
 A N E M I S O P I
 H A N E K E S I D

𐤀 𐤌 𐤍 𐤏 𐤓 𐤕 𐤔 𐤕
 𐤌 𐤏 𐤍 𐤍 𐤌 𐤕 𐤕 𐤔
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 𐤕 𐤕 𐤕 𐤕 𐤕 𐤕 𐤕 𐤕

$$179=21.3=5.62$$

B A C U R
 A G O L U
 C O R O L
 U G O L A
 R U C A B

V 𐤔 𐤏 𐤍 𐤕
 𐤔 𐤕 𐤍 𐤕 𐤕
 𐤏 𐤕 𐤕 𐤕 𐤕
 𐤍 𐤕 𐤕 𐤕 𐤕
 𐤕 𐤍 𐤏 𐤔 V

$$180=21.4=7.57$$

I A L I D A H
A R I P A S A
L I G O Z U N
I P O G O N U
D A Z O L I M
A S U N I R E
H A N U M E T

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ᠢ ᠫ ᠣ ᠭ ᠣ ᠨ ᠤ
ᠳ ᠠ ᠵ ᠣ ᠯ ᠢ ᠮ
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ᠬ ᠠ ᠨ ᠤ ᠮ ᠡ ᠲ

$$181=21.5=5.63$$

I O N E C
O R A L E
N A G A N
E L A R O
C E N O I

ᠤ ᠣ ᠨ ᠡ ᠴ
ᠣ ᠷ ᠠ ᠯ ᠡ
ᠨ ᠠ ᠭ ᠠ ᠨ
ᠡ ᠯ ᠠ ᠷ ᠣ
ᠴ ᠡ ᠨ ᠣ ᠢ

$$182=21.6=7.58$$

D I S A K A N
I R O G U L I
S O L I G U M
A G I L A S U
K U G A R O A
A L U S O A P
N I M U A P A

Ɱ 7 7 ✂ Ɓ ✂ Ɔ
7 ɛ 7 6 ʌ ɔ 7
7 7 ɔ 7 6 ʌ ɛ
✂ 6 7 ɔ ✂ 7 ʌ
Ɓ ʌ 6 ✂ ɛ 7 ✂
✂ ɔ ʌ 7 7 ✂ ʌ
Ɔ 7 ɛ ʌ ✂ ʌ ✂

$$183=22.1=7.59$$

G E L A D I M
E R A L A G I
L A M O R U K
A L O S O L A
S A R O M I N
I G U L I S A
M I K A N A H

6 7 ɔ ✂ Ɱ 7 ɛ
7 ɛ ✂ ɔ ✂ 6 7
ɔ ✂ ɛ 7 ɛ ʌ Ɓ
✂ ɔ 7 7 ɔ ✂
7 ✂ ɛ 7 ɛ 7 Ɔ
7 6 ʌ ɔ 7 7 ✂
ɛ 7 Ɓ ✂ Ɔ ✂ ʌ

$$184=22 \cdot 2=7 \cdot 60$$

B E H E M O T
 E R A R I S A
 H A I G O E M
 E R G O S I A
 M I O S A C H
 O S E I C R A
 T A M A H A L

V 7 9 7 E J J
 7 E 3 3 7 7 3
 9 3 7 6 J 7 E
 7 E 6 J 7 7 3
 E 7 J 7 3 B 9
 J 7 7 7 B E 3
 J 3 E 3 9 3 C

$$185=22 \cdot 3=5 \cdot 64$$

C A B E D
 A Z O T E
 B O R O B
 E T O Z A
 D E B A C

B 3 V 7 2
 3 P J J 7
 V J E J V
 7 J J P 3
 2 7 V 3 B

$$186=22.4=7.61$$

M E B U S I M
E R A G A L I
B A R O N A S
U G O G O G U
S A N O R A B
I L A G A R E
M I S U B E M

⌵ 7 V ǎ 7 7 ⌵
7 ⌵ ǎ 6 ǎ ⌵ 7
V ǎ ⌵ 7 7 ǎ 7
ǎ 6 7 6 7 6 ǎ
7 ǎ 7 7 ⌵ ǎ V
7 ⌵ ǎ 6 ǎ ⌵ 7
⌵ 7 7 ǎ V 7 ⌵

$$187=22.5=6.30$$

L E B H A H
E R O A S A
B O K O A H
H A O K O B
A S A O R E
H A H B E L

⌵ 7 V 7 ǎ 7
7 ⌵ 7 ǎ 7 ǎ
V 7 7 7 ǎ 7
7 ǎ 7 7 7 V
ǎ 7 ǎ 7 ⌵ 7
7 ǎ 7 V 7 ⌵

$$188=22.6=7.62$$

G A R A G A R
A R I M A S A
R I L O P A G
A M O Z O M A
G A P O L I R
A S A M I R A
R A G A G A G

6 7 8 7 6 7 8
7 8 7 8 7 7 8
8 7 7 7 8 7 6
7 8 7 7 7 8 7
6 7 8 7 7 7 8
7 7 7 8 7 8 7
8 7 6 7 6 7 6

$$189=23.1=5.65$$

R A U E F
A R G A R
U G I R P
E A R L I
F R P I L

8 7 9 7 7
7 8 6 7 8
9 6 7 8 9
7 7 8 7 7
7 8 9 7 7

$$190=23.2=7.63$$

C O M A H O N
O S A R I N O
M A E G R A L
A R G I L I T
H I R L A E P
O N A I E R I
N O L T P I H

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$$191=23.3=5.66$$

G A G A G
A S O L A
G O M O G
A L O S A
G A G A G

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$$192=23.4=6.31$$

B I N I A N
I I N A S I
N N I R A H
I A R C A R
A S A A T E
N I H C E M

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$$193=24.1=7.64$$

K I K A L I S
I R I N E G I
K I N I M E L
A N I D I N A
L E M I N I K
I G E N I R I
S I L A K I K

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⌈ ⌘ ⌈ ⌘ ⌈ ⌘ ⌘
⌈ ⌈ ⌘ ⌘ ⌘ ⌈ ⌘

$$194=24.2 = 7/65$$

G E N E B A K
E R I K O N A
N I R O F E H
E K O R O K A
B O F O R A B
A N E K A S A
K A H A B A R

⌘ ⌈ ⌘ ⌈ ⌘ ⌘ ⌘
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⌘ ⌘ ⌘ ⌘ ⌘ ⌘
⌘ ⌘ ⌘ ⌘ ⌘ ⌘

$$195=24.3=5.67$$

M O R E H
O L O G E
R O F O R
E G O L O
H E R O M

ε Ͽ ε Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
ε Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ

$$196=24.4=5.68$$

F O N E F
O R A T E
N A G A N
E T A R O
F E N O F

Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ

$$197=24.5=5.69$$

T A L A H
A N I M A
L I G I L
A M I N A
F E N O F

Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ
Ͽ Ͽ Ͽ Ͽ Ͽ

$$198=24.6=9.12$$

G E D E S E L A N
 E R O M E N I S O
 D O R A C U D O M
 E M A G A G A L A
 S E C A B I H A H
 E N U G I R I G A
 L I D A H I S I M
 A S O L A G I T O
 N O M A H A M O N

6 7 2 7 7 7 2 3
 7 8 2 8 7 3 7 2 2
 2 2 8 2 3 3 2 2 8
 7 7 8 2 6 2 2 2 2
 7 7 3 2 2 7 3 2 3
 7 3 2 2 6 7 8 7 2
 2 7 2 2 3 3 7 7 8
 2 2 8 2 3 6 7 2 2
 3 7 2 2 3 6 7 2 2
 3 2 8 2 3 3 2 2 2

$$199=25.1=5.70$$

M A I A M
 A R K O A
 I K I K I
 A O K R A
 M A I A M

8 2 7 2 8
 2 8 3 2 2
 7 3 7 3 7
 2 2 3 8 2
 8 2 7 2 8

$$200=25.2=9.13$$

N A H A R I A M A
 A L O G O M C I M
 H O H A M I R C A
 A G A L U P I M I
 R O M U S U M O R
 I M I P U L A G A
 A C R I M A H O N
 M I C M O G O L A
 A M A I R A H A N

3 4 5 6 7 8 9
 10 11 12 13 14 15 16
 17 18 19 20 21 22 23
 24 25 26 27 28 29 30
 31 32 33 34 35 36 37
 38 39 40 41 42 43 44
 45 46 47 48 49 50 51
 52 53 54 55 56 57 58
 59 60 61 62 63 64 65

$$201=26.1=5.71$$

S A G A R
 A D O N A
 G O R O G
 A N O D A
 R A G A S

1 2 3 4 5
 6 7 8 9 10
 11 12 13 14 15
 16 17 18 19 20
 21 22 23 24 25

$$202=26.2=5.72$$

K A T O K
A G E B O
T E L E T
O B E G A
K O T A K

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$$203=26.3=7.66$$

B A R I A C A
A B A R G A C
R A S A I M A
I R A S O M I
A G I O L I R
C A M M I L A
A C A I R A B

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$$204=26.4=5.73$$

S E G O R
E L A F O
G A S A G
O F A L E
R O G E S

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$$205=26.5=9.14$$

S O H A R A H O S
O R A T I T A R O
H A R U G U R A H
A T U L O L U T A
R I G O G O G I R
A T U L O L U T A
H A R U G U R A H
O R A T I T A R O
S O H A R A H O S

7 2 3 4 5 6 7 2 7
2 5 4 3 6 7 4 5 2
3 4 5 2 6 7 5 4 3
4 3 2 6 7 5 2 3 4
5 2 6 7 5 2 6 7 5
6 7 5 2 6 7 5 2 6
7 2 3 4 5 6 7 2 7

$$206=27.1=5.74$$

H E S E B
E G A L E
S A S A S
E L A G E
B E S E H

3 7 7 7 V
7 6 4 7 7
7 4 7 6 7
V 7 7 7 3

$$207=27.2=9.15$$

K I N I G E S I A
I R A S O G E T I
N A G A R O S E S
I S A L I T O G E
G O R I L I R O G
E G O T I L A S I
S E S O R A G A N
I R E G O S A R I
A I S E G I N I K

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$$208=27.3=7.67$$

K I K A I O N
I L A P E N O
K A L O S E I
A P O K O P A
I E S O L A K
O N E P A L I
N O I A K I K

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$$209=27.4=5.75$$

S E L A C
E M I R A
L I R I L
A R I M E
C A L E S

7 7 C x B
7 E 7 E x
C 7 E 7 C
x E 7 E 7
B x C 7 7

$$210=27.5=7.68$$

A T S A R A H
T O A L I S A
S A T O R I R
A L O G O L A
R I R O T A S
A S I L A O T
H A R A S T A

x 7 7 x E x M
7 7 x C 7 7 x
7 x 7 7 E 7 E
x C 7 7 7 C x
E 7 7 7 7 x 7
x 7 7 C x 7 7
M x E x 7 7 x

$$211=27.6=7.69$$

R O D O N I A
O R A G E S I
D A L O P E N
O G O L O G O
N E P O L A D
I S E G A R O
A I N O D O R

ε Ͽ ϳ Ͽ ϳ Ͽ ϳ
Ͽ ε ϳ Ͽ Ͽ Ͽ Ͽ
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$$212=27.7=7.70$$

A G A M A G A
G U L O S E G
A L I R U S A
M O R I R O M
A S U R I L A
G E S O L U G
A G A M A G A

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$$213=27.8=5.76$$

S E L E G
E P A G E
L A R A L
E G A P E
G E L E S

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$$214=27.9=6.32$$

O L E L A H
L I R A D A
E R I S U L
L A S O M E
A D U M A L
H A L E L O

𐤌 𐤕 𐤒 𐤕 𐤕 𐤕
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$$215=27.10=5.77$$

S O R E K
O B A D E
R A G A R
E D A B O
K E R O S

𐤒 𐤌 𐤕 𐤒 𐤕
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$$216=27 \cdot 11=5 \cdot 78$$

C A I O T
A I G R O
I G I L I
O R L I A
T O I A C

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$$217:27 \cdot 12=5 \cdot 79$$

I A G E B
A Z E R E
G E S E G
E R E Z A
B E G A I

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$$218=27 \cdot 13=7 \cdot 71$$

M E L U N A H
E S O G A L A
L O P O D E N
U G O S O R U
N A D O P O L
A L E R O G E
H A N U L E M

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$$219=27 \cdot 14=9 \cdot 16$$

A K R O P O L I S
 K O I S A N I L I
 R I P O R A T I L
 O S O S U M A N O
 P A R U S U R A P
 O N A M U S O S O
 L I T A R O P I R
 I L I N A S I O K
 S I L O P O R K A

✕ ℬ ε ∟ Ω ∟ ∷ ∟ ∟
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$$220=27 \cdot 15=7 \cdot 72$$

K E K A S I M
 E L I S O N I
 K I N O M I S
 A S O R E G A
 S O M E R A G
 I N I G A S E
 M I S A G E R

ℬ ∟ ℬ ✕ ∟ ∟ ε
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 ∟ ∩ ∟ ∟ ✕ ∟ ε
 ε ∟ ∟ ✕ ∟ ∟ ε

$$221=27 \cdot 16=5 \cdot 80$$

P E R A C
E G A S A
R A M A R
A S A G E
C A R E P

Ω Γ ε ς Β
Γ ς ς ς ς
ε ς ε ς ε
ς Γ ς ς Γ
Β ς ε Γ Ω

$$222=27 \cdot 17=7 \cdot 73$$

D O B E R A H
O R A K I N A
B A L A S I R
E K A L A K E
R I S A L A B
A N I K A R O
H A R E B O D

Ϡ ϭ V Γ ε ς ϭ
ρ ε ς ς Β Γ ϭ ς
V ς ϭ ς ς Γ Γ ε
Γ Β ς ϭ ς Β Γ
ε Γ ς ς ϭ ς V
ς ϭ ς Γ Β ς ε ϭ
ϭ ς ε Γ V ϭ Ϡ

$$223=27 \cdot 18=5 \cdot 81$$

M A K O R
A R I D O
K I L I K
O D I R A
R O K A M

ε ς Β ϭ ε
ς ε Γ Ϡ ϭ
Β Γ ϭ Γ Β
ρ Ϡ Γ ε ς
ε ϭ Β ς ε

$$224=27 \cdot 19=7 \cdot 74$$

M I G I R A S
I R A P I N A
G A D O M I R
I P O K O P I
R I M O D A G
A N I P A R I
S A R A G I M

ε 7 6 7 ε x 7
7 ε x Ω 7 3 x
6 x x 7 ε 7 ε
7 Ω 7 B 7 Ω 7
ε 7 ε 7 x x 6
x 3 7 Ω x ε 7
7 x ε x 6 7 ε

$$225=27 \cdot 20=6 \cdot 33$$

E S A H E L
S U R O D E
A R I L O H
H O L I R A
E D O R U S
L E H A S E

7 7 x 3 7 C
7 a ε 7 x 7
x ε 7 C 7 3
3 7 C 7 ε x
7 x 7 ε a 7
C 7 3 x 7 7

$$226=27 \cdot 21=5 \cdot 82$$

A R I E H
R A B U E
I B O L I
E U L I R
H E I R A

x ε 7 7 3
ε x V a 7
7 V 7 C 7
7 a C 7 ε
3 7 7 ε x

$$227=27.22=7.75$$

L I N I R O S
I P A S A L O
N A C A M A R
I S A G A S I
R A M A C A N
O L A S A P I
S O R I N I L

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$$228=27.33=5.83$$

S A S A S
A R I K A
S I G I S
A K I R A
S A S A S

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$$229=27 \cdot 24=7 \cdot 76$$

K I K I M I S
I L O G E T I
K O R A S E M
I G A R A G I
M E S A R O K
I R E G O L I
S I M I K I K

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$$230=27 \cdot 25=5 \cdot 84$$

P A R A H
A Z O F A
R O M O R
A F O Z A
H A R A P

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$$231=27 \cdot 26=6 \cdot 34$$

A N A K I M
N I P O G I
A P O K O K
K O K O P A
I G O P I N
M I K A N A

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$$232=27.27=5.85$$

R A M A C
A G O R A
M O L O M
A R O G A
C A M A R

ε ϝ ε ϝ Β
ϝ Ϟ Ϟ ε ϝ
ε Ϟ Ϟ Ϟ ε
ϝ ε Ϟ Ϟ ϝ
Β ϝ ε ϝ ε

$$233=27.28=7.77$$

M I D I K O N
I S O L O Z O
D O P O T O K
I L O K O L I
K O T O P O D
O Z O L O S I
N O K I D I M

ε Ϟ ϝ Ϟ Β Ϟ ϝ
Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ
ϝ Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ
Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ
Β Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ
Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ
ϝ Ϟ Ϟ Ϟ Ϟ Ϟ Ϟ

$$234=27 \cdot 29=7 \cdot 78$$

N E S I K E R
 E R A G O Z E
 S A M A T O K
 I S A R A G I
 K O T A M A S
 E Z O G A R E
 R E K I S E N

3 7 7 7 3 7 8
 7 8 9 6 2 3 7
 7 9 8 9 7 2 3
 7 7 9 8 9 6 7
 3 2 7 9 8 9 7
 7 3 2 6 9 8 7
 8 7 3 7 7 7 3

$$235=26 \cdot 30=5 \cdot 86$$

D O B I H
 O P A D I
 B A L A B
 I D A P O
 H I B O D

2 2 5 7 3
 2 3 9 2 7
 5 9 3 9 5
 7 2 9 3 2
 3 7 5 2 2

$$236=27 \cdot 31=7 \cdot 79$$

F U F A L O F
U L A H E S O
F A R O M A L
A H O R O M A
L E M O R I F
O S A M I G U
F O L A F U F

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$$237=27 \cdot 32=7 \cdot 80$$

C A D E S I N
A T I L A T I
D I M O N A S
E L O M E G E
S A N E M U D
I T A G U T A
N I S E D A R

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$$238=27.33=5.87$$

T A N I N
A S E P I
N E G E N
I P E S A
N I N A T

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ㄣ ㊤ ㄣ ㄣ ✂
㊤ ㄣ ㊤ ✂ ノ

$$239=27.34=4.8$$

R E E M
E L Z E
E Z L E
M E E R

ε ㄣ ㄣ ε
ㄣ ㄣ ㄣ ㄣ
ㄣ ㄣ ㄣ ㄣ
ε ㄣ ㄣ ε

$$240=27.35=5.88$$

A I I A H
I U Z E A
I Z O Z I
A E Z U I
H A I I A

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ㄣ ㄣ ㄣ ㄣ ✂
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✂ ㄣ ㄣ ㄣ ㄣ
㊤ ✂ ㄣ ㄣ ✂

$$241=27.36=5.89$$

S U H A L
U G O M A
H O L O H
A M O G U
L A H U S

7 2 3 4 5
2 6 7 8 9
3 7 8 9 4
4 8 9 6 2
5 9 6 7 3

$$242=27.37=7.81$$

G I R I P E S
I P A G O K E
R A Z O T O P
I G O S O G I
P O T O Z A R
E K O G A P I
S E P I R I G

6 7 8 9 10 11
7 9 4 6 10 11
8 4 10 11 12 9
9 6 11 7 10 12
10 12 11 6 4 8
11 10 12 9 7 6

$$243=27.38=5.90$$

A R N E B
R I A M E
N A G A N
E M A I R
B E N R A

4 8 9 10 11
8 10 4 11 12
9 4 11 12 13
10 12 4 13 8
11 13 9 8 4

$$244=27.39=5.91$$

K E L E B
E M A G E
L A G A L
E G A M E
B E L E K

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$$245=28.1=5.92$$

S E G O R
E G A M O
G A Z A G
O M A G E
R O G E S

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$$246=28.2=5.93$$

C E S E P
E G O N E
S O R O S
E N O G E
P E S E C

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$$247=28.3=5.94$$

M A T H A
A I U A H
T U R I T
H A I A A
A H T A M

ℰ ✕ ↗ 3 ✕
✕ 7 2 ✕ 3
↗ 2 8 7 ↗
3 ✕ 7 ✕ ✕
✕ 3 ↗ ✕ ℰ

$$248=28.4=5.95$$

K E S E F
E L A L E
S A R A S
E L A L E
F E S E K

ℬ 7 7 7 ✕
7 7 ✕ 7 7
7 ✕ 8 ✕ 7
7 7 ✕ 7 7
✕ 7 7 7 ℬ

$$249=29.1=7.82$$

M A C A N E H
A R A M O S E
C A R I S O N
A M I L I M A
N O S I R A C
E S O M A R A
H E N A C A M

ℰ ✕ ℬ ✕ 3 7 3
✕ 8 ✕ 7 7 7 7
ℬ ✕ 8 7 7 7 3
✕ ℰ 7 7 7 ✕
3 7 7 7 8 ℬ
3 7 3 ✕ ℬ ✕ ℰ

$$250 = 29.2 = 9.17$$

M A H A R A C A H
A F I S O L E M A
H I R E M U S A C
A S E G A P O L A
R O M A G I S I R
A L I P I L E G A
C E S O S E M E H
A M A L I G E P A
H A C A R A H A M

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 10

$$251=29.3=9.18$$

M E T I S U R A H
E R O G O N I S A
T A R O T I S I R
I G O M E D I N U
S O T E R E T O S
U N I D E M O G I
R I S I T O R A T
A S I N O G A R E
H A R U S I T E M

𐌸 𐌹 𐌺 𐌻 𐌾 𐌿 𐍀 𐍁 𐍂 𐍃 𐍄 𐍅 𐍆 𐍇 𐍈 𐍉 𐍊 𐍋 𐍌 𐍍 𐍎 𐍏 𐍐 𐍑 𐍒 𐍓 𐍔 𐍕 𐍖 𐍗 𐍘 𐍙 𐍚 𐍛 𐍜 𐍝 𐍞 𐍟 𐍠 𐍡 𐍢 𐍣 𐍤 𐍥 𐍦 𐍧 𐍨 𐍩 𐍪 𐍫 𐍬 𐍭 𐍮 𐍯 𐍰 𐍱 𐍲 𐍳 𐍴 𐍵 𐍶 𐍷 𐍸 𐍹 𐍺 𐍻 𐍼 𐍽 𐍾 𐍿 𐎀 𐎁 𐎂 𐎃 𐎄 𐎅 𐎆 𐎇 𐎈 𐎉 𐎊 𐎋 𐎌 𐎍 𐎎 𐎏 𐎐 𐎑 𐎒 𐎓 𐎔 𐎕 𐎖 𐎗 𐎘 𐎙 𐎚 𐎛 𐎜 𐎝 𐎞 𐎟 𐎠 𐎡 𐎢 𐎣 𐎤 𐎥 𐎦 𐎧 𐎨 𐎩 𐎪 𐎫 𐎬 𐎭 𐎮 𐎯 𐎰 𐎱 𐎲 𐎳 𐎴 𐎵 𐎶 𐎷 𐎸 𐎹 𐎺 𐎻 𐎼 𐎽 𐎾 𐎿 𐏀 𐏁 𐏂 𐏃 𐏄 𐏅 𐏆 𐏇 𐏈 𐏉 𐏊 𐏋 𐏌 𐏍 𐏎 𐏏 𐏐 𐏑 𐏒 𐏓 𐏔 𐏕 𐏖 𐏗 𐏘 𐏙 𐏚 𐏛 𐏜 𐏝 𐏞 𐏟 𐏠 𐏡 𐏢 𐏣 𐏤 𐏥 𐏦 𐏧 𐏨 𐏩 𐏪 𐏫 𐏬 𐏭 𐏮 𐏯 𐏰 𐏱 𐏲 𐏳 𐏴 𐏵 𐏶 𐏷 𐏸 𐏹 𐏺 𐏻 𐏼 𐏽 𐏾 𐏿 𐐀 𐐁 𐐂 𐐃 𐐄 𐐅 𐐆 𐐇 𐐈 𐐉 𐐊 𐐋 𐐌 𐐍 𐐎 𐐏 𐐐 𐐑 𐐒 𐐓 𐐔 𐐕 𐐖 𐐗 𐐘 𐐙 𐐚 𐐛 𐐜 𐐝 𐐞 𐐟 𐐠 𐐡 𐐢 𐐣 𐐤 𐐥 𐐦 𐐧 𐐨 𐐩 𐐪 𐐫 𐐬 𐐭 𐐮 𐐯 𐐰 𐐱 𐐲 𐐳 𐐴 𐐵 𐐶 𐐷 𐐸 𐐹 𐐺 𐐻 𐐼 𐐽 𐐾 𐐿 𐑀 𐑁 𐑂 𐑃 𐑄 𐑅 𐑆 𐑇 𐑈 𐑉 𐑊 𐑋 𐑌 𐑍 𐑎 𐑏 𐑐 𐑑 𐑒 𐑓 𐑔 𐑕 𐑖 𐑗 𐑘 𐑙 𐑚 𐑛 𐑜 𐑝 𐑞 𐑟 𐑠 𐑡 𐑢 𐑣 𐑤 𐑥 𐑦 𐑧 𐑨 𐑩 𐑪 𐑫 𐑬 𐑭 𐑮 𐑯 𐑰 𐑱 𐑲 𐑳 𐑴 𐑵 𐑶 𐑷 𐑸 𐑹 𐑺 𐑻 𐑼 𐑽 𐑾 𐑿 𐒀 𐒁 𐒂 𐒃 𐒄 𐒅 𐒆 𐒇 𐒈 𐒉 𐒊 𐒋 𐒌 𐒍 𐒎 𐒏 𐒐 𐒑 𐒒 𐒓 𐒔 𐒕 𐒖 𐒗 𐒘 𐒙 𐒚 𐒛 𐒜 𐒝 𐒞 𐒟 𐒠 𐒡 𐒢 𐒣 𐒤 𐒥 𐒦 𐒧 𐒨 𐒩 𐒪 𐒫 𐒬 𐒭 𐒮 𐒯 𐒰 𐒱 𐒲 𐒳 𐒴 𐒵 𐒶 𐒷 𐒸 𐒹 𐒺 𐒻 𐒼 𐒽 𐒾 𐒿 𐓀 𐓁 𐓂 𐓃 𐓄 𐓅 𐓆 𐓇 𐓈 𐓉 𐓊 𐓋 𐓌 𐓍 𐓎 𐓏 𐓐 𐓑 𐓒 𐓓 𐓔 𐓕 𐓖 𐓗 𐓘 𐓙 𐓚 𐓛 𐓜 𐓝 𐓞 𐓟 𐓠 𐓡 𐓢 𐓣 𐓤 𐓥 𐓦 𐓧 𐓨 𐓩 𐓪 𐓫 𐓬 𐓭 𐓮 𐓯 𐓰 𐓱 𐓲 𐓳 𐓴 𐓵 𐓶 𐓷 𐓸 𐓹 𐓺 𐓻 𐓼 𐓽 𐓾 𐓿 𐔀 𐔁 𐔂 𐔃 𐔄 𐔅 𐔆 𐔇 𐔈 𐔉 𐔊 𐔋 𐔌 𐔍 𐔎 𐔏 𐔐 𐔑 𐔒 𐔓 𐔔 𐔕 𐔖 𐔗 𐔘 𐔙 𐔚 𐔛 𐔜 𐔝 𐔞 𐔟 𐔠 𐔡 𐔢 𐔣 𐔤 𐔥 𐔦 𐔧 𐔨 𐔩 𐔪 𐔫 𐔬 𐔭 𐔮 𐔯 𐔰 𐔱 𐔲 𐔳 𐔴 𐔵 𐔶 𐔷 𐔸 𐔹 𐔺 𐔻 𐔼 𐔽 𐔾 𐔿 𐕀 𐕁 𐕂 𐕃 𐕄 𐕅 𐕆 𐕇 𐕈 𐕉 𐕊 𐕋 𐕌 𐕍 𐕎 𐕏 𐕐 𐕑 𐕒 𐕓 𐕔 𐕕 𐕖 𐕗 𐕘 𐕙 𐕚 𐕛 𐕜 𐕝 𐕞 𐕟 𐕠 𐕡 𐕢 𐕣 𐕤 𐕥 𐕦 𐕧 𐕨 𐕩 𐕪 𐕫 𐕬 𐕭 𐕮 𐕯 𐕰 𐕱 𐕲 𐕳 𐕴 𐕵 𐕶 𐕷 𐕸 𐕹 𐕺 𐕻 𐕼 𐕽 𐕾 𐕿 𐖀 𐖁 𐖂 𐖃 𐖄 𐖅 𐖆 𐖇 𐖈 𐖉 𐖊 𐖋 𐖌 𐖍 𐖎 𐖏 𐖐 𐖑 𐖒 𐖓 𐖔 𐖕 𐖖 𐖗 𐖘 𐖙 𐖚 𐖛 𐖜 𐖝 𐖞 𐖟 𐖠 𐖡 𐖢 𐖣 𐖤 𐖥 𐖦 𐖧 𐖨 𐖩 𐖪 𐖫 𐖬 𐖭 𐖮 𐖯 𐖰 𐖱 𐖲 𐖳 𐖴 𐖵 𐖶 𐖷 𐖸 𐖹 𐖺 𐖻 𐖼 𐖽 𐖾 𐖿 𐗀 𐗁 𐗂 𐗃 𐗄 𐗅 𐗆 𐗇 𐗈 𐗉 𐗊 𐗋 𐗌 𐗍 𐗎 𐗏 𐗐 𐗑 𐗒 𐗓 𐗔 𐗕 𐗖 𐗗 𐗘 𐗙 𐗚 𐗛 𐗜 𐗝 𐗞 𐗟 𐗠 𐗡 𐗢 𐗣 𐗤 𐗥 𐗦 𐗧 𐗨 𐗩 𐗪 𐗫 𐗬 𐗭 𐗮 𐗯 𐗰 𐗱 𐗲 𐗳 𐗴 𐗵 𐗶 𐗷 𐗸 𐗹 𐗺 𐗻 𐗼 𐗽 𐗾 𐗿 𐘀 𐘁 𐘂 𐘃 𐘄 𐘅 𐘆 𐘇 𐘈 𐘉 𐘊 𐘋 𐘌 𐘍 𐘎 𐘏 𐘐 𐘑 𐘒 𐘓 𐘔 𐘕 𐘖 𐘗 𐘘 𐘙 𐘚 𐘛 𐘜 𐘝 𐘞 𐘟 𐘠 𐘡 𐘢 𐘣 𐘤 𐘥 𐘦 𐘧 𐘨 𐘩 𐘪 𐘫 𐘬 𐘭 𐘮 𐘯 𐘰 𐘱 𐘲 𐘳 𐘴 𐘵 𐘶 𐘷 𐘸 𐘹 𐘺 𐘻 𐘼 𐘽 𐘾 𐘿 𐙀 𐙁 𐙂 𐙃 𐙄 𐙅 𐙆 𐙇 𐙈 𐙉 𐙊 𐙋 𐙌 𐙍 𐙎 𐙏 𐙐 𐙑 𐙒 𐙓 𐙔 𐙕 𐙖 𐙗 𐙘 𐙙 𐙚 𐙛 𐙜 𐙝 𐙞 𐙟 𐙠 𐙡 𐙢 𐙣 𐙤 𐙥 𐙦 𐙧 𐙨 𐙩 𐙪 𐙫

$$252=30.1=7.83$$

N E G I N A H
E L E N A L A
G E L A G A N
I N A R A N I
N A G A L E G
A L A N E L E
H A N I G E N

ᠨ ᠡ ᠭ ᠢ ᠨ ᠠ ᠬ
ᠡ ᠯ ᠡ ᠨ ᠠ ᠯ ᠠ
ᠭ ᠡ ᠯ ᠠ ᠭ ᠠ ᠨ
ᠢ ᠨ ᠠ ᠷ ᠠ ᠨ ᠢ
ᠨ ᠠ ᠭ ᠠ ᠯ ᠡ ᠭ
ᠠ ᠯ ᠠ ᠨ ᠡ ᠯ ᠡ
ᠬ ᠠ ᠨ ᠢ ᠭ ᠡ ᠨ

$$253=30.2=7.84$$

M E K O L A H
E R A N O O A
K A S I S O L
O N I M I N O
L O S I S A K
A O O N A R E
H A L O K E M

ᠮ ᠡ ᠬ ᠣ ᠯ ᠠ ᠬ
ᠡ ᠷ ᠠ ᠨ ᠣ ᠣ ᠠ
ᠬ ᠠ ᠰ ᠢ ᠰ ᠣ ᠯ
ᠣ ᠨ ᠢ ᠮ ᠢ ᠨ ᠣ
ᠯ ᠣ ᠰ ᠢ ᠰ ᠠ ᠬ
ᠠ ᠣ ᠣ ᠨ ᠠ ᠷ ᠡ
ᠬ ᠠ ᠯ ᠣ ᠬ ᠡ ᠮ

$$254=30.3=7.85$$

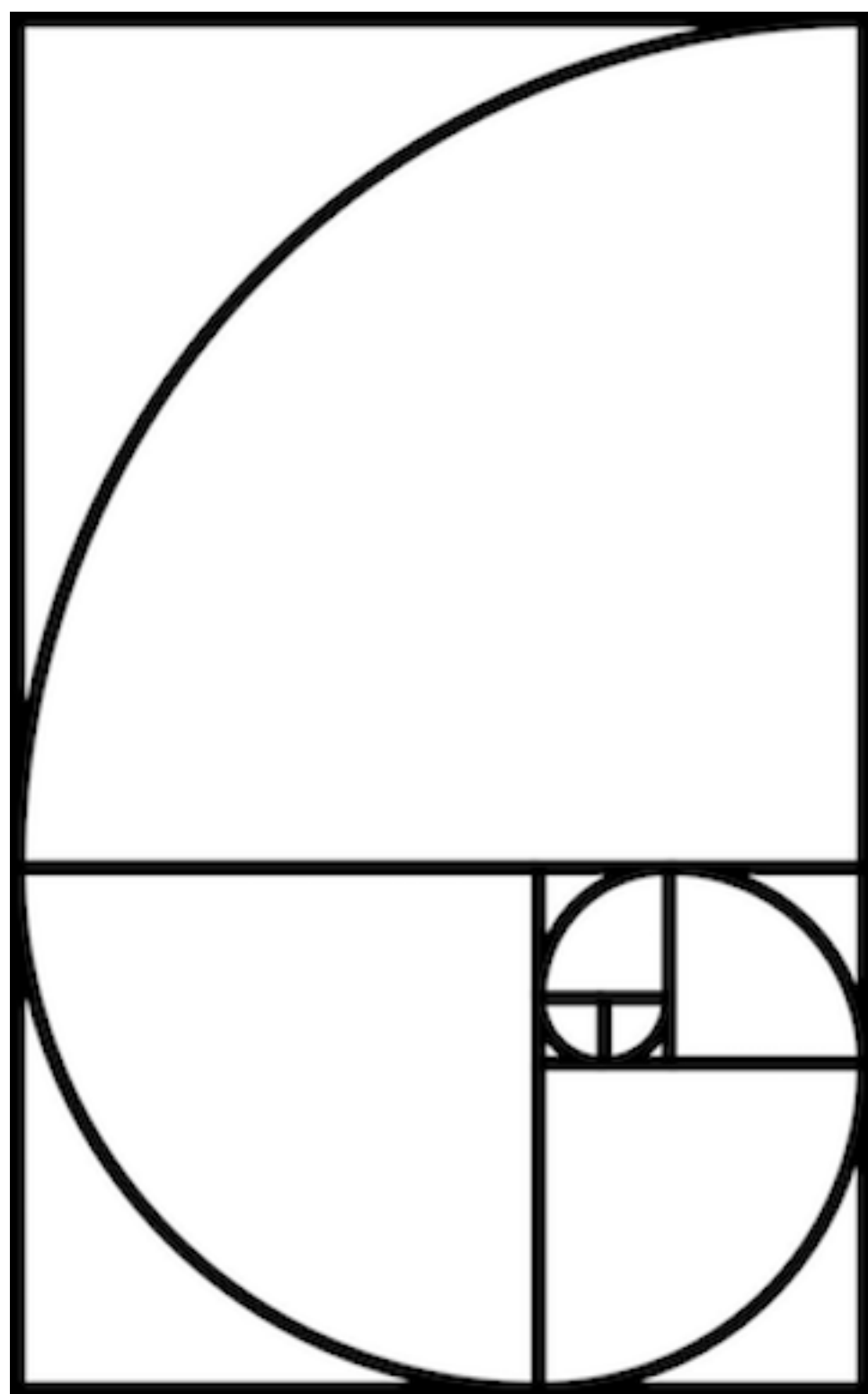
N I G I G I N
 I R O S O R I
 G O M I M O G
 I S I R I S I
 G O M I M O G
 I R O S O R I
 N I G I G I N

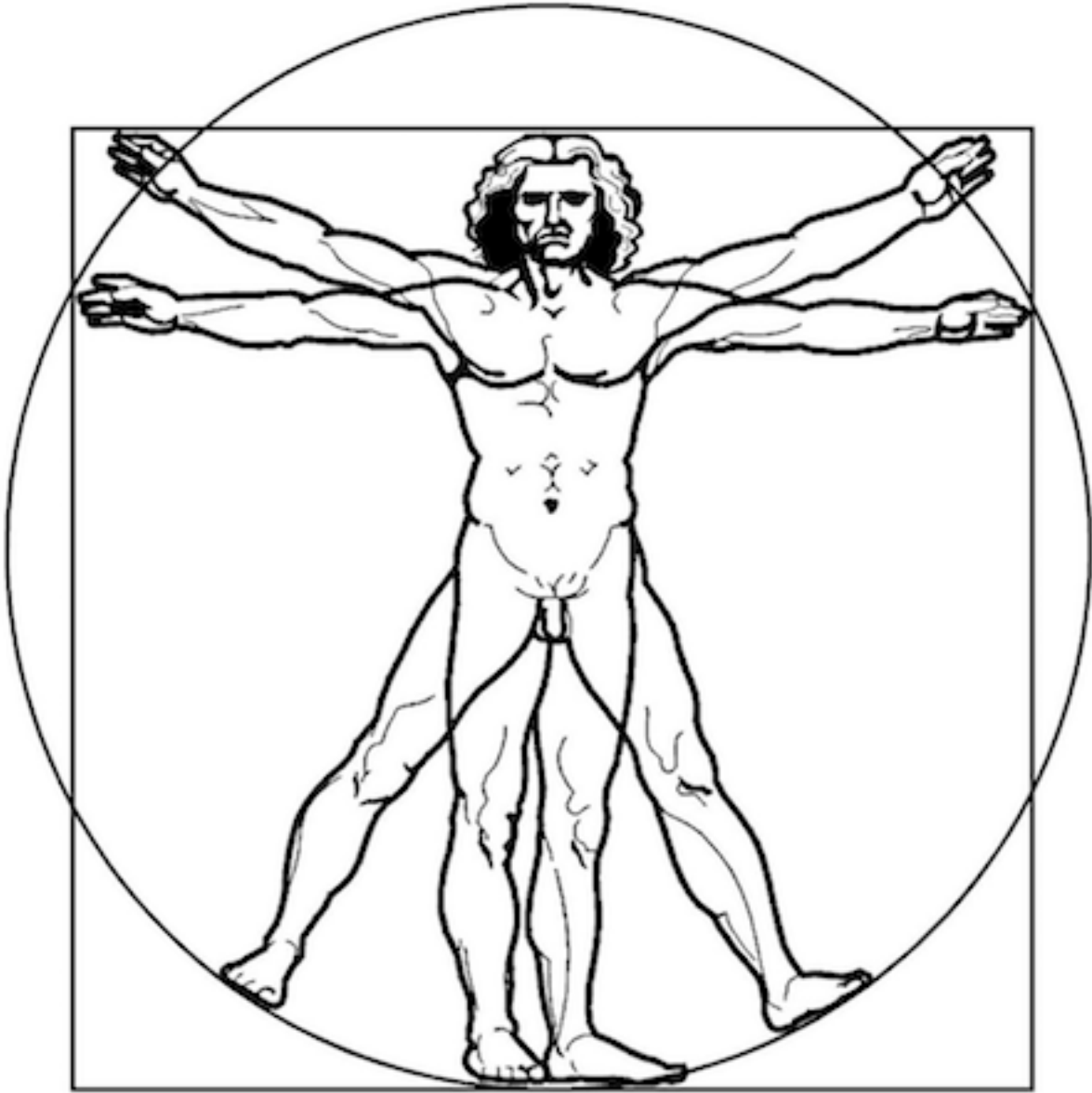
3 7 6 7 6 7 3
 7 8 2 7 2 8 7
 6 2 8 7 8 2 6
 7 7 7 8 7 7 7
 6 2 8 7 8 2 6
 7 8 2 7 2 8 7
 3 7 6 7 6 7 3

$$255=30.4=7.86$$

M E R A S E F
 E P A R U S E
 R A L A P O S
 A R A K I S A
 S U P I N I R
 E S O S I M E
 F E S A R E M

8 7 8 2 7 7 8
 7 9 2 8 2 7 7
 8 2 9 2 9 2 8
 2 8 2 9 2 8 2
 7 9 9 7 9 7 8
 7 7 2 7 7 8 7
 8 7 7 2 8 7 8





“Abramelin In Enochian”

By: Jonathan Barlow Gee

(2021 ed.)