بِسْمِ ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ

In the name of God, Allah,
the Merciful everywhere, the Merciful everywhen

بسم الله ذو الرحمة التي وسعت كل مكان وكل زمان

114

Mathematical Structure of the Quran

Ali Adams
علي عبد الرزاق عبد الكريم القره‌غولي

Letter Valuation Systems

There are thousands of Letter_Value systems. The Quran may be using 7 systems only. Here are just a few of them:

Abjad_Gematria	
ا	1
ب	2
ج	3
د	4
ه	5
و	6
ز	7
ح	8
ط	9
ي	10
ك	20
ل	30
م	40
ن	50
س	60
ع	70
ف	80
ص	90
ق	100
ر	200
ش	300
ت	400
ث	500
خ	600
ذ	700
ض	800
ظ	900
غ	1000

Initials_Frequency	
ا	13
ح	7
ر	6
س	5
ص	3
ط	4
ع	2
ق	2
ك	1
ل	13
م	17
ن	1
ه	2
ي	2

Frequency_Linear	
ا	1
ل	2
ن	3
م	4
ي	5
و	6
ه	7
ر	8
ب	9
ت	10
ك	11
ع	12
ف	13
ق	14
س	15
د	16
ذ	17
ح	18
ج	19
خ	20
ش	21
ص	22
ض	23
ز	24
ث	25
ط	26
غ	27
ظ	28

Alphabet_Primes	
ا	2
ب	3
ت	5
ث	7
ج	11
ح	13
خ	17
د	19
ذ	23
ر	29
ز	31
س	37
ش	41
ص	43
ض	47
ط	53
ظ	59
ع	61
غ	67
ف	71
ق	73
ك	79
ل	83
م	89
ن	97
ه	101
و	103
ي	107

Letter simplification rules based on letter shape (not sound)

From	ى	ىٰ	دٰ	ئ	ةُ	ة	ؤ	أ	إ	ء	ـَ	ـْ	ـٰ	ـُ
To	ي	ي	ي	ي	ي	ه	و	ا	ا	ء				

SUMMARY CARD

Quran = Key + Message
114 chapters = 1 + 113
6236 verses = 7 + 6229

القرءان = الفاتحة + رسالة
114 سورة = 1 + 113
6236 ءاية = 7 + 6229

Key = 7 verses = 29 words =
139 letters + 124 diacritics + 56 dots

الفاتحة = 7 ءايات = 29 كلمة =
139 حرف + 124 حركة + 56 نقطة

139 + 124 = 56th prime = 263

2	3	5	7	11	13	17	19
23	29	31	37	41	43	47	53
59	61	67	71	73	79	83	89
97	101	103	107	109	113	127	131
137	139	149	151	157	163	167	173
179	181	191	193	197	199	211	223
227	229	233	239	241	251	257	263

Diacritics and dots exist before they were written.

AP = Prime number with a prime digit sum.   (313, 3+1+3=7)
XP = Prime number with a non-prime digit sum. (619, 6+1+9=16)
AC = Composite with a composite digit sum.   (114, 1+1+4= 6)
XC = Composite with a non-composite digit sum. (319, 3+1+9=13)

First 7 verses = 29 words
Last 7 verses = 29 words
First 7 words = 29 letters
Last 7 words = 29 letters
7th Additive Prime AP7 = 29

www.qurancode.com

139 + 124 = العدد الأولي الـ 56
فالحركات والنقاط موجودة رياضياً قبل أن تُكتب

قال الإمام علي (ع): القرءان في الفاتحة والفاتحة
في البسملة والبسملة في الباء وأنا النقطة تحت الباء

أبجد علي = 110 وموقع 110 في سورة الفاتحة عليهم

تكرار كلمات اهْدِنَا ٱلصِّرَٰطَ ٱلْمُسْتَقِيمَ = 1   6   5
ءاية 561 في القرءان = وَلَهَدَيْنَٰهُمْ صِرَٰطًا مُّسْتَقِيمًا
في القرءان 1 إمم + 6 إمام + 5 أئمة = 12 إمام
أبجد حروف الـ12 إمام (ع ل ي ح س ن م د ج ف ر ر) = 561

Fermat's Prime
$29 = 4 \times 7 + 1$
$29 = 2^2 + 5^2$
with $2 + 5 = 7$

أول 7 ءايات = 29 كلمة
ءاخر 7 ءايات = 29 كلمة
أول 7 كلمات = 29 حرف
ءاخر 7 كلمات = 29 حرف
سابع عدد أولى ذو مجموع مراتب أولى AP7 = 29

نص حكيم له سر قاطع   صراط علي حق نمسكه

www.heliwave.com

114 ÷ 2	= 57		506 ÷ 2	= 253	
median(1..57) = 29			median(1..253) = 127		
57 × 29	= 1653		253 × 127	= 32131	
where			where		
16th prime	= 53		32nd prime	= 131	

There are **16** primes with prime digit sums up to **114**:
2, 3, 5, 7, 11, 23, 29, 41, 43, 47, 61, 67, 83, 89, 101, 113.

There are **53** composites with composite digit sums up to **114**:
4, 6, 8, 9, 15, 18, 22, 24, 26, 27, 28, 33, 35, 36, 39, 40, 42, 44, 45, 46, 48, 51, 54, 55, 57, 60, 62, 63, 64, 66, 68, 69, 72, 75, 77, 78, 80, 81, 82, 84, 86, 87, 88, 90, 91, 93, 95, 96, 99, 105, 108, 112, 114.

There are **42** primes with non-prime digit sums up to **506**:
13, 17, 19, 31, 37, 53, 59, 71, 73, 79, 97, 103, 107, 109, 127, 149, 163, 167, 181, 211, 233, 239, 251, 257, 271, 277, 293, 307, 347, 349, 367, 383, 389, 419, 431, 433, 439, 457, 479, 491, 499, 503.

There are **131** composites with non-composite digit sums up to **506**:
10, 12, 14, 16, 20, 21, 25, 30, 32, 34, 38, 49, 50, 52, 56, 58, 65, 70, 74, 76, 85, 92, 94, 98, 100, 102, 104, 106, 110, 111, 115, 119, 120, 122, 124, 128, 133, 140, 142, 146, 148, 155, 160, 164, 166, 175, 182, 184, 188, 200, 201, 203, 205, 209, 210, 212, 214, 218, 221, 230, 232, 236, 238, 245, 247, 250, 254, 256, 265, 272, 274, 278, 287, 289, 290, 292, 296, 298, 300, 302, 304, 308, 319, 320, 322, 326, 328, 335, 340, 344, 346, 355, 362, 364, 368, 371, 377, 380, 382, 386, 388, 391, 395, 403, 407, 410, 412, 416, 418, 425, 427, 430, 434, 436, 445, 452, 454, 458, 469, 470, 472, 476, 478, 481, 485, 490, 494, 496, 500, 502, 506.

```
=====================================================================
Mathematical Wonders of the Quran - 114 Amazing Numbers
=====================================================================
```

All praise to Almighty God for everything always.

In 2008, a breakthrough in understanding the structure of the Quran
was born. Prime numbers which are the cornerstone of cryptography
(secret writing) were discovered underlying the structure of the
first chapter of the Quran, named The Opener or The Key (الفاتحة)
and not The Opening or Introduction as widely misunderstood.

The Opener has 7 verses, 29 words and 139 letters all are prime
numbers and their digit sums (7=7, 2+9=11, 1+3+9=13) are prime
numbers too. What's more, 729139 and 139297 are prime numbers with
prime digit sums (7+2+9+1+3+9 = 1+3+9+2+9+7 = 31) too.
The term Additive Prime Number (AP) was born as well as the term
Non-additive Prime Number (XP).

Everything fell into place. At last, the reason why the Quran is
named Al-Quran, why Quran chapters are named Surahs (سورة), and why
God Almighty never challenged us to produce anything below a Surah
is clearly understood.

If the first chapter of the Quran is named The Key then the other
113 chapters are The encrypted Message waiting to be decrypted to
reveal it Inner Text (hidden secrets)!

And the additive prime numbers pattern confirms that:

Book   = Key + Message
114 chapters = 1   + 113   where 113   is additive prime .
6236 verses = 7   + 6229   where 7 and 6229 are additive primes.

Therefore, the Book of Islam is named Al-Quran because it is
Readable despite being encrypted, a Readable Ciphertext!

The Outer Text (القرءان العظيم) gives us all Laws for living out
our life peacefully, while its Inner Text (القرءان الكريم) - when
decrypted by Imam Al-Mehdi (AS) because "None can access it except
the Purified (لا يمسه إلا المطهرون)" - will gives us all Knowledge
for mining Earth's resources to live in abundance and absolute joy.

The word Surah (سورة) is the feminine form of the word Sur (سور)
meaning a Perimeter to protect an inner area. Each chapter is made
up of many verses Or Ayahs (ءاية) of different lengths that act as
variable-length encryption blocks in their chapter where the
positions and distances-to-same of each letter, word, verse are
part of the intertwined Quran's Code. We can finally understand why
God Almighty never challenged us to produce anything below a
chapter! Because a chapter is the Unit of encryption in the Quran!

The Quran has the following verses-per-chapter numbers:

```
   7, 286, 200, 176, 120, 165, 206,  75, 129, 109,
 123, 111,  43,  52,  99, 128, 111, 110,  98, 135,
 112,  78, 118,  64,  77, 227,  93,  88,  69,  60,
  34,  30,  73,  54,  45,  83, 182,  88,  75,  85,
  54,  53,  89,  59,  37,  35,  38,  29,  18,  45,
  60,  49,  62,  55,  78,  96,  29,  22,  24,  13,
  14,  11,  11,  18,  12,  12,  30,  52,  52,  44,
  28,  28,  20,  56,  40,  31,  50,  40,  46,  42,
  29,  19,  36,  25,  22,  17,  19,  26,  30,  20,
  15,  21,  11,   8,   8,  19,   5,   8,   8,  11,
  11,   8,   3,   9,   5,   4,   7,   3,   6,   3,
   5,   4,   5,   6
```

The purpose of this work is to collect verifiable patterns within the above 114 numbers in search for possible relationships between these numbers and the design of our universe.

Prime numbers together with these 114 numbers may contain all required information to control how light rays interact with each other. If true, then these numbers behave like a DNA controlling the creation process of our universe.

At a micro-level, as light rays emanate away from the center of the big bang's singularity point, they spiral clockwise or anticlockwise depending on the primality of their sequence numbers. Prime light rays helicate anticlockwise while composite light rays helicate clockwise. The first light ray (the unit) circulates the big bang center and never propagates away.

At a macro-level, the Quran's 114 verses-per-chapter numbers control the interactions among light rays to create our physical reality as matter (~5%), antimatter (~5%) and dark matter (~19%), while non-interacting light rays stay as dark energy (~71%) that expands space as stated in the Quran:

Quran 51:47 وَٱلسَّمَآءَ بَنَيْنَٰهَا بِأَيْيْدٍ وَإِنَّا لَمُوسِعُونَ
"We indeed have built the heaven with Hands and We are expanding it."

Space expansion continues at an ever-decreasing rate as light rays lose energy to push outwards and come to a stand still and start collapsing back onto themselves in a big crunch as stated in the Quran:

Quran 21:104 يَوْمَ نَطْوِى ٱلسَّمَآءَ كَطَىِّ ٱلسِّجِلِّ لِلْكُتُبِ ۚ كَمَا بَدَأْنَآ أَوَّلَ خَلْقٍ نُّعِيدُهُۥ ۚ وَعْدًا عَلَيْنَآ ۚ إِنَّا كُنَّا فَٰعِلِينَ
"On a day when We will roll up the heaven the way a scriber rolls his scrolls; As We started the first creation, We repeat it. A binding promise, We indeed shall do."

In order to satisfy the Helical Particle Waves theory (Len Gaasenbeek, Canada, 1990) and based on the assumption of the Union Dipole theory (Abdulsalam Al-Mayahi, UK, 2004) that the universe is built upon a single physical constant namely "the Golden ratio", it is proposed by this author that:

Helical wavelength ÷ Helical diameter = Golden ratio (φ)

Thus, the higher the wave frequency, the smaller the helical diameter but never becomes zero.

http://heliwave.com/Reality.html
http://heliwave.com/Helical.Particle.Waves.pdf
http://heliwave.com/UnionDipole.pdf

SUMMARY OF PATTERNS

1. Quran has 114 chapters
   where
       114th prime number = 619
       114   = 6×19
       Chapter 114 has 6 verses

       "Oh Allah, please bring nearer to You Muhammed and the household of Muhammed."
       اللهم صل على محمد وءال محمد has a Frequency_Linear value = 152
       152 = 8×19 where 8th prime = 19

       152 = 74th additive composite
       19th composite = 30
       Quran 74:30 "Guarded by nineteen."

       "There is no god but Allah. Muhammed is the Messenger of Allah."
       لا اله الا الله محمد رسول الله has a Frequency_Linear value = 114
       لا اله الا الله محمد رسول الله has an Abjad_Gematria value = 619

       "There is no god but Allah. Muhammed is the Messenger of Allah.
       Ali is the Patron of Allah."
       لا اله الا الله محمد رسول الله علي ولي الله has a Frequency_4n+1 value = 2×619 = C1034
       where 1034 is the Alphabet_Primes1 value of بسم الله الرحمن الرحيم
       لا اله الا الله محمد رسول الله علي ولي الله has an Abjad_Gematria value = 29×29 = 4×210+1
       where 210 is the Alphabet_Primes1 value of the word محمد

       Total number of letters in the last word of each chapter (114 words) = 619

       There are 13 verses in the Quran whose number = 114.
       The occurrence of letters of "كتاب الله" in them = 619.

       There are 4 verses in the Quran with the word "كتاب".
       The occurrence of letters of "كتاب الله" in them = 114.

2. Quran 74:30 "Guarded by nineteen."
   where
       19   = 8th prime
       19th composite = 8th non-additive composite = 30
       19th additive composite   = 30th composite

       Chapter 67 (19th prime) has 30 (19th composite) verses.

       Allah uses 30 whole numbers in the Quran:
       1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 19, 20, 30, 40, 50, 60, 70,
       80, 99, 100, 200, 300, 1000, 2000, 3000, 5000, 50000 and 100000.

       Allah uses 8 fractions in the Quran:
       1/10, 1/8, 1/6, 1/5, 1/4, 1/3, 1/2 and 2/3.

3. Quran 39:23 "Allah has revealed the best of Sayings; a bi-symmetrical Book, ..."
   where:
   ```
   Sum of chapter numbers      = 6555
   Sum of verses per chapter   = 6236
   There are 57 odd  Chapter+Verse sums
   There are 57 even Chapter+Verse sums
   Sum of odd  Chapter+Verse sums = 6555
   Sum of even Chapter+Verse sums = 6236
   ```

   ```
   Chapter 57 has 29 verses
   where
       57 is half the total number of chapters 114
       29 is the middle number between 1 to 57
       57 × 29 = 1653
       16th prime number = 53
       There are 16 additive prime     chapter numbers
       There are 53 additive composite chapter numbers
   ```

4. Quran Chapter+Verse sums point to the golden ratio (φ) where:
   ```
   d = Sum of duplicate Chapter+Verse sums  = 7906
   u = Sum of unique    Chapter+Verse sums  = 4885
   d ÷ u = 7906 ÷ 4885 = 1.618... ~= φ
   ```

5. Sum of chapter numbers - Sum of verses per chapter =
   ```
                 6555 - 6236                      = 319
   ```

   The first two pages of the Quran = 319 letters (including the hamza of waBil-Aa'khira)
   The first 7 verses on page three = 319 letters (including the hamza of Al-Aa'khir)

   The Alphabet_Primes1 value of the 319th word in chapter 29 = 319
   The Abjad_Gematria   value of the 319th word in chapter 29 = 319

619^114 = 319 digits composite number:

```
1789509417650562035100500719877616330018006587962463016451802860203000075974364 0157607777
4353945912167092182071404326850754028362125360219827299482755964612769560098108 6594257955
3505425726855170865335975451261674958461316938428961438545840455456061590606800 0981851197
8548221537347743658271164279170910759485028876617721
```

   ```
   114 is the 83rd             composite number
   114 is the 53rd     additive-composite number
   319 is the 83rd non-additive composite number
   619 is the 53rd non-additive prime     number
   ```

   Chapter 53 has 62 verses
   Chapter 83 has 36 verses
   The Quran has 6236 verses

   Sum of chapter numbers with Chapter+Verses of 114 = 319
   ```
   ------------------
   C      V      C+V
   ------------------
   15     99     114
   39     75     114
   70     44     114
   88     26     114
   107    7      114
   ------------------
   319    251    570
   ------------------
   ```
   The Alphabet_Prime1 value of Ali (علي) = 251

7. The Abjad_Gematria value of Ali (علي) = 110
   The first occurrence of the text (علي) in the Quran is at position 110
   within the word (عليهم) in chapter 1 (الفاتحة).

8. Letters of chapter The Key = Letters of the names of Ahlul-Bayt (as) = 139

        Chapter 1: The Key
        بسم الله الرحمن الرحيم
        الحمد لله رب العلمين
        الرحمن الرحيم
        ملك يوم الدين
        اياك نعبد واياك نستعين
        اهدنا الصرط المستقيم
        صرط الذين انعمت عليهم غير المغضوب عليهم ولا الضالين

        Names of Ahlul-Bayt (as):
        محمد المصطفى
        علي المرتضى
        فاطمة الزهراء
        حسن المجتبى
        حسين الشهيد
        علي السجاد
        محمد الباقر
        جعفر الصادق
        موسى الكاظم
        علي الرضا
        محمد الجواد
        علي الهادي
        حسن العسكري
        محمد المهدي

9. Sum of word letter positions in chapter The Key =
   Sum of numbers from 1 to number of words in chapter The Key:

        Letter positions in words:
        123 1234 123456 123456
        12345 123 12 1234567
        123456 123456
        123 123 12345
        1234 1234 12345 123456
        12345 12345 12345678
        123 12345 12345 12345 123 1234567 12345 123 1234567

        Sum of letter positions in words:
        1+2+3 1+2+3+4 1+2+3+4+5+6 1+2+3+4+5+6
        1+2+3+4+5 1+2+3 1+2 1+2+3+4+5+6+7
        1+2+3+4+5+6 1+2+3+4+5+6
        1+2+3 1+2+3 1+2+3+4+5
        1+2+3+4 1+2+3+4 1+2+3+4+5 1+2+3+4+5+6
        1+2+3+4+5 1+2+3+4+5 1+2+3+4+5+6+7+8
        1+2+3 1+2+3+4+5 1+2+3+4+5 1+2+3+4+5 1+2+3 1+2+3+4+5+6+7 1+2+3+4+5 1+2+3
        1+2+3+4+5+6+7

        Sum of letter position sums in words:
        6+10+21+21   = 58
        15+6+3+28   = 52
        21+21   = 42
        6+6+15   = 27
        10+10+15+21   = 56
        15+15+36   = 66
        6+15+15+15+6+28+15+6+28   = 134

        Sum 58+52+42+27+56+66+134 = 435
        Sum of numbers from 1 to 29 = 435
        = 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

10. Sum of digital roots of Primalogy values of letters in chapter The Key =
    Number of pages in the Quran = 604

```
----------           107   8       79   7           5    5
Value Root            97   7       97   7           61   7
----------           2    2        37   1           83   2
3    3               83   2        5    5           107  8
37   1               29   2        61   7           101  2
89   8               13   4        107  8           89   8
2    2               89   8        97   7           67   4
83   2               97   7        2    2           107  8
83   2               2    2        101  2           29   2
101  2               83   2        19   1           2    2
2    2               29   2        97   7           83   2
83   2               13   4        2    2           89   8
29   2               107  8        2    2           67   4
13   4               89   8        83   2           47   2
89   8               89   8        43   7           103  4
97   7               83   2        29   2           3    3
2    2               79   7        53   8           61   7
83   2               107  8        2    2           83   2
29   2               103  4        83   2           107  8
13   4               89   8        89   8           101  2
107  8               2    2        37   1           89   8
89   8               83   2        5    5           103  4
2    2               19   1        73   1           83   2
83   2               107  8        107  8           2    2
13   4               97   7        89   8           2    2
89   8               2    2        43   7           83   2
19   1               107  8        29   2           47   2
83   2               2    2        53   8           2    2
83   2               79   7        2    2           83   2
101  2               97   7        83   2           107  8
29   2               61   7        23   5           97   7
3    3               3    3        107  8           ----------
2    2               19   1        97   7           8317 604
83   2               103  4        2    2           ----------
61   7               2    2        97   7
83   2               107  8        61   7           Quran Pages = 604
89   8               2    2        89   8
```

DEFINITIONS

Division by 1 does not split a number into smaller parts and is therefore redundant.
This is why number 1 is not prime because it is indivisible. It is the Unit.

```
The Unit               {U}   = Whole number that is indivisible.
Prime number           {P}   = Whole number that is divisible by itself only.
Additive Prime         {AP}  = Prime with a prime digit sum.
Non-additive Prime     {XP}  = Prime with a non-prime digit sum.
Composite number       {C}   = Whole number that is divisible by itself and others.
Additive Composite     {AC}  = Composite with a composite digit sum.
Non-additive Composite {XC}  = Composite with a non-composite digit sum.
 {U}  = 1
 {P}  = 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, ...
{AP}  = 2, 3, 5, 7, 11,            23, 29,         ...
{XP}  =              13, 17, 19,         31, 37, ...
 {C}  = 4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 22, 24, 25, ...
{AC}  = 4, 6, 8, 9,            15,      18,        22, 24,     ...
{XC}  =             10, 12, 14,      16,      20, 21,       25, ...
```

Semiprime   = composite with two prime divisors.

Sphenic number = composite with three distinct prime divisors.

Digit sum   = the sum of all digits of a number.
    ds(8317)   = 8+3+1+7 = 19
    Excel formula: =SUM(INDEX(1*(MID(A2,ROW(INDIRECT("1:"&LEN(A2))),1)),,))

Digital root   = the final single digit sum of recursive digit sums = 1+[N-1(mod 9)].
    dr(8317)   = 1 because 8+3+1+7=19, 1+9=10, 1+0=1
    Excel formula: =IF(AND(MOD(A2,9)=0;A2>=9);9;MOD(A2,9))

Divisors: All divisors of a number.   [25 divisors are 1, 5, 25]

Proper Divisors: All divisors of a number except itself. [25 proper divisors are 1, 5]

Abundant Number: {AB}   Sum of proper divisors > number
[12 proper divisors are 1, 2, 3, 4 and 6]
[12 = AB1 with sum of proper divisors = 1+2+3+4+6 = 16]

Perfect Number: {PF}   Sum of proper divisors = number
[28 proper divisors are 1, 2, 4, 7 and 14]
[28 = PF2 with sum of proper divisors = 1+2+4+7+14 = 28]

Deficient Number: {DF}   Sum of proper divisors < number
[25 proper divisors are 1 and 5]
[25 = DF20 with sum of proper divisors = 1+5 = 6]

Amicable Number: {AM}
Sum of proper divisors of number A = number B and
Sum of proper divisors of number B = number A.
Sum of proper divisors of 220 = 1+2+4+5+10+11+20+22+44+55+110 = 284
Sum of proper divisors of 284 = 1+2+4+71+142   = 220
http://en.wikipedia.org/wiki/Amicable_numbers

{Co} =   Coprime or Relatively prime numbers are numbers with no common prime
divisors.
Two numbers are coprime if their Greatest Common Divisor = 1.
        14 and 55 are coprimes because GCD(14, 55) = 1.
        14 divisors are 1, 2, 7, 14
        55 divisors are 1, 5, 11, 55

QURAN SYMMETRY

First 7 verses = 29 words
بـسم الله الـرحمن الـرحيم
الـحمد لله رب الـعلمين
الـرحمن الـرحيم
مـلك يـوم الـدين
ايـاك نـعبد وايـاك نـستعين
اهدنا الصرط الـمستقيم
صرط الـذيـن انـعمت عليـهم غيـر الـمغضوب عليـهم ولا الـضالـين

First 7 words = 29 letters
بـسم الله الـرحمن الـرحيم
الـحمد لله رب

Last 7 verses = 29 words
ومـن شر حاسد اذا حسد
بـسم الله الـرحمن الـرحيم قل اعوذ بـرب الـناس
مـلك الـناس
الـه الـناس
مـن شر الـوسواس الخنـاس
الـذي يـوسوس فـي صدور الـنـاس
مـن الـجنه والـنـاس

Last 7 words = 29 letters
يـوسوس فـي صدور الـنـاس
مـن الـجنه والـنـاس

where 29 is the 7th additive prime number
where 29 is the 7th additive prime number
and   29 is a Fermat's prime of the form $4n+1 = a^2 + b^2$ where $n = 7$ and $a+b = 2+5 = 7$

There are 79940 ways to choose 7 words with 29 letters from the first 7 verses and
402897600 ways of choosing 7 ordered words with 29 letters from the first 7 verses.
Chapter 1 The Key is also called "The Mother of the Book" so these different ways each
produce a word from the Quran.

The only known prime repunit (repeated units) numbers are:
11,
1111111111111111111,
11111111111111111111111,
11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111
11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111
11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111
1111111111111111111111111111111111111111111111111111111111,
...
with 2, 19, 23, 317, 1031, 49081, 86453, 109297 and 270343 "1" digits.
See http://oeis.org/A004023

The first 7 verses of the Quran use 109 letters of verse 1's (bismAllah) letters.
The last 7 verses of the Quran use 109 letters of chapter 1's (Fatiha) letters.
The 8th prime repunit has 109297 digits of "1"s.

SPECIAL NUMBERS

```
{ 7, 29, 139 }
  Quran's chapter 1 (The Opener) has 7 verses, 29 words and 139 letters.
  All are primes with prime digit sums (7=7, 2+9=11, 1+3+9=13).
  Left-to-right concatenation (729139) and right-to-left concatenation (139297)
  are also primes with a prime digit sum (7+2+9+1+3+9=31).

  The digit sums 7, 11, 13 are consecutive primes as identified Dr Haifeng Xu and
  Zuyi Zhang, Mathematics Department, Yangzhou University, China.
  { 7, 29, 139 } is the first triplet in a series with such properties and was named
  the "Quran Triplet" series by Dr Xu http://www.researchgate.net/profile/Haifeng_Xu3

  Quran        = Key + Message
  114 chapters =  1  +   113
  6236 verses  =  7  +  6229
  where:
  113, 7 and 6229 are primes with prime digit sums.

{ 5, 17, 41 }
  Dr. Waleed Mohammed, School of Engineering, Bangkok University, Thailand has identified
  three prime numbers equal to the sum of prime numbers from 2 up to their indices.
  http://oeis.org/A260981

   5 = P3  = 2+3
  17 = P7  = 2+3+5+7
  41 = P13 = 2+3+5+7+11+13

{ 1, 6, 9 }
  169 = 13×13  [square number]
  196 = 14×14  [square number]
  619 = P114   [6×19 = 114]
  691 = P125   [125 = 5×5×5 cubic number]
  916 = 4×229  [229 4-chapter groups with chapter sum = 229 and verse sum = 229]
  961 = 31×31  [square number]

{ 114, 506 }
 114 ÷ 2  = 57
 median(1...57) = 29
           57  × 29 = 1653
                  P16 = 53
 There are 16 additive     primes up to 114
 There are 53 additive composites up to 114

 506 ÷ 2  = 253
 median(1...253) = 127
           253  × 127 = 32131
                    P32 = 131
 There are  42 non-additive primes     up to 506 (10 primes have digit sum = 10)
 There are 131 non-additive composites up to 506

 P114      = 619
 114 + 506 = 620
 C506      = 621

 AP319     = P621

 XC114 + AC114 - C114  =  506
   436 +   220 -  150  =  506

 XC506 - AC506 - C506  = XC114
  1943 -   886 -  621  =   436
```

{ 19, 81 }

```
  -------------------------------------------------------------------------------
  N   Total                     -/+ Factorial Series Sum
  -------------------------------------------------------------------------------
  01  1                         =                                                1!
  02  1                         =                                             2!-1!
  03  7                         =                                          3!+2!-1!
  04  19                        =                                       4!-3!+2!-1!
  05  139                       =                                    5!+4!-3!+2!-1!
  06  619                       =                                 6!-5!+4!-3!+2!-1!
  07  5659                      =                              7!+6!-5!+4!-3!+2!-1!
  08  35899                     =                           8!-7!+6!-5!+4!-3!+2!-1!
  09  398779                    =                        9!+8!-7!+6!-5!+4!-3!+2!-1!
  10  3301819                   =                    10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  11  43218619                  =                 11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  12  442386619                 =             12!-11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  13  6669407419                =          13!+12!-11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  14  81393657019               =       14!-13!+12!-11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  15  1389068025019             =    15!+14!-13!+12!-11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  16  19696509177019            = 16!-15!+14!-13!+12!-11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  17  375383937273019           = 17!+16!-15!+14!-13!+12!-11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  18  6066382786809019          = 18!-17!+16!-15!+14!-13!+12!-11!+10!-9!+8!-7!+6!-5!+4!-3!+2!-1!
  19  127711483195641019        = 19!+18!-17!+16!-15!+14!-13!+12!-11!+10!-9!+8!-7!+6!-5!+4!-
3!+2!-1!
  -------------------------------------------------------------------------------
  For N >= 10, the Series Sum ends in 19.
  -------------------------------------------------------------------------------


  -------------------------------------------------------------------------------
  M   Total                     +/- Factorial Series Sum
  -------------------------------------------------------------------------------
  01  1                         =                                                1!
  02  3                         =                                             2!+1!
  03  5                         =                                          3!-2!+1!
  04  29                        =                                       4!+3!-2!+1!
  05  101                       =                                    5!-4!+3!-2!+1!
  06  821                       =                                 6!+5!-4!+3!-2!+1!
  07  4421                      =                              7!-6!+5!-4!+3!-2!+1!
  08  44741                     =                           8!+7!-6!+5!-4!+3!-2!+1!
  09  326981                    =                        9!-8!+7!-6!+5!-4!+3!-2!+1!
  10  3955781                   =                    10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  11  36614981                  =                 11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  12  515616581                 =             12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  13  5784634181                =          13!-12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  14  92962925381               =       14!+13!-12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  15  1226280710981             =    15!-14!+13!-12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  16  22149070598981            = 16!+15!-14!+13!-12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  17  335990918918981           = 17!-16!+15!-14!+13!-12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  18  6738364624646981          = 18!+17!-16!+15!-14!+13!-12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-2!+1!
  19  115578717622022981        = 19!-18!+17!-16!+15!-14!+13!-12!+11!-10!+9!-8!+7!-6!+5!-4!+3!-
2!+1!
  -------------------------------------------------------------------------------
  For M >= 9, the Series Sum ends in 81.
  -------------------------------------------------------------------------------
```

  Note 1: M + N
         9 + 10 = 19

      The first verse in the Quran consists of 19 letters and uses 10 unique letters.
      It starts all chapters of the Quran except chapter 9.

  Note 2: M ending + N ending
      19+81 =   100
      19×81 = 1539 = Alphabet_Primes1 value of the first 7 words in the Quran.
      بِسْمِ ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
      ٱلْحَمْدُ لِلَّهِ رَبِّ

THE PATTERNS

Chapter-Verse Sums

Name	Chapter	Verses	Sum	Even Sum	Odd Sum
الفاتحة	1	7	8	8	
البقرة	2	286	288	288	
آل عمران	3	200	203		203
النساء	4	176	180	180	
المائدة	5	120	125		125
الأنعام	6	165	171		171
الأعراف	7	206	213		213
الأنفال	8	75	83		83
التوبة	9	129	138	138	
يونس	10	109	119		119
هود	11	123	134	134	
يوسف	12	111	123		123
الرعد	13	43	56	56	
ابراهيم	14	52	66	66	
الحجر	15	99	114	114	
النحل	16	128	144	144	
الإسراء	17	111	128	128	
الكهف	18	110	128	128	
مريم	19	98	117		117
طه	20	135	155		155
الأنبياء	21	112	133		133
الحج	22	78	100	100	
المؤمنون	23	118	141		141
النور	24	64	88	88	
الفرقان	25	77	102	102	
الشعراء	26	227	253		253
النمل	27	93	120	120	
القصص	28	88	116	116	
العنكبوت	29	69	98	98	
الروم	30	60	90	90	
لقمان	31	34	65		65
السجدة	32	30	62	62	
الأحزاب	33	73	106	106	
سبإ	34	54	88	88	
فاطر	35	45	80	80	
يس	36	83	119		119
الصافات	37	182	219		219
ص	38	88	126	126	
الزمر	39	75	114	114	
غافر	40	85	125		125
فصلت	41	54	95		95
الشورى	42	53	95		95
الزخرف	43	89	132	132	
الدخان	44	59	103		103
الجاثية	45	37	82	82	
الأحقاف	46	35	81		81
محمد	47	38	85		85
الفتح	48	29	77		77
الحجرات	49	18	67		67
ق	50	45	95		95
الذاريات	51	60	111		111
الطور	52	49	101		101
النجم	53	62	115		115
القمر	54	55	109		109
الرحمن	55	78	133		133
الواقعة	56	96	152	152	
الحديد	57	29	86	86	
المجادلة	58	22	80	80	
الحشر	59	24	83		83
الممتحنة	60	13	73		73
الصف	61	14	75		75

الاسم					
الجمعة	62	11	73		73
المنافقون	63	11	74	74	
التغابن	64	18	82	82	
الطلاق	65	12	77		77
التحريم	66	12	78	78	
الملك	67	30	97		97
القلم	68	52	120	120	
الحاقة	69	52	121		121
المعارج	70	44	114	114	
نوح	71	28	99		99
الجن	72	28	100	100	
المزمل	73	20	93		93
المدثر	74	56	130	130	
القيامة	75	40	115		115
الانسان	76	31	107		107
المرسلات	77	50	127		127
النبإ	78	40	118	118	
النازعات	79	46	125		125
عبس	80	42	122	122	
التكوير	81	29	110	110	
الإنفطار	82	19	101		101
المطففين	83	36	119		119
الإنشقاق	84	25	109		109
البروج	85	22	107		107
الطارق	86	17	103		103
الأعلى	87	19	106	106	
الغاشية	88	26	114	114	
الفجر	89	30	119		119
البلد	90	20	110	110	
الشمس	91	15	106	106	
الليل	92	21	113		113
الضحى	93	11	104	104	
الشرح	94	8	102	102	
التين	95	8	103		103
العلق	96	19	115		115
القدر	97	5	102	102	
البينة	98	8	106	106	
الزلزلة	99	8	107		107
العاديات	100	11	111		111
القارعة	101	11	112	112	
التكاثر	102	8	110	110	
العصر	103	3	106	106	
الهمزة	104	9	113		113
الفيل	105	5	110	110	
قريش	106	4	110	110	
الماعون	107	7	114	114	
الكوثر	108	3	111		111
الكافرون	109	6	115		115
النصر	110	3	113		113
المسد	111	5	116	116	
الإخلاص	112	4	116	116	
الفلق	113	5	118	118	
الناس	114	6	120	120	
-------	------	------	------	------	------
Count	114	114	114	57	57
-------	------	------	------	------	------
Sum	6555	6236	12791	6236	6555
-------	------	------	------	------	------

Pattern 1: Number of even sums = number of odd sums = 57

Pattern 2: Sum of chapter numbers = sum of odd sums = 6555

Pattern 3: Sum of verses per chapter = sum of even sums = 6236

Pattern 4: Sum of all C+V sums = 12791 = 786th non-additive prime = Abjad_Gematria value of Quran 1:1 "بسم الله الرحمن الرحيم".

  Note 1: There are 786 verses with prime Abjad_Gematria values.

Pattern 5a: Sum of duplicate C+V sums = 7906
            Sum of unique   C+V sums = 4885
            Golden ratio (φ)   ~= 7906 ÷ 4885

```
                -----------------------------
                             Duplicate Unique
        C       V       C+V     C+V
                -----------------------------
        1       7               8
        2       286             288
        3       200             203
        4       176             180
        5       120     125
        6       165             171
        7       206             213
        8       75      83
        9       129             138
        10      109     119
        11      123             134
        12      111             123
        13      43              56
        14      52              66
        15      99      114
        16      128             144
        17      111     128
        18      110     128
        19      98              117
        20      135             155
        21      112     133
        22      78      100
        23      118             141
        24      64      88
        25      77      102
        26      227             253
        27      93      120
        28      88      116
        29      69              98
        30      60              90
        31      34              65
        32      30              62
        33      73      106
        34      54      88
        35      45      80
        36      83      119
        37      182             219
        38      88              126
        39      75      114
        40      85      125
        41      54      95
        42      53      95
        43      89              132
        44      59      103
        45      37      82
        46      35              81
        47      38              85
        48      29      77
        49      18              67
        50      45      95
        51      60      111
        52      49      101
        53      62      115
        54      55      109
        55      78      133
        56      96              152
        57      29              86
        58      22      80
        59      24      83
        60      13      73
        61      14              75
        62      11      73
```

```
63      11              74
64      18      82
65      12      77
66      12              78
67      30              97
68      52      120
69      52              121
70      44      114
71      28              99
72      28      100
73      20              93
74      56              130
75      40      115
76      31      107
77      50              127
78      40      118
79      46      125
80      42              122
81      29      110
82      19      101
83      36      119
84      25      109
85      22      107
86      17      103
87      19      106
88      26      114
89      30      119
90      20      110
91      15      106
92      21      113
93      11              104
94      8       102
95      8       103
96      19      115
97      5       102
98      8       106
99      8       107
100     11      111
101     11              112
102     8       110
103     3       106
104     9       113
105     5       110
106     4       110
107     7       114
108     3       111
109     6       115
110     3       113
111     5       116
112     4       116
113     5       118
114     6       120
        ------------------------------
Sum  6555   6236   7906   4885
        ------------------------------

        Duplicate C+V ÷ Unique C+V
        7906         ÷ 4885   = 1.61842374616171954964417604912999...
        golden ratio (φ)      = 1.61803398874989484820458683436556...
             difference       = 0.00038975741182470143717365693443...
             error           ~= 0.0241%
        http://en.wikipedia.org/wiki/Golden_ratio
```

Pattern 5b: Chapters with repunit (11 or 111) verses points to the golden ratio (φ)
           Sum of chapter numbers   = 448
           Sum of verses per chapter = 277
           Golden ratio (φ)   ~= 448 ÷ 277

```
       -------------
       C     V
       -------------
       12    111
       17    111
       62    11
       63    11
       93    11
       100   11
       101   11
       -------------
  Sum  448   277
       -------------
```

        Sum of chapters ÷ Sum of verses
        448   ÷ 277   = 1.617328519855559566787003610108300...
        golden ratio (φ)   = 1.618033988749894848204586834365600...
             difference   = -0.000705468894299180334550733282600...
             error   ~= -0.0436%
        http://en.wikipedia.org/wiki/Golden_ratio

  Note 1: φ = helical wavelength ÷ helical diameter

          This equation is proposed by Ali Adams as the foundation for Helical Particle
          Waves theory by Len Gaasenbeek and is supported by the Union Dipole theory by
          Abdulsalam Al-Mayahi which proposed that all physical constants in nature
          are based up on the golden ratio.

Pattern 6a: Sum of C×V products = 209029 = 18721th prime = 11169th non-additive prime

```
       ----------------------
       C     V     C×V
       ----------------------
       1     7     7
       2     286   572
       3     200   600
       4     176   704
       5     120   600
       6     165   990
       7     206   1442
       8     75    600
       9     129   1161
       10    109   1090
       11    123   1353
       12    111   1332
       13    43    559
       14    52    728
       15    99    1485
       16    128   2048
       17    111   1887
       18    110   1980
       19    98    1862
       20    135   2700
       21    112   2352
       22    78    1716
       23    118   2714
       24    64    1536
       25    77    1925
       26    227   5902
       27    93    2511
       28    88    2464
       29    69    2001
       30    60    1800
       31    34    1054
       32    30    960
```

```
        33    73    2409
        34    54    1836
        35    45    1575
        36    83    2988
        37   182    6734
        38    88    3344
        39    75    2925
        40    85    3400
        41    54    2214
        42    53    2226
        43    89    3827
        44    59    2596
        45    37    1665
        46    35    1610
        47    38    1786
        48    29    1392
        49    18    882
        50    45    2250
        51    60    3060
        52    49    2548
        53    62    3286
        54    55    2970
        55    78    4290
        56    96    5376
--->    57    29    1653   <--- Pivot chapter
        58    22    1276
        59    24    1416
        60    13    780
        61    14    854
        62    11    682
        63    11    693
        64    18    1152
        65    12    780
        66    12    792
        67    30    2010
        68    52    3536
        69    52    3588
        70    44    3080
        71    28    1988
        72    28    2016
        73    20    1460
        74    56    4144
        75    40    3000
        76    31    2356
        77    50    3850
        78    40    3120
        79    46    3634
        80    42    3360
        81    29    2349
        82    19    1558
        83    36    2988
        84    25    2100
        85    22    1870
        86    17    1462
--->    87    19    1653   <--- Support chapter
        88    26    2288
        89    30    2670
        90    20    1800
        91    15    1365
        92    21    1932
        93    11    1023
        94     8    752
        95     8    760
        96    19    1824
        97     5    485
        98     8    784
        99     8    792
       100    11    1100
       101    11    1111
       102     8    816
```

```
      103   3      309
      104   9      936
      105   5      525
      106   4      424
      107   7      749
      108   3      324
      109   6      654
      110   3      330
      111   5      555
      112   4      448
      113   5      565
      114   6      684
      --------------------
   Sum 6555  6236  209029
      --------------------
```

    Note 1: The 20th abundant number = 90 where Chapter 90 has 20 verses.

Pattern 6b: sum of duplicate C×V products = 17826   = d
            sum of unique   C×V products = 191203   = u
            right unit triangle had a boundary   = b = 1 + 1 + sqrt(2)
            circle ratio (π)   ~= (u÷d) ÷ b

```
         ------------------------------
                  Duplicate Unique
         C      V      C×V    C×V
         ------------------------------
         1      7              7
         2      286            572
         3      200    600
         4      176            704
         5      120    600
         6      165            990
         7      206            1442
         8      75     600
         9      129            1161
         10     109            1090
         11     123            1353
         12     111            1332
         13     43             559
         14     52             728
         15     99             1485
         16     128            2048
         17     111            1887
         18     110            1980
         19     98             1862
         20     135            2700
         21     112            2352
         22     78             1716
         23     118            2714
         24     64             1536
         25     77             1925
         26     227            5902
         27     93             2511
         28     88             2464
         29     69             2001
         30     60     1800
         31     34             1054
         32     30             960
         33     73             2409
         34     54             1836
         35     45             1575
         36     83     2988
         37     182            6734
         38     88             3344
         39     75             2925
         40     85             3400
         41     54             2214
         42     53             2226
```

43	89		3827
44	59		2596
45	37		1665
46	35		1610
47	38		1786
48	29		1392
49	18		882
50	45		2250
51	60		3060
52	49		2548
53	62		3286
54	55		2970
55	78		4290
56	96		5376
57	29	1653	
58	22		1276
59	24		1416
60	13	780	
61	14		854
62	11		682
63	11		693
64	18		1152
65	12	780	
66	12	792	
67	30		2010
68	52		3536
69	52		3588
70	44		3080
71	28		1988
72	28		2016
73	20		1460
74	56		4144
75	40		3000
76	31		2356
77	50		3850
78	40		3120
79	46		3634
80	42		3360
81	29		2349
82	19		1558
83	36	2988	
84	25		2100
85	22		1870
86	17		1462
87	19	1653	
88	26		2288
89	30		2670
90	20	1800	
91	15		1365
92	21		1932
93	11		1023
94	8		752
95	8		760
96	19		1824
97	5		485
98	8		784
99	8	792	
100	11		1100
101	11		1111
102	8		816
103	3		309
104	9		936
105	5		525
106	4		424
107	7		749
108	3		324
109	6		654
110	3		330
111	5		555
112	4		448

```
        113    5              565
        114    6              684
        ------------------------------
        Sum              17826 191203
        ------------------------------
```

Unique C×V ÷ Duplicate C×V
```
        191203     ÷ 17826                   = 10.726074273533041624593290698979...

        Right Unit Triangle base          = 1
        Right Unit Triangle height        = 1
        Right Unit Triangle hypotenuse    = sqrt(2)
        Right Unit Triangle boundary      = (1 + 1 + sqrt(2))

        (191203 ÷ 17826) ÷ (1 + 1 + sqrt(2)) = 3.1415944192072564620209444313063...
        circle ratio (π)                     = 3.1415926535897932384626433832795...
            difference                       = 0.0000017656174632235583010480268...
            error                           ~= 0.0000562%
        See http://heliwave.com/pi.xls
```

Note 1: 1 + sqrt(2) is called the silver ratio.
        See http://en.wikipedia.org/wiki/Silver_ratio

Pattern 7a: The ratio of unique to duplicate bV sums ~= Euler's number (e)
        bV is backward verses so chapter 1 gets verses of chapter 114 and so on.

```
        ------------------------------------------------
             Duplicate   Unique    Duplicate   Unique
        C       bV    bV  C+bV  C+bV  C+bV
        ------------------------------------------------
        1       6           7     7
        2       5           7     7
        3       4           7     7
        4             5     9           9
        5             3     8           8
        6             6    12          12
        7             3    10          10
        8       7          15    15
        9             4    13          13
        10      5          15    15
        11            9    20          20
        12      3          15    15
        13            8    21          21
        14     11          25    25
        15           11    26          26
        16            8    24          24
        17      8          25    25
        18            5    23          23
        19           19    38          38
        20            8    28          28
        21            8    29          29
        22           11    33          33
        23           21    44          44
        24           15    39          39
        25           20    45          45
        26     30          56    56
        27           26    53          53
        28           19    47          47
        29           17    46          46
        30     22          52    52
        31     25          56    56
        32     36          68    68
        33     19          52    52
        34     29          63    63
        35     42          77    77
        36           46    82          82
        37     40          77    77
        38           50    88          88
        39           31    70          70
```

40	40		80	80	
41		56	97		97
42	20		62	62	
43		28	71		71
44		28	72		72
45		44	89		89
46		52	98		98
47		52	99		99
48		30	78		78
49		12	61		61
50	12		62	62	
51		18	69		69
52	11		63	63	
53		11	64		64
54	14		68	68	
55	13		68	68	
56	24		80	80	
57		22	79		79
58		29	87		87
59	96		155	155	
60		78	138		138
61		55	116		116
62	62		124	124	
63		49	112		112
64	60		124	124	
65		45	110		110
66		18	84		84
67		29	96		96
68		38	106		106
69		35	104		104
70		37	107		107
71		59	130		130
72		89	161		161
73		53	126		126
74		54	128		128
75		85	160		160
76		75	151		151
77		88	165		165
78		182	260		260
79		83	162		162
80		45	125		125
81		54	135		135
82	73		155	155	
83		30	113		113
84		34	118		118
85	60		145	145	
86	69		155	155	
87		88	175		175
88		93	181		181
89		227	316		316
90		77	167		167
91	64		155	155	
92		118	210		210
93		78	171		171
94		112	206		206
95	135		230	230	
96		98	194		194
97		110	207		207
98		111	209		209
99	128		227	227	
100		99	199		199
101		52	153		153
102	43		145	145	
103	111		214	214	
104	123		227	227	
105	109		214	214	
106		129	235		235
107		75	182		182
108		206	314		314
109		165	274		274

```
      110    120                230    230
      111           176  287           287
      112           200  312           312
      113           286  399           399
      114           7    121           121
      ----------------------------------------------
  Sum 6555  1679  4557 12791  3600   9191
      ----------------------------------------------


      Unique bV  ÷ Duplicate bV =
      4557       ÷ 1679        =  2.71411554496724240619416319237 64...
      Euler's number (e)       =  2.71828182845904523536028747135 27...
            difference         = -0.00416628349180282916612427897 63...
            error              ~= -0.153%
      http://en.wikipedia.org/wiki/E_(mathematical_constant)


Pattern 7b: The ratio of V   of initialized chapters to non-initialized chapters ~= π÷4
            The ratio of C×V of initialized chapters to non-initialized chapters ~= φ÷4
```

```
      ------------------------------------
            Non-Initialized   Initialized
      C     V     C×V    V     C×V
      ------------------------------------
      1     7     7
      2                 286    572
      3                 200    600
      4     176   704
      5     120   600
      6     165   990
      7                 206    1442
      8     75    600
      9     129   1161
      10                109    1090
      11                123    1353
      12                111    1332
      13                43     559
      14                52     728
      15                99     1485
      16    128   2048
      17    111   1887
      18    110   1980
      19                98     1862
      20                135    2700
      21    112   2352
      22    78    1716
      23    118   2714
      24    64    1536
      25    77    1925
      26                227    5902
      27                93     2511
      28                88     2464
      29                69     2001
      30                60     1800
      31                34     1054
      32                30     960
      33    73    2409
      34    54    1836
      35    45    1575
      36                83     2988
      37    182   6734
      38                88     3344
      39    75    2925
      40                85     3400
      41                54     2214
      42                53     2226
      43                89     3827
      44                59     2596
      45                37     1665
      46                35     1610
      47    38    1786
```

48	29	1392		
49	18	882		
50			45	2250
51	60	3060		
52	49	2548		
53	62	3286		
54	55	2970		
55	78	4290		
56	96	5376		
57	29	1653		
58	22	1276		
59	24	1416		
60	13	780		
61	14	854		
62	11	682		
63	11	693		
64	18	1152		
65	12	780		
66	12	792		
67	30	2010		
68			52	3536
69	52	3588		
70	44	3080		
71	28	1988		
72	28	2016		
73	20	1460		
74	56	4144		
75	40	3000		
76	31	2356		
77	50	3850		
78	40	3120		
79	46	3634		
80	42	3360		
81	29	2349		
82	19	1558		
83	36	2988		
84	25	2100		
85	22	1870		
86	17	1462		
87	19	1653		
88	26	2288		
89	30	2670		
90	20	1800		
91	15	1365		
92	21	1932		
93	11	1023		
94	8	752		
95	8	760		
96	19	1824		
97	5	485		
98	8	784		
99	8	792		
100	11	1100		
101	11	1111		
102	8	816		
103	3	309		
104	9	936		
105	5	525		
106	4	424		
107	7	749		
108	3	324		
109	6	654		
110	3	330		
111	5	555		
112	4	448		
113	5	565		
114	6	684		

```
    ------------------------------------
Sum 6555   3493   148958 2743   60071
    ------------------------------------
```

```
Initialized V     ÷ Non-Initialized V   =
2743              ÷ 3493                 =  0.78528485542513598625823074872087...
circle ratio (π) ÷ 4                     =  0.78539816339744830961566084858199...
        difference                       = -0.00011330797231232335743000986112...
        error                          ~= -0.014%
```

```
Initialized C×V  ÷ Non-Initialized C×V =
60071            ÷ 148958               =  0.40327474858684998455940060070624...
golden ratio (φ) ÷ 4                     =  0.40450849718747371205114670859814...
        difference                       = -0.00123374860062372749174070715290...
        error                          ~= -0.305%
```

Pattern 7c: Sum of composite C+V sums   ÷ Sum of prime C+V sums   ~= 2 Euler's number
         Sum of composite C×V products ÷ Sum of prime C×V products ~= 2 Euler's number

```
        ---------------------------------------------------
        C      V      C+V    CSum  PSum   C×V    CSum  PSum
        ---------------------------------------------------
        1      7      8      8            7      7
        2      286    288    288          572    572
        3      200    203    203          600    600
        4      176    180    180          704    704
        5      120    125    125          600    600
        6      165    171    171          990    990
        7      206    213    213          1442   1442
        8      75     83           83     600          600
        9      129    138    138          1161   1161
        10     109    119    119          1090   1090
        11     123    134    134          1353   1353
        12     111    123    123          1332   1332
        13     43     56     56           559    559
        14     52     66     66           728    728
        15     99     114    114          1485   1485
        16     128    144    144          2048   2048
        17     111    128    128          1887   1887
        18     110    128    128          1980   1980
        19     98     117    117          1862   1862
        20     135    155    155          2700   2700
        21     112    133    133          2352   2352
        22     78     100    100          1716   1716
        23     118    141    141          2714   2714
        24     64     88     88           1536   1536
        25     77     102    102          1925   1925
        26     227    253    253          5902   5902
        27     93     120    120          2511   2511
        28     88     116    116          2464   2464
        29     69     98     98           2001   2001
        30     60     90     90           1800   1800
        31     34     65     65           1054   1054
        32     30     62     62           960    960
        33     73     106    106          2409   2409
        34     54     88     88           1836   1836
        35     45     80     80           1575   1575
        36     83     119    119          2988   2988
        37     182    219    219          6734   6734
        38     88     126    126          3344   3344
        39     75     114    114          2925   2925
        40     85     125    125          3400   3400
        41     54     95     95           2214   2214
        42     53     95     95           2226   2226
        43     89     132    132          3827   3827
        44     59     103          103    2596         2596
        45     37     82     82           1665   1665
        46     35     81     81           1610   1610
        47     38     85     85           1786   1786
        48     29     77     77           1392   1392
        49     18     67           67     882          882
        50     45     95     95           2250   2250
```

51	60	111	111		3060	3060	
52	49	101		101	2548		2548
53	62	115	115		3286	3286	
54	55	109		109	2970		2970
55	78	133	133		4290	4290	
56	96	152	152		5376	5376	
57	29	86	86		1653	1653	
58	22	80	80		1276	1276	
59	24	83		83	1416		1416
60	13	73		73	780		780
61	14	75	75		854	854	
62	11	73		73	682		682
63	11	74	74		693	693	
64	18	82	82		1152	1152	
65	12	77	77		780	780	
66	12	78	78		792	792	
67	30	97		97	2010		2010
68	52	120	120		3536	3536	
69	52	121	121		3588	3588	
70	44	114	114		3080	3080	
71	28	99	99		1988	1988	
72	28	100	100		2016	2016	
73	20	93	93		1460	1460	
74	56	130	130		4144	4144	
75	40	115	115		3000	3000	
76	31	107		107	2356		2356
77	50	127		127	3850		3850
78	40	118	118		3120	3120	
79	46	125	125		3634	3634	
80	42	122	122		3360	3360	
81	29	110	110		2349	2349	
82	19	101		101	1558		1558
83	36	119	119		2988	2988	
84	25	109		109	2100		2100
85	22	107		107	1870		1870
86	17	103		103	1462		1462
87	19	106	106		1653	1653	
88	26	114	114		2288	2288	
89	30	119	119		2670	2670	
90	20	110	110		1800	1800	
91	15	106	106		1365	1365	
92	21	113		113	1932		1932
93	11	104	104		1023	1023	
94	8	102	102		752	752	
95	8	103		103	760		760
96	19	115	115		1824	1824	
97	5	102	102		485	485	
98	8	106	106		784	784	
99	8	107		107	792		792
100	11	111	111		1100	1100	
101	11	112	112		1111	1111	
102	8	110	110		816	816	
103	3	106	106		309	309	
104	9	113		113	936		936
105	5	110	110		525	525	
106	4	110	110		424	424	
107	7	114	114		749	749	
108	3	111	111		324	324	
109	6	115	115		654	654	
110	3	113		113	330		330
111	5	116	116		555	555	
112	4	116	116		448	448	
113	5	118	118		565	565	
114	6	120	120		684	684	
--							
Sum	6236	12791	10799	1992	209029	176599	32430

Sum of composite C+V sums ÷ Sum of prime C+V sums
10799 ÷ 1992   = 5.4211847389558232293172690763052...
               = 2.7105923694779116465863452381526... × 2

```
Euler's number (e) =  2.71828182845904523536028747135 2...
        difference   = -0.00768945898113358877394208982 6...
        error      ~= -0.283%
http://en.wikipedia.org/wiki/E_(mathematical_constant)

Sum of composite C×V products ÷ Sum of prime C×V products
176599 ÷ 32430     = 5.44554424915201973481344434165 9...
                   = 2.72277212457600986740672217082 9... × 2
Euler's number (e) = 2.71828182845904523536028747135 2...
        difference   = 0.00449029611696463204643469947 7...
        error      ~= 0.165%
```

Pattern 8: Chapter 57 has 29 verses
      where   57 is half the total number of chapters 114
      and   29 is the middle number between 1 to 57
      57×29 = 1653 where the 16th prime number is 53

Pattern 9a:
      Chapter 57 stays in position 57 after sorting the table by C×V in ascending order:

#	Name	C	V	C×V
1	الفاتحة	1	7	7
2	العصر	103	3	309
3	الكوثر	108	3	324
4	النصر	110	3	330
5	قريش	106	4	424
6	الإخلاص	112	4	448
7	القدر	97	5	485
8	الفيل	105	5	525
9	المسد	111	5	555
10	الرعد	13	43	559
11	الفلق	113	5	565
12	البقرة	2	286	572
13	آل عمران	3	200	600
14	المائدة	5	120	600
15	الأنفال	8	75	600
16	الكافرون	109	6	654
17	الجمعة	62	11	682
18	الناس	114	6	684
19	المنافقون	63	11	693
20	النساء	4	176	704
21	ابراهيم	14	52	728
22	الماعون	107	7	749
23	الشرح	94	8	752
24	التين	95	8	760
25	الممتحنة	60	13	780
26	الطلاق	65	12	780
27	البينة	98	8	784
28	التحريم	66	12	792
29	الزلزلة	99	8	792
30	التكاثر	102	8	816
31	الصف	61	14	854
32	الحجرات	49	18	882
33	الهمزة	104	9	936
34	السجدة	32	30	960
35	الأنعام	6	165	990
36	الضحى	93	11	1023
37	لقمان	31	34	1054
38	يونس	10	109	1090
39	العاديات	100	11	1100
40	القارعة	101	11	1111
41	التغابن	64	18	1152
42	التوبة	9	129	1161
43	المجادلة	58	22	1276
44	يوسف	12	111	1332
45	هود	11	123	1353
46	الشمس	91	15	1365
47	الفتح	48	29	1392

```
        48      الحشر           59    24    1416
        49      الأعراف          7    206   1442
        50      المزمل          73    20    1460
        51      الطارق          86    17    1462
        52      الحجر           15    99    1485
        53      النور           24    64    1536
        54      الإنفطار        82    19    1558
        55      فاطر            35    45    1575
        56      الأحقاف         46    35    1610
--->    57      الحديد          57    29    1653    Pivot    chapter
--->    58      الأعلى          87    19    1653    Support  chapter
        59      الجاثية         45    37    1665
        60      الحج            22    78    1716
        61      محمد            47    38    1786
        62      الروم           30    60    1800
        63      البلد           90    20    1800
        64      العلق           96    19    1824
        65      سبإ             34    54    1836
        66      مريم            19    98    1862
        67      البروج          85    22    1870
        68      الإسراء         17    111   1887
        69      الفرقان         25    77    1925
        70      الليل           92    21    1932
        71      الكهف           18    110   1980
        72      نوح             71    28    1988
        73      العنكبوت        29    69    2001
        74      الملك           67    30    2010
        75      الجن            72    28    2016
        76      النحل           16    128   2048
        77      الإنشقاق        84    25    2100
        78      فصلت            41    54    2214
        79      الشورى          42    53    2226
        80      ق               50    45    2250
        81      الغاشية         88    26    2288
        82      التكوير         81    29    2349
        83      الأنبياء        21    112   2352
        84      الانسان         76    31    2356
        85      الأحزاب         33    73    2409
        86      القصص           28    88    2464
        87      النمل           27    93    2511
        88      الطور           52    49    2548
        89      الدخان          44    59    2596
        90      الفجر           89    30    2670
        91      طه              20    135   2700
        92      المؤمنون        23    118   2714
        93      الزمر           39    75    2925
        94      القمر           54    55    2970
        95      يس              36    83    2988
        96      المطففين        83    36    2988
        97      القيامة         75    40    3000
        98      الذاريات        51    60    3060
        99      المعارج         70    44    3080
        100     النبإ           78    40    3120
        101     النجم           53    62    3286
        102     ص               38    88    3344
        103     عبس             80    42    3360
        104     غافر            40    85    3400
        105     القلم           68    52    3536
        106     الحاقة          69    52    3588
        107     النازعات        79    46    3634
        108     الزخرف          43    89    3827
        109     المرسلات        77    50    3850
        110     المدثر          74    56    4144
        111     الرحمن          55    78    4290
        112     الواقعة         56    96    5376
        113     الشعراء         26    227   5902
        114     الصافات         37    182   6734
------------------------------------
        Sum                    6555  6236  209029
------------------------------------
```

Pattern 9b:
    Chapter 57 stays in position 57 after sorting the table by C×V in descending order,
    because chapter 87 has 19 verses which produce the same C×V product (87×19 = 1653)
    that stops chapter 57 from falling to position 58 in even number of numbers (114):

#	Name	C	V	C×V	
1	الصافات	37	182	6734	
2	الشعراء	26	227	5902	
3	الواقعة	56	96	5376	
4	الرحمن	55	78	4290	
5	المدثر	74	56	4144	
6	المرسلات	77	50	3850	
7	الزخرف	43	89	3827	
8	النازعات	79	46	3634	
9	الحاقة	69	52	3588	
10	القلم	68	52	3536	
11	غافر	40	85	3400	
12	عبس	80	42	3360	
13	ص	38	88	3344	
14	النجم	53	62	3286	
15	النبإ	78	40	3120	
16	المعارج	70	44	3080	
17	الذاريات	51	60	3060	
18	القيامة	75	40	3000	
19	يس	36	83	2988	
20	المطففين	83	36	2988	
21	القمر	54	55	2970	
22	الزمر	39	75	2925	
23	المؤمنون	23	118	2714	
24	طه	20	135	2700	
25	الفجر	89	30	2670	
26	الدخان	44	59	2596	
27	الطور	52	49	2548	
28	النمل	27	93	2511	
29	القصص	28	88	2464	
30	الأحزاب	33	73	2409	
31	الانسان	76	31	2356	
32	الأنبياء	21	112	2352	
33	التكوير	81	29	2349	
34	الغاشية	88	26	2288	
35	ق	50	45	2250	
36	الشورى	42	53	2226	
37	فصلت	41	54	2214	
38	الإنشقاق	84	25	2100	
39	النحل	16	128	2048	
40	الجن	72	28	2016	
41	الملك	67	30	2010	
42	العنكبوت	29	69	2001	
43	نوح	71	28	1988	
44	الكهف	18	110	1980	
45	الليل	92	21	1932	
46	الفرقان	25	77	1925	
47	الإسراء	17	111	1887	
48	البروج	85	22	1870	
49	مريم	19	98	1862	
50	سبإ	34	54	1836	
51	العلق	96	19	1824	
52	الروم	30	60	1800	
53	البلد	90	20	1800	
54	محمد	47	38	1786	
55	الحج	22	78	1716	
56	الجاثية	45	37	1665	
---> 57	الحديد	57	29	1653	Pivot chapter
---> 58	الأعلى	87	19	1653	Support chapter
59	الأحقاف	46	35	1610	
60	فاطر	35	45	1575	
61	الإنفطار	82	19	1558	

62	الـنـور	24	64	1536
63	الـحجر	15	99	1485
64	الطارق	86	17	1462
65	الـمزمـل	73	20	1460
66	الأعراف	7	206	1442
67	الـحشر	59	24	1416
68	الفـتح	48	29	1392
69	الـشمس	91	15	1365
70	هـود	11	123	1353
71	يـوسف	12	111	1332
72	الـمجادلـة	58	22	1276
73	الـتـوبـة	9	129	1161
74	الـتغابـن	64	18	1152
75	القـارعة	101	11	1111
76	الـعـاديـات	100	11	1100
77	يـونـس	10	109	1090
78	لقـمـان	31	34	1054
79	الضحى	93	11	1023
80	الأنـعـام	6	165	990
81	الـسجدة	32	30	960
82	الـهمزة	104	9	936
83	الـحجرات	49	18	882
84	الـصف	61	14	854
85	الـتكاثـر	102	8	816
86	الـتحريم	66	12	792
87	الـزلـزلـة	99	8	792
88	الـبـينة	98	8	784
89	الـممتحنة	60	13	780
90	الطلاق	65	12	780
91	الـتـين	95	8	760
92	الـشرح	94	8	752
93	الـمـاعون	107	7	749
94	ابـراهيم	14	52	728
95	الـنسـاء	4	176	704
96	الـمنافقـون	63	11	693
97	الـنـاس	114	6	684
98	الـجمعة	62	11	682
99	الـكافـرون	109	6	654
100	آل عمران	3	200	600
101	الـمائـدة	5	120	600
102	الأنفـال	8	75	600
103	الـبقـرة	2	286	572
104	الـفـلق	113	5	565
105	الـرعد	13	43	559
106	الـمسد	111	5	555
107	الـفـيل	105	5	525
108	القـدر	97	5	485
109	الإخلاص	112	4	448
110	قـريـش	106	4	424
111	الـنصر	110	3	330
112	الكـوثـر	108	3	324
113	الـعصر	103	3	309
114	الفـاتحة	1	7	7

Sum		6555	6236	209029

Note 1: Chapter 57 (Iron) acts as a pivot chapter in the Quran and never changes its position. Iron has the most stable nucleus in nature where elements above Iron split to become Iron while elements below Iron fuse to become Iron at the cores of stars. Some stars explode at the end of their life sending Iron outward in all directions.

God says Iron was sent down to Earth at chapter The Iron verse 25 (Quran 57:25).

See http://wikipedia.com/Iron

See http://hyperphysics.phy-astr.gsu.edu/hbase/nucene/nucbin.html

Note 2: There are 16 additive prime chapter numbers:
        2, 3, 5, 7, 11, 23, 29, 41, 43, 47, 61, 67, 83, 89, 101, 113

        And there are 53 additive composite chapter numbers.
        4, 6, 8, 9, 15, 18, 22, 24, 26, 27, 28, 33, 35, 36, 39, 40, 42, 44, 45,
        46, 48, 51, 54, 55, 57, 60, 62, 63, 64, 66, 68, 69, 72, 75, 77, 78, 80,
        81, 82, 84, 86, 87, 88, 90, 91, 93, 95, 96, 99, 105, 108, 112, 114

16 Additive Prime Chapters

#	C	V
1	2	286
2	3	200
3	5	120
4	7	206
5	11	123
6	23	118
7	29	69
8	41	54
9	43	89
10	47	38
11	61	14
12	67	30
13	83	36
14	89	30
15	101	11
16	113	5
136	725	1429

53 Additive Composite Chapters

#	C	V
1	4	176
2	6	165
3	8	75
4	9	129
5	15	99
6	18	110
7	22	78
8	24	64
9	26	227
10	27	93
11	28	88
12	33	73
13	35	45
14	36	83
15	39	75
16	40	85
17	42	53
18	44	59
19	45	37
20	46	35
21	48	29
22	51	60
23	54	55
24	55	78
25	57	29
26	60	13
27	62	11
28	63	11
29	64	18
30	66	12
31	68	52
32	69	52
33	72	28
34	75	40
35	77	50
36	78	40
37	80	42
38	81	29
39	82	19
40	84	25
41	86	17
42	87	19
43	88	26
44	90	20
45	91	15
46	93	11
47	95	8
48	96	19
49	99	8
50	105	5
51	108	3
52	112	4
53	114	6
1431	3157	2703

Pattern 10: There are 29 chapters with prime |C-V| difference with their
    sum of number of digits in chapter numbers   = 58 = 2×29
    sum of number of digits in number of verses per chapter = 58 = 2×29
    sum of number of digits in the prime |C-V| differences = 58 = 2×29

C	V	|C-V|	P|C-V|	C|C-V|	U|C-V|	Prime Len(C)	Prime Len(V)	Prime Len(C-V)
1	7	6		6				
2	286	284		284				
3	200	197	197			1	3	3
4	176	172		172				
5	120	115		115				
6	165	159		159				
7	206	199	199			1	3	3
8	75	67	67			1	2	2
9	129	120		120				
10	109	99		99				
11	123	112		112				
12	111	99		99				
13	43	30		30				
14	52	38		38				
15	99	84		84				
16	128	112		112				
17	111	94		94				
18	110	92		92				
19	98	79	79			2	2	2
20	135	115		115				
21	112	91		91				
22	78	56		56				
23	118	95		95				
24	64	40		40				
25	77	52		52				
26	227	201		201				
27	93	66		66				
28	88	60		60				
29	69	40		40				
30	60	30		30				
31	34	3	3			2	2	1
32	30	2	2			2	2	1
33	73	40		40				
34	54	20		20				
35	45	10		10				
36	83	47	47			2	2	2
37	182	145		145				
38	88	50		50				
39	75	36		36				
40	85	45		45				
41	54	13	13			2	2	2
42	53	11	11			2	2	2
43	89	46		46				
44	59	15		15				
45	37	8		8				
46	35	11	11			2	2	2
47	38	9		9				
48	29	19	19			2	2	2
49	18	31	31			2	2	2
50	45	5	5			2	2	1
51	60	9		9				
52	49	3	3			2	2	1
53	62	9		9				
54	55	1			1			
55	78	23	23			2	2	2
56	96	40		40				
57	29	28		28				
58	22	36		36				
59	24	35		35				
60	13	47	47			2	2	2
61	14	47	47			2	2	2

62	11	51		51				
63	11	52		52				
64	18	46		46				
65	12	53	53			2	2	2
66	12	54		54				
67	30	37	37			2	2	2
68	52	16		16				
69	52	17	17			2	2	2
70	44	26		26				
71	28	43	43			2	2	2
72	28	44		44				
73	20	53	53			2	2	2
74	56	18		18				
75	40	35		35				
76	31	45		45				
77	50	27		27				
78	40	38		38				
79	46	33		33				
80	42	38		38				
81	29	52		52				
82	19	63		63				
83	36	47	47			2	2	2
84	25	59	59			2	2	2
85	22	63		63				
86	17	69		69				
87	19	68		68				
88	26	62		62				
89	30	59	59			2	2	2
90	20	70		70				
91	15	76		76				
92	21	71	71			2	2	2
93	11	82		82				
94	8	86		86				
95	8	87		87				
96	19	77		77				
97	5	92		92				
98	8	90		90				
99	8	91		91				
100	11	89	89			3	2	2
101	11	90		90				
102	8	94		94				
103	3	100		100				
104	9	95		95				
105	5	100		100				
106	4	102		102				
107	7	100		100				
108	3	105		105				
109	6	103	103			3	1	3
110	3	107	107			3	1	3
111	5	106		106				
112	4	108		108				
113	5	108		108				
114	6	108		108				
------	------	------	------	------	------	------	------	------
Count 114	114	114	29	84	1	29	29	29
------	------	------	------	------	------	------	------	------
Sum 6555	6236	7453	1542	5910	1	58	58	58
------	------	------	------	------	------	------	------	------

```
------------------------------------
Square Chapters and Square Verse Sum
------------------------------------
Pattern 11a:
        --------------------------------
        #      C      V      DigitSum
        --------------------------------
        1      1      7      7
        2      4      176    14
        3      9      129    12
        4      16     128    11
        5      25     77     14
        6      36     83     11
        7      49     18     9
        8      64     18     9
        9      81     29     11
        10     100    11     2
        --------------------------------
        Sum    385    676    100
        --------------------------------


        Sum of verses           in square chapter numbers is square = 676 = 26^2
        Sum of verse digit sums in square chapter numbers is square = 100 = 10^2

        Difference between the square sums  is square = 676 - 100   = 576 = 24^2

        Sum of           the square roots is square = 26 + 10    =  36 =  6^2
        Difference between the square roots is square = 26 - 10    =  16 =  4^2

Pattern 11b:
        Chapters with verses of prime digits only:
        ---------------------
        #      C      V
        ---------------------
        1      1      7
        2      8      75
        3      14     52
        4      25     77
        5      26     227
        6      33     73
        7      39     75
        8      42     53
        9      45     37
        10     46     35
        11     54     55
        12     58     22
        13     68     52
        14     69     52
        15     84     25
        16     85     22
        17     97     5
        18     103    3
        19     105    5
        20     107    7
        21     108    3
        22     110    3
        23     111    5
        24     113    5
        ---------------------
        Sum    1551   975
        ---------------------
        C-V    1551 -  975 = 576 = 24^2 = Square of number of chapters
```

Pattern 11c:

    Chapters with verses of composite digits only:

    #   C   V
    ----
    1   15   99
    2   19   98
    3   24   64
    4   28   88
    5   29   69
    6   38   88
    7   43   89
    8   52   49
    9   56   96
    10   70   44
    11   79   46
    12   94   8
    13   95   8
    14   98   8
    15   99   8
    16   102   8
    17   104   9
    18   106   4
    19   109   6
    20   112   4
    21   114   6

    Sum   1486   899

    C-V   1486 - 899 = 587 = P107
    where 107 is the maximum value in Alphabet_Primes1 system.

    Cubic Verses and Cubic Chapter Sum

Pattern 12:

    #   C   V
    ----
    1   24   64
    2   94   8
    3   95   8
    4   98   8
    5   99   8
    6   102   8

    Sum   512   104

    Sum of chapter numbers with cubic verses is cubic = 512 = 8^3

```
--------------------
Square/Cubic C+V Sums
--------------------
```

Pattern 14a: Sum of chapters with square C+V is square with square digit sum:

```
        ------------------------------
        C    V     C+V    Type
        ------------------------------
        16   128   144    Square
        22   78    100    Square
        46   35    81     Square
        69   52    121    Square
        72   28    100    Square
        ------------------------------
        225 = 15^2 and 2+2+5 = 9 = 3^2
        ------------------------------
```

Pattern 14b: Sum of chapters with cubic C+V is cubic with cubic digit sum:

```
        ------------------------------
        C    V     C+V    Type
        ------------------------------
        1    7     8      Cubic
        5    120   125    Cubic
        40   85    125    Cubic
        79   46    125    Cubic
        ------------------------------
        125 = 5^3 and 1+2+5 = 8 = 2^3
        ------------------------------
```

Pattern 14c: Sum of C-V of chapters with square C-V is square:

```
        -------------------------------------------------
        C    V    C-V    Sqrt   dsC    dsV    dsC-dsV
        -------------------------------------------------
        47   38   9      3      11     11     0
        58   22   36     6      13     4      9
        68   52   16     4      14     7      7
        103  3    100    10     4      3      1
        105  5    100    10     6      5      1
        107  7    100    10     8      7      1
        -------------------------------------------------
        488  127  361    19     56     37     19
        -------------------------------------------------
```

```
  Note 1:    361      contains two squares: 36 and 1
        Sqrt(361) = 19 contains two squares:  1 and 9
```

```
------------------------------------
Homogeneous Chapter-Verse Primality
------------------------------------
```

Pattern 15a: Prime chapters with prime verses:

```
        ----------------------------
        C      V     CV      VC
        ----------------------------
        13     43    1343    4313
        43     89    4389    8943
        97     5     975     597
        101    11    10111   11101
        103    3     1033    3103
        107    7     1077    7107
        113    5     1135    5113
        ----------------------------
        577    163   20063   40277  All primes
        ----------------------------
```

```
  Note 1: 577 = P106 = AP57
                106 +   57 = 163
```

Pattern 15b: Composite chapters with composite verses:

```
----------------------------
C       V       CV      VC
----------------------------
4       176     4176    1764
6       165     6165    1656
8       75      875     758
9       129     9129    1299
12      111     12111   11112
14      52      1452    5214
15      99      1599    9915
16      128     16128   12816
18      110     18110   11018
20      135     20135   13520
21      112     21112   11221
22      78      2278    7822
24      64      2464    6424
25      77      2577    7725
27      93      2793    9327
28      88      2888    8828
30      60      3060    6030
32      30      3230    3032
34      54      3454    5434
35      45      3545    4535
38      88      3888    8838
39      75      3975    7539
40      85      4085    8540
46      35      4635    3546
49      18      4918    1849
50      45      5045    4550
51      60      5160    6051
52      49      5249    4952
54      55      5455    5554
55      78      5578    7855
56      96      5696    9656
58      22      5822    2258
64      18      6418    1864
65      12      6512    1265
66      12      6612    1266
68      52      6852    5268
69      52      6952    5269
70      44      7044    4470
72      28      7228    2872
74      56      7456    5674
75      40      7540    4075
77      50      7750    5077
78      40      7840    4078
80      42      8042    4280
84      25      8425    2584
85      22      8522    2285
88      26      8826    2688
90      20      9020    2090
91      15      9115    1591
92      21      9221    2192
94      8       948     894
95      8       958     895
98      8       988     898
99      8       998     899
102     8       1028    8102
104     9       1049    9104
106     4       1064    4106
112     4       1124    4112
114     6       1146    6114
----------------------------
3300    3225    345465  304650      All are additive composites
----------------------------
```

Pattern 15c: Prime chapters with composite verses:

```
----------------------------
C       V     CV     VC
----------------------------
2       286   2286   2862
3       200   3200   2003
5       120   5120   1205
7       206   7206   2067
11      123   11123  12311
17      111   17111  11117
19      98    1998   9819
23      118   23118  11823
29      69    2969   6929
31      34    3134   3431
37      182   37182  18237
41      54    4154   5441
47      38    4738   3847
53      62    5362   6253
59      24    5924   2459
61      14    6114   1461
67      30    6730   3067
71      28    7128   2871
73      20    7320   2073
79      46    7946   4679
83      36    8336   3683
89      30    8930   3089
109     6     1096   6109
----------------------------
1016    1935  188225 126836      All are additive composites
----------------------------
```

Pattern 15d: Composite chapters with prime verses:

```
----------------------------
C       V     CV     VC
----------------------------
10      109   10109  10910
26      227   26227  22726
33      73    3373   7333
36      83    3683   8336
42      53    4253   5342
44      59    4459   5944
45      37    4537   3745
48      29    4829   2948
57      29    5729   2957
60      13    6013   1360
62      11    6211   1162
63      11    6311   1163
76      31    7631   3176
81      29    8129   2981
82      19    8219   1982
86      17    8617   1786
87      19    8719   1987
93      11    9311   1193
96      19    9619   1996
100     11    10011  11100
105     5     1055   5105
108     3     1083   3108
110     3     1103   3110
111     5     1115   5111
----------------------------
1661    906   160346 116561      All are additive composites
----------------------------
```

```
Note 1:
Sum of all divisors of 1661 = 1+11+151+1661              = 1824 = 2×2×2×2×2×3×19 = 16×114
Sum of all divisors of  906 = 1+2+3+6+151+302+453+906 = 1824 = 2×2×2×2×2×3×19 = 16×114
```

```
--------------------
Square Verse Sequences
--------------------
Verse sequence is Quran-level verse numbers from 1 to 6236.

Pattern 16a:
      There are 78 verses with square sequences:
      ---------------------------------
      #      Seq    C      V      C=V
      ---------------------------------
      1      1      1      1      1
      2      4      1      4
      3      9      2      2      2
      4      16     2      9
      5      25     2      18
      6      36     2      29
      7      49     2      42
      8      64     2      57
      9      81     2      74
      10     100    2      93
      11     121    2      114
      12     144    2      137
      13     169    2      162
      14     196    2      189
      15     225    2      218
      16     256    2      249
      17     289    2      282
      18     324    3      31
      19     361    3      68
      20     400    3      107
      21     441    3      148
      22     484    3      191
      23     529    4      36
      24     576    4      83
      25     625    4      132
      26     676    5      7
      27     729    5      60
      28     784    5      115
      29     841    6      52
      30     900    6      111
      31     961    7      7      7
      32     1024   7      70
      33     1089   7      135
      34     1156   7      202
      35     1225   8      65
      36     1296   9      61
      37     1369   10     5
      38     1444   10     80
      39     1521   11     48
      40     1600   12     4
      41     1681   12     85
      42     1764   14     14     14
      43     1849   15     47
      44     1936   16     35
      45     2025   16     124
      46     2116   17     87
      47     2209   18     69
      48     2304   19     54
      49     2401   20     53
      50     2500   21     17
      51     2601   22     6
      52     2704   23     31
      53     2809   24     18
      54     2916   25     61
      55     3025   26     93
      56     3136   26     204
      57     3249   27     90
      58     3364   29     24
      59     3481   31     12
      60     3600   33     67
```

```
61      3721    36      16
62      3844    37      56
63      3969    37      181
64      4096    39      38
65      4225    41      7
66      4356    43      31
67      4489    45      16
68      4624    49      12
69      4761    52      26
70      4900    54      54      54
71      5041    56      62
72      5184    62      7
73      5329    69      6
74      5476    73      1
75      5625    77      3
76      5776    80      18
77      5929    85      20
78      6084    93      5
     ---------------------------------
Sum 3081   161239 1636    5248    78
     ---------------------------------
     Sum of (chapter number = verse number) = 78
```

Note 1: 78 = C56 = AC36
          P56 = 263   [pattern 263a]
           56 + 263 = 319   [pattern 37a note 8]

Note 2: The digit sum of sequence sum, chapter sum and verse sum = the pivot chapter.
       1+6+1+2+3+9 + 1+6+3+6 + 5+2+4+8 = 57   [pattern 9a]

Pattern 16b:
     4 square sequences have square chapter numbers and square verse numbers:

```
     ---------------------
     #      Seq    C     V
     ---------------------
     1      1      1     1     SqC SqV
     2      4      1     4     SqC SqV
     23     529    4     36    SqC SqV
     61     3721   36    16    SqC SqV
     ---------------------
  Sum 87    4255   42    57
     ---------------------
```

Note 1: 42 = chapters in mini-book with a pivot chapter 21 with 11 verses
            with support chapter 33 with 7 verses.

Note 2: 114 = chapters in the Quran with a pivot chapter 57 with 29 verses
            with support chapter 87 with 19 verses.
            57 = pivot   chapter [pattern 9a]
            87 = support chapter [pattern 9b]

```
--------------------------------------------------
Homogeneous/Heterogeneous Chapter-Verse Evenness
--------------------------------------------------
Pattern 17a:
        Homogeneous Chapter-Verse Evenness
        OO:  There are 27 odd  chapters with odd  verses.
        EE:  There are 30 even chapters with even verses.

        Heterogeneous Chapter-Verse Evenness
        OE:  There are 30 odd  chapters with even verses.
        EO:  There are 27 even chapters with odd  verses.

Pattern 17b:
        Homogeneous First Half
        OO:  There are 13 odd  chapters with odd  verses in first half.
        EE:  There are 15 even chapters with even verses in first half.
        Sum           28 <--

        Heterogeneous First Half
        EO:  There are 15 even chapters with odd  verses in first half.
        OE:  There are 14 odd  chapters with even verses in first half.
        Sum        --> 29

        Homogeneous Second Half
        OO:  There are 12 odd  chapters with odd  verses in second half.
        EE:  There are 17 even chapters with even verses in second half.
        Sum        --> 29

        Heterogeneous Second Half
        EO:  There are 12 even chapters with odd  verses in second half.
        OE:  There are 16 odd  chapters with even verses in second half.
        Sum           28 <--

        where there are in 114 chapters:
            28 even chapters in first  half  =  Homogeneous   First  Half  =  OO + EE
            29 odd  chapters in first  half  =  Heterogeneous First  Half  =  EO + OE
            29 even chapters in second half  =  Homogeneous   Second Half  =  OO + EE
            28 odd  chapters in second half  =  Heterogeneous Second Half  =  EO + OE

Pattern 17c:
Count of odd-verse chapters        ÷ Count of even-verse chapters      =   54 ÷   60 = 0.9
Sum of odd-verse chapter numbers ÷ Sum of even-verse chapter numbers = 3105 ÷ 3450 = 0.9


        ----------------------------
        #     CO    CE
        ----------------------------
        1     1
        2           2
        3           3
        4           4
        5           5
        6     6
        7           7
        8     8
        9     9
        10    10
        11    11
        12    12
        13    13
        14          14
        15    15
        16          16
        17    17
        18          18
        19          19
        20    20
        21          21
        22          22
        23          23
        24          24
```

```
25    25
26    26
27    27
28              28
29    29
30              30
31              31
32              32
33    33
34              34
35    35
36    36
37              37
38              38
39    39
40    40
41              41
42    42
43    43
44    44
45    45
46    46
47              47
48    48
49              49
50    50
51              51
52    52
53              53
54    54
55              55
56              56
57    57
58              58
59              59
60    60
61              61
62    62
63    63
64              64
65              65
66              66
67              67
68              68
69              69
70              70
71              71
72              72
73              73
74              74
75              75
76    76
77              77
78              78
79              79
80              80
81    81
82    82
83              83
84    84
85              85
86    86
87    87
88              88
89              89
90              90
91    91
92    92
93    93
94              94
```

```
95            95
96     96
97     97
98            98
99            99
100    100
101    101
102           102
103    103
104    104
105    105
106           106
107    107
108    108
109           109
110    110
111    111
112           112
113    113
114           114
---------------------------
Sum    3105   3450
---------------------------
Count  54     60
---------------------------
```

Pattern 17d:
```
Sum of odd-verse chapter numbers  = Sum of reverse chapter numbers = 3105
Sum of even-verse chapter numbers = Sum of reverse chapter numbers = 3450
Count of odd-verse chapters        ÷ Count of even-verse chapters       =   54 ÷   60 = 0.9
Sum of odd-verse chapter numbers  ÷ Sum of even-verse chapter numbers = 3105 ÷ 3450 = 0.9
```

```
     Odd-verse chapters
     ---------------------------
     #      C      V      rC
     ---------------------------
     1      1      7      114
     2      6      165    109
     3      8      75     107
     4      9      129    106
     5      10     109    105
     6      11     123    104
     7      12     111    103
     8      13     43     102
     9      15     99     100
     10     17     111    98
     11     20     135    95
     12     25     77     90
     13     26     227    89
     14     27     93     88
     15     29     69     86
     16     33     73     82
     17     35     45     80
     18     36     83     79
     19     39     75     76
     20     40     85     75
     21     42     53     73
     22     43     89     72
     23     44     59     71
     24     45     37     70
     25     46     35     69
     26     48     29     67
     27     50     45     65
     28     52     49     63
     29     54     55     61
     30     57     29     58
     31     60     13     55
     32     62     11     53
     33     63     11     52
     34     76     31     39
```

```
35      81      29      34
36      82      19      33
37      84      25      31
38      86      17      29
39      87      19      28
40      91      15      24
41      92      21      23
42      93      11      22
43      96      19      19
44      97      5       18
45      100     11      15
46      101     11      14
47      103     3       12
48      104     9       11
49      105     5       10
50      107     7       8
51      108     3       7
52      110     3       5
53      111     5       4
54      113     5       2
----------------------------
Sum     3105    2722    3105
----------------------------


Even-verse chapters
----------------------------
#       C       V       rC
----------------------------
1       2       286     113
2       3       200     112
3       4       176     111
4       5       120     110
5       7       206     108
6       14      52      101
7       16      128     99
8       18      110     97
9       19      98      96
10      21      112     94
11      22      78      93
12      23      118     92
13      24      64      91
14      28      88      87
15      30      60      85
16      31      34      84
17      32      30      83
18      34      54      81
19      37      182     78
20      38      88      77
21      41      54      74
22      47      38      68
23      49      18      66
24      51      60      64
25      53      62      62
26      55      78      60
27      56      96      59
28      58      22      57
29      59      24      56
30      61      14      54
31      64      18      51
32      65      12      50
33      66      12      49
34      67      30      48
35      68      52      47
36      69      52      46
37      70      44      45
38      71      28      44
39      72      28      43
40      73      20      42
41      74      56      41
42      75      40      40
```

```
43     77     50     38
44     78     40     37
45     79     46     36
46     80     42     35
47     83     36     32
48     85     22     30
49     88     26     27
50     89     30     26
51     90     20     25
52     94      8     21
53     95      8     20
54     98      8     17
55     99      8     16
56    102      8     13
57    106      4      9
58    109      6      6
59    112      4      3
60    114      6      1
----------------------------
Sum   3450   3514   3450
----------------------------
```

Pattern 17e:
```
Even-verse chapters in first  half = 1310 + 1380 = 2690
Even-verse chapters in second half = 1434 + 1256 = 2690
Odd-verse  chapters in first  half = 1099 + 1315 = 2414
Odd-verse  chapters in second half = 1152 + 1060 = 2212
```

Sum of verse sequences for:
```
Even-verse chapters in first  half = 6244241 = Additive Prime
Even-verse chapters in second half = 1811696 = 2×3×5×19×59×137 = 114×40415
Odd-verse  chapters in first  half = 6783719 = Additive Prime
```
Odd-verse chapters in second half = 1811696 = **2×2×2×2×199×569**

Pattern 17f:
```
  Sum of           chapters in even-verse even chapters = 1752
  Sum of reverse chapters in even-verse odd  chapters = 1752

  Sum of reverse chapters in even-verse even chapters = 1698
  Sum of           chapters in even-verse odd  chapters = 1698

  Sum of digit sums of         chapters in even-verse even chapters = 258
  Sum of digit sums of reverse chapters in even-verse odd  chapters = 258
```

Even Chapters with Even Verves
```
---------------------------------------------
C      V      rC     ds(C)  ds(V)  ds(rC)
---------------------------------------------
2      286    113    2      16     5
4      176    111    4      14     3
14     52     101    5      7      2
16     128    99     7      11     18
18     110    97     9      2      16
22     78     93     4      15     12
24     64     91     6      10     10
28     88     87     10     16     15
30     60     85     3      6      13
32     30     83     5      3      11
34     54     81     7      9      9
38     88     77     11     16     14
56     96     59     11     15     14
58     22     57     13     4      12
64     18     51     10     9      6
66     12     49     12     3      13
68     52     47     14     7      11
70     44     45     7      8      9
72     28     43     9      10     7
74     56     41     11     11     5
78     40     37     15     4      10
80     42     35     8      6      8
```

```
88      26      27      16      8       9
90      20      25      9       2       7
94      8       21      13      8       3
98      8       17      17      8       8
102     8       13      3       8       4
106     4       9       7       4       9
112     4       3       4       4       3
114     6       1       6       6       1
-----------------------------------------------
1752    1708    1698    258     250     267
-----------------------------------------------
```

Odd Chapters with Even Verses
```
-----------------------------------------------
C       V       rC      ds(C)   ds(V)   ds(rC)
-----------------------------------------------
3       200     112     3       2       4
5       120     110     5       3       2
7       206     108     7       8       9
19      98      96      10      17      15
21      112     94      3       4       13
23      118     92      5       10      11
31      34      84      4       7       12
37      182     78      10      11      15
41      54      74      5       9       11
47      38      68      11      11      14
49      18      66      13      9       12
51      60      64      6       6       10
53      62      62      8       8       8
55      78      60      10      15      6
59      24      56      14      6       11
61      14      54      7       5       9
65      12      50      11      3       5
67      30      48      13      3       12
69      52      46      15      7       10
71      28      44      8       10      8
73      20      42      10      2       6
75      40      40      12      4       4
77      50      38      14      5       11
79      46      36      16      10      9
83      36      32      11      9       5
85      22      30      13      4       3
89      30      26      17      3       8
95      8       20      14      8       2
99      8       16      18      8       7
109     6       6       10      6       6
-----------------------------------------------
1698    1806    1752    303     213     258
-----------------------------------------------
```

Pattern 17g:
Sum of   chapters in odd-verse odd chapters = 1551
Sum of reverse chapters in odd-verse even chapters = 1551

Sum of reverse chapters in odd-verse odd chapters = 1554
Sum of   chapters in odd-verse even chapters = 1554

Sum of digit sums of reverse chapters in odd-verse odd chapters = 204
Sum of digit sums of   chapters in odd-verse even chapters = 204

Odd Chapters with Odd Verves
```
-----------------------------------------------
C       V       rC      ds(C)   ds(V)   ds(rC)
-----------------------------------------------
1       7       114     1       7       6
9       129     106     9       12      7
11      123     104     2       6       5
13      43      102     4       7       3
15      99      100     6       18      1
17      111     98      8       3       17
```

```
25      77      90      7       14      9
27      93      88      9       12      16
29      69      86      11      15      14
33      73      82      6       10      10
35      45      80      8       9       8
39      75      76      12      12      13
43      89      72      7       17      9
45      37      70      9       10      7
57      29      58      12      11      13
63      11      52      9       2       7
81      29      34      9       11      7
87      19      28      15      10      10
91      15      24      10      6       6
93      11      22      12      2       4
97      5       18      16      5       9
101     11      14      2       2       5
103     3       12      4       3       3
105     5       10      6       5       1
107     7       8       8       7       8
111     5       4       3       5       4
113     5       2       5       5       2
------------------------------------------------
1551    1225    1554    210     226     204
------------------------------------------------
```

Even Chapters with Odd Verses
```
------------------------------------------------
C       V       rC      ds(C)   ds(V)   ds(rC)
------------------------------------------------
6       165     109     6       12      10
8       75      107     8       12      8
10      109     105     1       10      6
12      111     103     3       3       4
20      135     95      2       9       14
26      227     89      8       11      17
36      83      79      9       11      16
40      85      75      4       13      12
42      53      73      6       8       10
44      59      71      8       14      8
46      35      69      10      8       15
48      29      67      12      11      13
50      45      65      5       9       11
52      49      63      7       13      9
54      55      61      9       10      7
60      13      55      6       4       10
62      11      53      8       2       8
76      31      39      13      4       12
82      19      33      10      10      6
84      25      31      12      7       4
86      17      29      14      8       11
92      21      23      11      3       5
96      19      19      15      10      10
100     11      15      1       2       6
104     9       11      5       9       2
108     3       7       9       3       7
110     3       5       2       3       5
------------------------------------------------
1554    1497    1551    204     219     246
------------------------------------------------
```

Pattern 17h: Sum of C×V for odd verses is a multiple of 227:
```
--------------------
C       V       C×V
--------------------
1       7       7
6       165     990
8       75      600
9       129     1161
10      109     1090
11      123     1353
```

```
       12      111     1332
       13      43      559
       15      99      1485
       17      111     1887
       20      135     2700
       25      77      1925
       26      227     5902
       27      93      2511
       29      69      2001
       33      73      2409
       35      45      1575
       36      83      2988
       39      75      2925
       40      85      3400
       42      53      2226
       43      89      3827
       44      59      2596
       45      37      1665
       46      35      1610
       48      29      1392
       50      45      2250
       52      49      2548
       54      55      2970
       57      29      1653
       60      13      780
       62      11      682
       63      11      693
       76      31      2356
       81      29      2349
       82      19      1558
       84      25      2100
       86      17      1462
       87      19      1653
       91      15      1365
       92      21      1932
       93      11      1023
       96      19      1824
       97      5       485
       100     11      1100
       101     11      1111
       103     3       309
       104     9       936
       105     5       525
       107     7       749
       108     3       324
       110     3       330
       111     5       555
       113     5       565
       --------------------
 Count 54      54      54
       --------------------
   Sum 3105    2722    88303 = 227×389
       --------------------
```

Pattern 17i: Sum of C×V for even verses is a multiple of 114:

```
       --------------------
       C       V       C×V
       --------------------
       2       286     572
       3       200     600
       4       176     704
       5       120     600
       7       206     1442
       14      52      728
       16      128     2048
       18      110     1980
       19      98      1862
       21      112     2352
       22      78      1716
       23      118     2714
```

```
     24     64     1536
     28     88     2464
     30     60     1800
     31     34     1054
     32     30     960
     34     54     1836
     37     182    6734
     38     88     3344
     41     54     2214
     47     38     1786
     49     18     882
     51     60     3060
     53     62     3286
     55     78     4290
     56     96     5376
     58     22     1276
     59     24     1416
     61     14     854
     64     18     1152
     65     12     780
     66     12     792
     67     30     2010
     68     52     3536
     69     52     3588
     70     44     3080
     71     28     1988
     72     28     2016
     73     20     1460
     74     56     4144
     75     40     3000
     77     50     3850
     78     40     3120
     79     46     3634
     80     42     3360
     83     36     2988
     85     22     1870
     88     26     2288
     89     30     2670
     90     20     1800
     94     8      752
     95     8      760
     98     8      784
     99     8      792
     102    8      816
     106    4      424
     109    6      654
     112    4      448
     114    6      684
     -------------------
Count 60     60     60
     -------------------
  Sum 3450   3514   120726 = 114×1059
     --------------------
```

```
--------------------------------
Quran 74:30 "Guarded by nineteen."
--------------------------------
Pattern 19a:
         19 =  P8
        C19 = XC8 =   30
        AC19       = C30

        where God uses 30 whole numbers and uses 8 fractions in the Quran:
        { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 19, 20, 30, 40, 50, 60, 70, 80, 99,
          100, 200, 300, 1000, 2000, 3000, 5000, 50000, 100000 }
        Sum = 1+2+3+4+5+6+7+8+9+10+11+12+19+20+30+40+50+60+70+80+99+100+200+300+
              1000+2000+3000+5000+50000+100000 = 162146 = 2×17×19×251

        {    1/10,  1/8,  1/6,  1/5,  1/4,  1/3,  1/2,  2/3 }
        Sum = 1/10 + 1/8 + 1/6 + 1/5 + 1/4 + 1/3 + 1/2 + 2/3 = 2.341666...

Pattern 19b:
        XP19 - P19 = chapters of the Quran
         181 -  67 = 114

Pattern 19c:
        Chapter P19 (67) has C19 (30) verses.

Pattern 19d:
        "Oh Allah, please bring nearer to You Muhammed and the household of Muhammed."
        اللهم صل على محمد وءال محمد has an Abjad_Gematria value = 557
        557 = 4×139+1 = 19^2 + 14^2
           where 139 is the number of letters in The Key,
                and    19 is Quran 74:30 "Guarded by nineteen."
                and         14 is the number of persons in Muhammed and his household.

        The word "ﷲ" has an Alphabet_AdditivePrimes1 value      = 577

        "Oh Allah, please bring nearer to You Muhammed and the household of Muhammed."
        اللهم صل على محمد وءال محمد has a Frequency_Linear value = 152
        152 = 8×19 where 8th prime     = 19
        152 = 8×19 where 8th prime     = 19

        152 = 74th additive composite
        19th composite = 30
        Quran 74:30 "Guarded by nineteen."

Pattern 19e: There are 7 chapters with prime numbers and prime verses:
        ----------------------
        #      C      V
        ----------------------
        1      13     43
        2      43     89
        3      97     5
        4      101    11
        5      103    3
        6      107    7
        7      113    5
        ----------------------
        Sum    577    163    Primes
        ----------------------
        PIndex P106   P38    <-- 2×19 and AP38 = P66 = 317 [prime repunit index]
                                      while 66 = AC30 and C30 = AC19.
        APIndex AP57 <---------- 3×19 and chapter 57 is the pivot chapter [pattern 9a].

        DigSum ds19   ds10

  Note 1: 577 = P106 = AP57
                  106 +   57 = 163 = sum of verses
  Note 2: Quran 1:1 (bismAllah) has 19 letters using 10 Arabic letters.

  Note 3: There are 29 chapters that start with initial letters.
           19 Initialized chapters start with fully  initialized verses.
           10 Initialized chapters start with partly initialized verses.
```

Note 4: The 19th centered hexagonal number = 1027 = Alphabet_Primes1 value of verse 1:2
ٱلْحَمْدُ لِلَّٰهِ رَبِّ ٱلْعَٰلَمِينَ (Al-hamdu liAllahi Rabbi Al-3alameen).

http://en.wikipedia.org/wiki/Centered_hexagonal_number

```
      -------------------
      n      n^3-(n-1)^3
      -------------------
      1      1
      2      7
      3      19
      4      37
      5      61
      6      91
      7      127
      8      169
      9      217
      10     271
      11     331
      12     397
      13     469
      14     547
      15     631
      16     721
      17     817
      18     919
--->  19     1027         Alphabet_Primes1 value of ٱلْحَمْدُ لِلَّٰهِ رَبِّ ٱلْعَٰلَمِينَ
      20     1141
      21     1261
      22     1387
      23     1519
      24     1657
      25     1801
      26     1951
      27     2107
      28     2269
      29     2437
      30     2611
      ...
--->  334    333667       Sum of verse numbers in the Quran
      --------------
      The least significant digit follows the pattern 1-7-9-7-1
      where 17971 = P2060 = XP1090 and 1090 = C908          [pattern 227]
```

Pattern 19f:

```
      ------------------------------------
      Composites with 2 prime factors  (2D)
      ------------------------------------
      1     4      2      2
      2     6      2      3
      3     9      3      3
      4     10     2      5
      5     14     2      7
      6     15     3      5
      7     21     3      7
      8     22     2      11
      9     25     5      5
      10    26     2      13
      11    33     3      11
      12    34     2      17
      13    35     5      7
      14    38     2      19
      15    39     3      13
      16    46     2      23
      17    49     7      7
      18    51     3      17
      19    55     5      11
      ------------------------------
```

```
------------------------------------
Composites with 3 prime factors (3D)
------------------------------------
1     8     2     2     2
2     12    2     2     3
3     18    2     3     3
4     20    2     2     5
5     27    3     3     3
6     28    2     2     7
7     30    2     3     5
8     42    2     3     7
9     44    2     2     11
10    45    3     3     5
11    50    2     5     5
12    52    2     2     13
13    63    3     3     7
14    66    2     3     11
15    68    2     2     17
16    70    2     5     7
17    75    3     5     5
18    76    2     2     19
19    78    2     3     13
----------------------------------
```

2D19 = 55 and
3D19 = 78 where
chapter 55 has 78 verses.

Note 1: 313 is sacred!
313 = 4n+1 prime, n = 78
313 = 4×78+1 = 12^2 + 13^2
where
{12,21} and {13,31} are reversible squares:
12^2 = 144   21^2 = 441
13^2 = 169   31^2 = 961

Pattern 19g:

```
------------------------------------------
Composites with 4 prime factors (4D)
------------------------------------------
1     16    2     2     2     2
2     24    2     2     2     3
3     36    2     2     3     3
4     40    2     2     2     5
5     54    2     3     3     3
6     56    2     2     2     7
7     60    2     2     3     5
8     81    3     3     3     3
9     84    2     2     3     7
10    88    2     2     2     11
11    90    2     3     3     5
12    100   2     2     5     5
13    104   2     2     2     13
14    126   2     3     3     7
15    132   2     2     3     11
16    135   3     3     3     5
17    136   2     2     2     17
18    140   2     2     5     7
19    150   2     3     5     5
------------------------------------------
```
4D9 = 84 and 2D9 = 25 where chapter 84 has 25 verses.
4D10 = 88 and 2D10 = 26 where chapter 88 has 26 verses.
where
9 + 10 = 19

```
------------------------
Verse Number Repetitions
------------------------
Pattern 20:
```

Verse	Freq	Verse	Freq	Verse	Freq	Verse	Freq
1	114	64	35	130	8	196	4
2	114	65	34	131	8	197	4
3	114	66	34	132	8	198	4
4	111	67	34	133	8	199	4
5	109	68	34	134	8	200	4
6	105	69	34	135	8	201	3
7	103	70	33	136	7	202	3
8	101	71	33	137	7	203	3
9	96	72	33	138	7	204	3
10	95	73	33	139	7	205	3
11	95	74	32	140	7	206	3
12	90	75	32	141	7	207	2
13	88	76	30	142	7	208	2
14	87	77	30	143	7	209	2
15	86	78	29	144	7	210	2
16	85	79	27	145	7	211	2
17	85	80	27	146	7	212	2
18	84	81	27	147	7	213	2
19	82	82	27	148	7	214	2
20	79	83	27	149	7	215	2
21	77	84	26	150	7	216	2
22	76	85	26	151	7	217	2
23	74	86	25	152	7	218	2
24	74	87	25	153	7	219	2
25	73	88	25	154	7	220	2
26	72	89	23	155	7	221	2
27	71	90	22	156	7	222	2
28	71	91	22	157	7	223	2
29	69	92	22	158	7	224	2
30	66	93	22	159	7	225	2
31	63	94	21	160	7	226	2
32	62	95	21	161	7	227	2
33	62	96	21	162	7	228	1
34	62	97	20	163	7	229	1
35	61	98	20	164	7	230	1
36	60	99	19	165	7	231	1
37	59	100	18	166	6	232	1
38	58	101	18	167	6	233	1
39	57	102	18	168	6	234	1
40	57	103	18	169	6	235	1
41	55	104	18	170	6	236	1
42	55	105	18	171	6	237	1
43	54	106	18	172	6	238	1
44	53	107	18	173	6	239	1
45	52	108	18	174	6	240	1
46	50	109	18	175	6	241	1
47	49	110	17	176	6	242	1
48	49	111	16	177	5	243	1
49	49	112	14	178	5	244	1
50	48	113	13	179	5	245	1
51	47	114	13	180	5	246	1
52	47	115	13	181	5	247	1
53	44	116	13	182	5	248	1
54	43	117	13	183	4	249	1
55	41	118	13	184	4	250	1
56	40	119	12	185	4	251	1
57	39	120	12	186	4	252	1
58	39	121	11	187	4	253	1
59	39	122	11	188	4	254	1
60	38	123	11	189	4	255	1
61	36	124	10	190	4	256	1
62	36	125	10	191	4	257	1
63	35	126	10	192	4	258	1
		127	10	193	4	259	1
		128	10	194	4	260	1
		129	9	195	4	261	1

```
262   1            269   1            276   1            283   1
263   1            270   1            277   1            284   1
264   1            271   1            278   1            285   1
265   1            272   1            279   1            286   1
266   1            273   1            280   1           ----------
267   1            274   1            281   1       Sum 41041  6236
268   1            275   1            282   1           ----------
```

Pattern 20a:
The number of times a verse number appears in the Quran points to some verses-per-chapter
numbers directly:
         29 appears 69 times where chapter 29 has 69 verses
or reversely:
         19 appears 82 times where chapter 82 has 19 verses
         28 appears 71 times where chapter 71 has 28 verses
         73 appears 33 times where chapter 33 has 73 verses [pattern 19b]
        123 appears 11 times where chapter 11 has 123 verses
        129 appears 9 times where chapter 9 has 129 verses

Pattern 20b: Bi-directional symmetries:
         53 appears 44 times and 44 appeared 53 times
         54 appears 43 times and 43 appeared 54 times
         55 appears 41 times and 41 appeared 55 times
         57 appears 39 times and 39 appeared 57 times

    Note 1: 53+54+55+57 = 219
            44+43+41+39 = 167
            219 = DF167 = 167th deficient number.
            167 = P39   = 39th prime number.

Pattern 20c: +1 Offset:
        165 appears   7 times where chapter   8 has 165 verses
        111 appears 16 times where chapter 17 has 111 verses
        110 appears 17 times where chapter 18 has 110 verses
         98 appears 20 times where chapter 19 has 98 verses
         28 appears 71 times where chapter 72 has 28 verses
          4 appears 111 times where chapter 112 has   4 verses

Pattern 20d: -1 Offset:
        200 appears   4 times where chapter   3 has 200 verses
          8 appears 102 times where chapter 101 has   8 verses

Pattern 20e:
        1,2,3 appear 114 times where chapter 114 has 6 verses
        and 1+2+3 = 1×2×3 = 6 = perfect number where the 114th prime = 619
        and P619 = 4567 with 4 5 6 7 digits in ascending order [pattern 619a]

Pattern 20f:
        49 appear 49 times

Pattern 20g:
```
        ----------------------------
        Name          C     V    VFreq
        ----------------------------
```

Name	C	V	VFreq
الفاتحة	1	7	103
البقرة	2	286	1
آل عمران	3	200	4
النساء	4	176	6
المائدة	5	120	12
الأنعام	6	165	7
الأعراف	7	206	3
الأنفال	8	75	32
التوبة	9	129	9
يونس	10	109	18
هود	11	123	11
يوسف	12	111	16
الرعد	13	43	54
ابراهيم	14	52	47
الحجر	15	99	19
النحل	16	128	10

الإسراء	17	111	16
الكهف	18	110	17
مريم	19	98	20
طه	20	135	8
الأنبياء	21	112	14
الحج	22	78	29
المؤمنون	23	118	13
النور	24	64	35
الفرقان	25	77	30
الشعراء	26	227	2
النمل	27	93	22
القصص	28	88	25
العنكبوت	29	69	34
الروم	30	60	38
لقمان	31	34	62
السجدة	32	30	66
الأحزاب	33	73	33
سبإ	34	54	43
فاطر	35	45	52
يس	36	83	27
الصافات	37	182	5
ص	38	88	25
الزمر	39	75	32
غافر	40	85	26
فصلت	41	54	43
الشورى	42	53	44
الزخرف	43	89	23
الدخان	44	59	39
الجاثية	45	37	59
الأحقاف	46	35	61
محمد	47	38	58
الفتح	48	29	69
الحجرات	49	18	84
ق	50	45	52
الذاريات	51	60	38
الطور	52	49	49
النجم	53	62	36
القمر	54	55	41
الرحمن	55	78	29
الواقعة	56	96	21
الحديد	57	29	69
المجادلة	58	22	76
الحشر	59	24	74
الممتحنة	60	13	88
الصف	61	14	87
الجمعة	62	11	95
المنافقون	63	11	95
التغابن	64	18	84
الطلاق	65	12	90
التحريم	66	12	90
الملك	67	30	66
القلم	68	52	47
الحاقة	69	52	47
المعارج	70	44	53
نوح	71	28	71
الجن	72	28	71
المزمل	73	20	79
المدثر	74	56	40
القيامة	75	40	57
الانسان	76	31	63
المرسلات	77	50	48
النبإ	78	40	57
النازعات	79	46	50
عبس	80	42	55
التكوير	81	29	69
الإنفطار	82	19	82
المطففين	83	36	60
الإنشقاق	84	25	73
البروج	85	22	76
الطارق	86	17	85

```
الأعلى        87    19    82
الغاشية       88    26    72
الفجر         89    30    66
البلد         90    20    79
الشمس         91    15    86
الليل         92    21    77
الضحى         93    11    95
الشرح         94     8   101
التين         95     8   101
العلق         96    19    82
القدر         97     5   109
البينة        98     8   101
الزلزلة       99     8   101
العاديات     100    11    95
القارعة      101    11    95
التكاثر      102     8   101
العصر        103     3   114
الهمزة       104     9    96
الفيل        105     5   109
قريش         106     4   111
الماعون      107     7   103
الكوثر       108     3   114
الكافرون     109     6   105
النصر        110     3   114
المسد        111     5   109
الإخلاص      112     4   111
الفلق        113     5   109
الناس        114     6   105
----------------------------
Sum         6555  6236  6612
----------------------------
6612 - 6555   =    57
                   6612 = 2×29×114 = C5757
where pivot chapter 57 has 29 verses [pattern 9a]
```

Note 1: Chapters 9, 11 and 33 have 9, 11 and 33 last verse frequencies.

```
--------------------------
Chapters with Equal Verses
--------------------------
Pattern 21:
```

Name	C	V	1st	2nd	3rd	4th	5th
العصر	103	3	1				
الكوثر	108	3		2			
النصر	110	3			3		
قريش	106	4	1				
الإخلاص	112	4		2			
القدر	97	5	1				
الفيل	105	5		2			
المسد	111	5			3		
الفلق	113	5				4	
الكافرون	109	6	1				
الناس	114	6		2			
الفاتحة	1	7	1				
الماعون	107	7		2			
الشرح	94	8	1				
التين	95	8		2			
البينة	98	8			3		
الزلزلة	99	8				4	
التكاثر	102	8					5
الهمزة	104	9	1				
الجمعة	62	11	1				
المنافقون	63	11		2			
الضحى	93	11			3		
العاديات	100	11				4	
القارعة	101	11					5
الطلاق	65	12	1				
التحريم	66	12		2			
الممتحنة	60	13	1				
الصف	61	14	1				
الشمس	91	15	1				
الطارق	86	17	1				
الحجرات	49	18	1				
التغابن	64	18		2			
الإنفطار	82	19	1				
الأعلى	87	19		2			
العلق	96	19			3		
المزمل	73	20	1				
البلد	90	20		2			
الليل	92	21	1				
المجادلة	58	22	1				
البروج	85	22		2			
الحشر	59	24	1				
الإنشقاق	84	25	1				
الغاشية	88	26	1				
نوح	71	28	1				
الجن	72	28		2			
الفتح	48	29	1				
الحديد	57	29		2			
التكوير	81	29			3		
السجدة	32	30	1				
الملك	67	30		2			
الفجر	89	30			3		
الانسان	76	31	1				
لقمان	31	34	1				
الأحقاف	46	35	1				
المطففين	83	36	1				
الجاثية	45	37	1				
محمد	47	38	1				
القيامة	75	40	1				
النبإ	78	40		2			
عبس	80	42	1				
الرعد	13	43	1				
المعارج	70	44	1				
فاطر	35	45	1				

ق	50	45		2	
النازعات	79	46	1		
الطور	52	49	1		
المرسلات	77	50	1		
ابراهيم	14	52	1		
القلم	68	52		2	
الحاقة	69	52			3
الشورى	42	53	1		
سبإ	34	54	1		
فصلت	41	54		2	
القمر	54	55	1		
المدثر	74	56	1		
الدخان	44	59	1		
الروم	30	60	1		
الذاريات	51	60		2	
النجم	53	62	1		
النور	24	64	1		
العنكبوت	29	69	1		
الأحزاب	33	73	1		
الأنفال	8	75	1		
الزمر	39	75		2	
الفرقان	25	77	1		
الحج	22	78	1		
الرحمن	55	78		2	
يس	36	83	1		
غافر	40	85	1		
القصص	28	88	1		
ص	38	88		2	
الزخرف	43	89	1		
النمل	27	93	1		
الواقعة	56	96	1		
مريم	19	98	1		
الحجر	15	99	1		
يونس	10	109	1		
الكهف	18	110	1		
يوسف	12	111	1		
الإسراء	17	111		2	
الأنبياء	21	112	1		
المؤمنون	23	118	1		
المائدة	5	120	1		
هود	11	123	1		
النحل	16	128	1		
التوبة	9	129	1		
طه	20	135	1		
الأنعام	6	165	1		
النساء	4	176	1		
الصافات	37	182	1		
آل عمران	3	200	1		
الأعراف	7	206	1		
الشعراء	26	227	1		
البقرة	2	286	1		

```
-----------------------------------------------------------
Count          114    114    77    24     8     3     2
-----------------------------------------------------------
Unique         114    114   77-24  24-8  8-3   3-2    2
Count                        53    16     5     1     2
-----------------------------------------------------------
```

Pattern 21a:
      There are 53 chapter singlets
      There are 16 chapter doublets
      There are 5 chapter triplets
      There are 1 chapter quadruplet
      There are 2 chapter quintuplets

  Note 1: 53 and 16 points to the 1653   [pattern 8].

Pattern 21b:
```
      There are 7 consecutive chapter doublets:
      ----------------------
      #       C      V
      ----------------------
      1       62     11
              63     11
      2       65     12
              66     12
      3       68     52
              69     52
      4       71     28
              72     28
      5       94     8
              95     8
      6       98     8
              99     8
      7       100    11
              101    11
      ----------------------
  Sum 28      1123   260
      ----------------------
```

  Note 1: Quran 15:87
          "We have give you seven of the doublets and the Grand Quran."

  Note 2: Sum of reverse doublet chapters and reverse verses is a multiple of 114:
```
      ---------------------------------
      #       C      V      rC     rV
      ---------------------------------
      1       62     11     26     11
              63     11     36     11
      2       65     12     56     21
              66     12     66     21
      3       68     52     86     25
              69     52     96     25
      4       71     28     17     82
              72     28     27     82
      5       94     8      49     8
              95     8      59     8
      6       98     8      89     8
              99     8      99     8
      7       100    11     001    11
              101    11     101    11
      ---------------------------------
  Sum 28      1123   260    808    332
      ---------------------------------
      where                808  +  332 = 1140 = 10×114
```

Pattern 21c:
      Chapter C21 (30) has P21 (73) verses.

Special Chapters

Pattern 22a: Chapter 5   has 120 (5! = 1×2×3×4×5) verses

Pattern 22b: Chapter 16 (2×2×2×2) has 128 (2×2×2×2×2×2×2) verses

Pattern 22c: Chapter 36 (2×2×3×3) has 729 (3×3×3×3×3×3) words

Pattern 22d: There are 18 chapters have 3-digit verses:

```
        ---------------------
        #     C     V
        ---------------------
        1     2     286
        2     3     200
        3     4     176
        4     5     120
        5     6     165
        6     7     206
        7     9     129
        8     10    109
        9     11    123
        10    12    111
        11    16    128
        12    17    111
        13    18    110 <-- 13th chapter
        14    20    135
        15    21    112
        16    23    118
        17    26    227
        18    37    182
        ---------------------
        Sum   247   2748
        ---------------------
```

  Note 1: Chapter sum = 247 = 13×19 and the 13th chapter is number 18

  Note 2: Verse sum   = 2748 = 3×2×2×229   [pattern 229]

Pattern 22e: Chapter 36 has 83 verses and Chapter 83 has 36 verses.

Pattern 22f: Chapter 13 has 43 verses and Chapter 31 has 34 verses.

```
----------------------------------------------
Fully connected Directed Graph with 23 Levels
----------------------------------------------
```

Pattern 23a: The directed graph shown at http://heliwave.com/QuranGrid0.png
             for v = verses per chapter --> chapters[v mod 114]
             is fully connected which is a non-trivial occurrence
             and has 23 levels where the Quran was revealed over 23 lunar years
             and 23 "1"s [11111111111111111111111] is a prime repunit (repeated units)
             where (N mod 114) means the remainder (0-113) after dividing N by 114.

Example:
Chapter 87 with v = 19 verses points to chapter[19 mod 114] = chapter 20
Chapter 20 with v = 135 verses points to chapter[135 mod 114] = chapter[21] = chapter 22
Chapter 22 with v = 78 verses points to chapter[78 mod 114] = chapter 79
Chapter 79 with v = 46 verses points to chapter[46 mod 114] = chapter 47
...

Pattern 23b: The natural directed graph shown at http://heliwave.com/QuranGrid.png
             for v = verses per chapter --> chapters[(v mod 114) + 1]
             is disconnected into 3 sub-networks yet still has 23 levels too.

Example:
Chapter 1 has   7 verses which points to chapter 7
Chapter 7 has 206 verses which points to chapter (206 mod 114) = 92
Chapter 92 has 21 verses which points to chapter 21
Chapter 21 has 112 verses which points to chapter 112
...

Software:
        http://heliwave.com/QuranGrid.zip
        http://heliwave.com/23.pdf   <-- 23rd Ramadhan = Night of Power.

Pattern 23c: Sum of digits of all numbers from 1 to 23 = 114
     1+2+3+4+5+6+7+8+9+1+0+1+1+1+2+1+3+1+4+1+5+1+6+1+7+1+8+1+9+2+0+2+1+2+2+2+3 = 114
    where
        The 114th's reverse of 23 is 91
    and
        23114 ÷ 91 = 254
         41132 ÷ 91 = 452   [pattern 91 note 2]

Most Repeated Verse

Pattern 31a:
The most repeated verse in the Quran [فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ] is repeated 31 times in
chapter 55 (The Merciful) at positions:
        13,
        16, 18,
        21, 23, 25,
        28, 30, 32, 34, 36, 38, 40, 42,
        45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77
        with 21 odd   and 10 even   verse positions.
        with 9 prime and 22 composite verse positions.

Pattern 31b:
        The most repeated verse has a verse sum = 1433
        13 + 16 + 18 + 21 + 23 + 25 + 28 + 30 + 32 + 34 + 36 + 38 + 40 + 42 +
        47 + 49 + 51 + 53 + 55 + 57 + 59 + 61 + 63 + 65 + 67 + 69 + 71 + 73 + 75 + 77
        = 1433
        = P227   <-- [pattern 227]
        = AP123   <-- 1 2 3

  Note 1: Alphabet_Primes1 value of "مستقيم = Mustaqeem" = 400 = P321 <-- 3 2 1

Pattern 31c:
        The Alphabet_Primes1 value of the most repeated verse is 683   = P124
        where the verse has 4 words and is repeated 31 times where 4×31 = 124
        See http://heliwave.com/1433.html

```
--------------------------
Chapters with Prime Verses
--------------------------
Pattern 32:
      There are 32 chapters with prime verses,
      There are 30 chapters with prime numbers,
      Chapter   32 has 30 verses.

      Chapter 53 has 62 verses where  5 = P3 and  6 = C2
      Chapter 47 has 38 verses where P4 =  7 and C3 =  8
      +        ---    ---
      Sum      100    100
```

```
--------------------
Reverse Prime Numbers
--------------------
Pattern 37a: Reverse prime numbers with reverse prime indices.
             37   = P12
             73   = P21

  Note 1a:  12×12 = 144
            21×21 = 441
  Note 1b:  12 in base-19 = 21 in base-10
            BismAllah has 19 letters
            BismAllah has 10 unique letters

  Note 2a:  C12  = 21
  Note 2b:  C21  = 33 where Chapter C21 (33) has P21 (73) verses.

  Note 3a:  12+21 = 33 = C21 = AC12
            XC12  = C33
  Note 3b:  P21   = AC33 + 1
            XC12  = AC21 + 1
  Note 3c:  XC33  =                                    120
            114   = C83-P23-P9-C4-C1
            where    83+ 23+ 9+ 4+ 1 =                 120
            and      83- 23- 9+ 4+ 1 = 56   where SumDiv(56) = 120
            AP21  = P37             =                  DF120

  Note 4:   144   =  33rd Abundant number

  Note 5a:  37    = 2×19-1
  Note 5b:  73    = 2×37-1

  Note 6a:  19    = 2×9 +1
            37    = 4×9 +1
            73    = 8×9 +1
        where 19, 37 and 73 are the only double-digit XP primes with digit sums = 10.
  Note 6b:  37    = 4×9 +1                      [pattern 449b]
            73    = 4×18+1                      [pattern 449b]

  Note 7:   441-144 = 297                       [pattern 297]

  Note 8:   2^3+5^7+11^13+17^19+23^29+31^37 =
            15148954872646850196557152427604893685308877022260348791
            is a 56-digit additive prime with a digit sum = 263       [pattern 263a]
            where 263 = P56
            and   263 +  56 = 319

  Note 9:   2^37+3^31+5^29+7^23+11^19+13^17+17^13+19^11+23^7+29^5+31^3+37^2 =
            283453407513524913023
            is a 21-digit additive prime with a digit sum = 74 = 2×37

  Note 10:  1+2+3+4+5+6+7+9 = 37
            12345679×3      = 37037037
            which excludes 8 where P8 = 19
```

Note 11:   The sum of the first 37 primes is the 19th Fibonacci number:
           2+3+5+7+11+13+17+19+23+29+31+37+41+43+47+53+59+61+67+71+73+79+83+89+97+
           101+103+107+109+113+127+131+137+139+149+151+157 = 2584
           Fibonacci series: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377,...
           http://en.wikipedia.org/wiki/Fibonacci_number

Note 12:   The sum of the first five composites is 37:
           4+6+8+9+10 = 37

Note 13:   37 and 73 are the only emirp (or reversible prime) where
           37!+1 is prime and 73!+1 is prime too.

Note 13a: 37!+1 = 13763753091226345046315979581580902400000001
          with   44 digits and with a digit sum = 154
          where 154 - 44 = 110 = 37+73

Note 13b: 73!+1 = 4470115461512684340891257138125051110076800700282905015801908009
                  23704221040671833170169036800000000000000001
          where 106 digits and digit sum = 316
          316 - 106 = 210 = 2×3×5×7

Note 14: (37×7)-(73×3) = (7-3)×(7+3) = 40

Note 15:
        The 37th Mersenne prime exponent is emirp (reversible prime: 3021377 and 7731203).

Note 16a: 157 = P37 = AP21
          313 = P65 = AP37
          439 = P85 = XP37
           54 = C37 = AC23
           80 = C57 = AC37
          133 = C100 = XC37
Note 16b: 367 = P73 = AP31
          797 = P139 = AP73
          907 = P155 = XP73
           99 = C73 = AC49
          150 = C114 = AC73
          287 = C225 = XC73

Note 17: Every natural number is the sum of at most 4 squares, 9 cubes,
         19 fourth powers and 37 fifth powers. (Waring's problem)

Note 18: (6+6+6)×37 = 666

Note 19: 37 is a centered hexagonal number { 1, 7, 19, 37, 61, 91, 127, 169, 217,
         271, 331, 397, 469, 547, 631, 721, 817, 919, ... }
  The sum of the first n centered hexagonal numbers is n^3.
  In base-10, the hexagonal numbers' rightmost digits follow the pattern 1-7-9-7-1.

Pattern 37b: There are 58, 63, 59, 55 odd numbers in the forward running sums of
             chapters, verses, words and letters respectively.
             There are 57, 63, 59, 55 odd numbers in the backward running sums of
             chapters, verses, words and letters respectively.
             http://heliwave.com/QuranFactors.xls

Pattern 37c:
Chapters with 29 verses have forward or backward running verse sums divisible by 29:
          Chapter 48 has a backward running verse sum = 29×57 = 1653   [pattern 8]
          Chapter 57 has a forward running verse sum = 29×352
          Chapter 81 has a forward running verse sum = 29×200

Pattern 37d: Chapter 18 has a forward running verse sum = 18×5^3
             Chapter 18 has a backward running verse sum =   2^12

Pattern 37e: Chapter 22 has a forward running verse sum = 11×3^5 where 11 is half 22
             Chapter 26 has a forward running verse sum = 13×3^5 where 13 is half 26

Pattern 37f: Chapter 29 has a backward running verse sum = 16×181
             Chapter 27 has a backward running verse sum = 17×181
             Chapters 27 and 28 have a verse sum   =   181

Note 1: There are 14 2-chapter groups with verse sum   =   181
```
        ------------------------------------
        C1     V1     C2     V2     V1+V2
        ------------------------------------
        4      176    113    5      181
        4      176    111    5      181
        4      176    105    5      181
        4      176    97     5      181
        20     135    79     46     181
        9      129    69     52     181
        9      129    68     52     181
        40     85     56     96     181
        16     128    42     53     181
        27     93     38     88     181
        19     98     36     83     181
        21     112    29     69     181
        27     93     28     88     181
        9      129    14     52     181
        ------------------------------------
```

Note 2: 181 = P42 where 42 is the number of chapters of a mini book
        with a pivot chapter 21.   [pattern 9a, 16b note 1]

Pattern 37g: Chapter 29 has a forward running verse sum =   7×487
        Chapter 30 has a forward running verse sum = 3469 = P487

Pattern 37h: Chapters with 19 verses point to 37.
        There are 3 chapters with 19 verses: 82, 87 and 96.
        Let:
        d = Remaining chapters   = 114 -   3 = 111 =   3×37
        dC = Remaining chapter sum = 6555 - (96+87+82) = 6290 =   170×37
        dV = Remaining verse   sum = 6236 - (19+19+19) = 6179 =   167×37
        ----
        dC - dV   = (170×37)-(167×37) = 111 =   3×37

Paired Chapters

Pattern 57a: There are 57 pairs of chapters with equal number of verses:
```
        ------------------------------------
        #      C1     V1     C2     V2
        ------------------------------------
        1      103    3      108    3
        2      103    3      110    3
        3      108    3      110    3
        4      106    4      112    4
        5      97     5      105    5
        6      97     5      111    5
        7      97     5      113    5
        8      105    5      111    5
        9      105    5      113    5
        10     111    5      113    5
        11     109    6      114    6
        12     1      7      107    7
        13     94     8      95     8
        14     94     8      98     8
        15     94     8      99     8
        16     94     8      102    8
        17     95     8      98     8
        18     95     8      99     8
        19     95     8      102    8
        20     98     8      99     8
        21     98     8      102    8
        22     99     8      102    8
        23     62     11     63     11
        24     62     11     93     11
        25     62     11     100    11
        26     62     11     101    11
```

```
27     63     11     93     11
28     63     11    100     11
29     63     11    101     11
30     93     11    100     11
31     93     11    101     11
32    100     11    101     11
33     65     12     66     12
34     49     18     64     18
35     82     19     87     19
36     82     19     96     19
37     87     19     96     19
38     73     20     90     20
39     58     22     85     22
40     71     28     72     28
41     48     29     57     29
42     48     29     81     29
43     57     29     81     29
44     32     30     67     30
45     32     30     89     30
46     67     30     89     30
47     75     40     78     40
48     35     45     50     45
49     14     52     68     52
50     14     52     69     52
51     68     52     69     52
52     34     54     41     54
53     30     60     51     60
54      8     75     39     75
55     22     78     55     78
56     28     88     38     88
57     12    111     17    111
       ------------------------------------
Sum  1653   4012   1287   4971   1287
       ------------------------------------
```

Pattern 57b: There are 57 chapters with number of verses repeated prime times:

```
       --------------------
       #      C      V
       --------------------
       1     103      3
       2     108      3
       3     110      3
       4     106      4
       5     112      4
       6     109      6
       7     114      6
       8       1      7
       9     107      7
      10      94      8
      11      95      8
      12      98      8
      13      99      8
      14     102      8
      15      62     11
      16      63     11
      17      93     11
      18     100     11
      19     101     11
      20      65     12
      21      66     12
      22      49     18
      23      64     18
      24      82     19
      25      87     19
      26      96     19
      27      73     20
      28      90     20
      29      58     22
      30      85     22
      31      71     28
```

```
         32      72      28
         33      48      29
         34      57      29
         35      81      29
         36      32      30
         37      67      30
         38      89      30
         39      75      40
         40      78      40
         41      35      45
         42      50      45
         43      14      52
         44      68      52
         45      69      52
         46      34      54
         47      41      54
         48      30      60
         49      51      60
         50       8      75
         51      39      75
         52      22      78
         53      55      78
         54      28      88
         55      38      88
         56      12     111
         57      17     111
         -------------------
   Sum  1653    3873    1830
         -------------------
```

Note 1: 1830 ~= proton mass ÷ electron mass = 1836.15267
        with golden ratio-based constants, it may be exactly 1830 if:
        elementary charge = golden ratio × 10^-19 Coulomb
        See http://heliwave.com/UnionDipole.pdf

Note 2: Chapter 57 is named The Iron or الحديد with:
the word الحديد has an Abjad_Gematria value = 57 = the atomic weight of Iron-57 isotope.
the word حديد has an Abjad_Gematria value = 26 = the atomic number of Iron

```
-------------------------
Reverse Composite Numbers
-------------------------
```

Pattern 91: For any integer A there is at least one integer (B + 91n) such that:
          B = MOD(9*FLOOR(B1/POWER(10,LEN(B1)-1),1)+10*MOD(B1,POWER(10,LEN(B1)-1)), 91)
          [Excel Formula works for 1- and 2-digit numbers only!]
          n = 0, 1, 2, ...
          where
          ABC ÷ 91 = XYZ   and   CBA ÷ 91 = ZYX

Note 1: Quran = 114 chapters = 6236 verses and was revealed over 114-91 = 23 lunar years:
          23114 ÷ 91 =   254   and   41132 ÷ 91 =   452
         236236 ÷ 91 = 2596   and   632632 ÷ 91 = 6952
        1146236 ÷ 91 = 12596   and   6326411 ÷ 91 = 69521

Note 2: Alphabet_Primes1 value of "أم الكتب" or "Mother of the Book" = 263
        Alphabet_Primes1 value of "أم"   or "Mother"   = 91

Multiple of 110 Verses

Pattern 110: Chapter 18 has 110 verses.

Up to chapter 18, the sum of chapter numbers with verse numbers multiple of 110 is 110:

```
        -------------------
        #       C       V
        -------------------
        1       2       286
        2       3       200
        3       4       176
        4       5       120
        5       6       165
        6       7       206
        7       9       129
        8       11      123
        9       12      111
        10      16      128
        11      17      111
        12      18      110
        -------------------
        Sum     110     1865
        -------------------
```

   Note 1: Sum of Chapter × Verse (number multiple of 110) is a multiple of 114:

```
        ----------------------------
        #       C       V       C×V
        ----------------------------
        1       2       110     220
        2       2       220     440
        3       3       110     330
        4       4       110     440
        5       5       110     550
        6       6       110     660
        7       7       110     770
        8       9       110     990
        9       11      110     1210
        10      12      110     1320
        11      16      110     1760
        12      17      110     1870
        13      18      110     1980
        ----------------------------
        Sum     112     1540    12540
        ----------------------------
```
        12540 = 114×110 where 114 is the number of chapters in the Quran.

   Note 2: There are 19 verses numbered multiple of 110 in the Quran:

```
        --------------------
        #       C       V
        --------------------
        1       2       110
        2       2       220
        3       3       110
        4       4       110
        5       5       110
        6       6       110
        7       7       110
        8       9       110
        9       11      110
        10      12      110
        11      16      110
        12      17      110
        13      18      110
        14      20      110
        15      21      110
        16      23      110
        17      26      110
        18      26      220
        19      37      110
```

```
        ---------------------
        Sum    265    2310
        ---------------------


        12540 + 19^2 = 6555 + 6236 + 110
        where
        6555 is the sum of chapter numbers and
        6236 is the sum of chapter verses (number of verses in the Quran)

   Note 3: The Abjad_Gematria value of Ali (علي) is 110
        The first occurrence of the text (علي) in the Quran is at position 110
        within the word (عليهم) in chapter 1 (الفاتحة).
```

```
----------------------------
Long Primes (Reptent Primes)
----------------------------
Pattern 113:
        cyclic number = [b^(p-1)  -  1] ÷ p
        b = number system base (binary, octal, decimal, hexadecimal, etc.)
        p = long prime (or full reptend primes)
        http://en.wikipedia.org/wiki/Cyclic_number

Long Primes:
7, 17, 19, 23, 29, 47, 59, 61, 97, 109, 113, 131, 149, 167, 179, 181, 193, 223, 229, 233,
257, 263, 269, 313, 337, 367, 379, 383, 389, 419, 433, 461, 487, 491, 499, 503, 509, 541,
571, 577, 593, 619, 647, 659, 701, 709, 727, 743, 811, 821, 823, 857, 863, 887, 937, 941,
953, 971, 977, 983, …
http://en.wikipedia.org/wiki/Full_reptend_prime

        229 is the 19th long prime (229 = LP19) while 229 = AP30, 30 = C19
        269 is the 23rd long prime (269 = LP23)
        619 is the 42nd long prime (619 = LP42)

A cyclic number is an integer in which cyclic permutations of the digits are successive
multiples of the number. The most widely known is the six-digit number 142857:
        142857×1 = 142857
        142857×2 = 285714
        142857×3 = 428571
        142857×4 = 571428
        142857×5 = 714285
        142857×6 = 857142

        There are 11 chapters with long prime numbers:
        ----------------------------
        #      Name         C      V
        ----------------------------
        1      الأعراف       7     206
        2      الإسراء      17     111
        3      مريم        19      98
        4      المؤمنون     23     118
        5      العنكبوت     29      69
        6      محمد        47      38
        7      الحشر       59      24
        8      الصف        61      14
        9      القدر       97       5
        10     الكافرون    109      6
        11     الفلق       113      5
        ----------------------------
        Sum               581    694
        ----------------------------
        where 694 - 581 = 113

        There are 11 chapters with long prime verses:
        ----------------------------
        #      Name         C      V
        ----------------------------
        1      الفاتحة       1       7
        2      الماعون     107      7
        3      الطارق       86      17
```

```
4        الإنفطار         82    19
5        الأعلى           87    19
6        العلق            96    19
7        الفتح            48    29
8        الحديد           57    29
9        التكوير          81    29
10       الدخان           44    59
11       يونس             10   109
        ------------------------------
        Sum              699   343
        ------------------------------
```

where 699 - 343 = 356 = C284   284 = AC150   150 = C114   [pattern 114b]

```
-----------
Pattern 114
-----------
```

Pattern 114a:

        114th prime = 619
        114   = 6×19
        Chapter 114 has 6 verses
        Digit sum of 114 = 1+1+4 = 6
        Quran 74:30 "Guarded by nineteen."

  Note 1: "There is no god but Allah. Muhammed is the Messenger of Allah."
        لا اله الا الله محمد رسول الله Frequency_Linear value = 114
        لا اله الا الله محمد رسول الله Abjad_Gematria   value = 619

  Note 2: There are 13 verses in the Quran whose number = 114.
          The occurrence of letters of "كتاب الله" in them = 619.

          There are 4 verses in the Quran with the word "كتاب".
          The occurrence of letters of "كتاب الله" in them = 114.

  Note 3: "There is no god but Allah. Muhammed is the Messenger of Allah.
           Ali is the Patron of Allah."
        لا اله الا الله محمد رسول الله علي ولي الله has a Frequency_4n+1 value = 2×619 = C1034
        where 1034 is the Alphabet_Primes1 value of بسم الله الرحمن الرحيم
        لا اله الا الله محمد رسول الله علي ولي الله has an Abjad_Gematria value = 29×29 = 4×210+1
        where 210 is the Alphabet_Primes1 value of the word محمد

  Note 4: Total number of letters in the last word of each chapter (114 words) = 619

  Note 5: 114 is the 83rd   composite number
          114 is the 53rd   additive-composite number

          319 is the 83rd non-additive composite number
          619 is the 53rd non-additive prime   number

          Chapter 83 has 36 verses
          Chapter 53 has 62 verses
          The Quran has 6236 verses

  Note 6: The name of chapter 58 المجادلة has an Abjad_Gematria value = 114
          The word احصيه is the 114th word in the chapter without bismAllah.
          The word احصيه   has an Abjad_Gematria value = 114

          Quran 58:6 in Simplified29
          يوم يبعثهم الله جميعا فينبيهم بما عملوا احصيه الله ونسوه والله علي كل شيء شهيد

          The first word يوم (day) is followed by 365 words in the chapter.

          يوم يبعثهم الله جميعا فينبيهم بما عملوا احصيه has an Abjad_Gematria value = 1374
          الله ونسوه والله علي كل شيء شهيد   has an Abjad_Gematria value = 1055
          The difference   1374 - 1055 = 319
          The last word شهيد (witness)   has an Abjad_Gematria value = 319

          Chapter 58 is the 57th chapter with 114 words or more.

The word احصيه is the 57th word in the Quran with an Abjad_Gematria value = 114

#	Text	Chapter	Verse	Word
1	ونحن	2	30	18
2	ونحن	2	133	25
3	ونحن	2	136	29
4	ونحن	2	138	8
5	ونحن	2	139	12
6	ونحن	2	247	17
7	جامع	3	9	3
8	ونحن	3	84	27
9	يمدكم	3	124	7
10	ونحن	3	181	10
11	اصابك	4	79	2
12	اصابك	4	79	8
13	ويامنوا	4	91	6
14	نجويهم	4	114	6
15	جامع	4	140	28
16	وليحكم	5	47	1
17	باسنا	6	43	4
18	باسنا	6	148	22
19	باسنا	7	4	6
20	باسنا	7	5	6
21	وبينهما	7	46	1
22	نجينا	7	89	12
23	باسنا	7	97	6
24	باسنا	7	98	6
25	ونحن	9	52	8
26	واطمانوا	10	7	9
27	نجينا	11	58	4
28	نجينا	11	66	4
29	نجينا	11	94	4
30	ونحن	12	8	9
31	ونحن	12	14	5
32	باسنا	12	110	16
33	عمد	13	2	6
34	ونحن	15	23	5
35	لبامام	15	79	4
36	الجميل	15	85	14
37	جمعا	18	99	11
38	باسنا	21	12	3
39	نجينا	23	28	12
40	انساب	23	101	6
41	كلحون	23	104	6
42	والطيبون	24	26	7
43	جامع	24	62	12
44	الكنوز	28	76	11
45	جمعا	28	78	23
46	ونحن	29	46	23
47	عمد	31	10	4
48	اصابك	31	17	12
49	باسنا	40	84	3
50	باسنا	40	85	7
51	وحق	41	25	11
52	اوليا وكم	41	31	2
53	فيوحي	42	51	16
54	نجينا	44	30	2
55	ونحن	50	16	9
56	ونحن	56	85	1
---> 57	احصيه	58	6	8
58	وزنوهم	83	3	4
59	جمعا	100	5	3
60	عمد	104	9	2
Sum		1251	3988	556

Note 7: The 6x6 magic square from 1 to 37 skipping 19 has a magic sum = 114

13	7	1	37	31	25
12	5	24	15	32	26
21	29	34	2	10	18
6	20	11	30	14	33
35	17	28	8	23	3
27	36	16	22	4	9

Note 8a:
    The first 7 verses of the Quran use 109 letters of are verse   1's letters.
    The last 7 verses of the Quran use 109 letters of are chapter 1's letters.

    The first 109 letters has a sum of letter position sums = 5995
    The sum of the Abjad_Gematria values   = 5995

    where the 5995th composite = 6881 = 4×1720+1   [pattern 506a note 2]
    1720 = sum of the 10 non-additive primes up to 506 with digit sum = 10

    Abjad_Gematria

    Letter Value

    ا   1
    ب   2
    ج   3
    د   4
    ه   5
    و   6
    ز   7
    ح   8
    ط   9
    ي   10
    ك   20
    ل   30
    م   40
    ن   50
    س   60
    ع   70
    ف   80
    ص   90
    ق   100
    ر   200
    ش   300
    ت   400
    ث   500
    خ   600
    ذ   700
    ض   800
    ظ   900
    غ   1000

    Sum   5995

 Note 8b:
    First 109 letters = First 23 words = 6229   in Simplified29_Alphabet_Primes1

    6229 = number of verses in the Message of the Quran:
         Quran = Key + Message
         114   = 1   + 113   chapters
         6236 = 7   + 6229   verses

    6229 = P811
    811   = number of prime verses in the Quran.

Note 8c:
First 23 words of chapter 1 (الفاتحة) = P661   in Simplified29_Appearance_4n-1
First 23 words of chapter 1 (الفاتحة) = C661   in Simplified29_Appearance_Linear
First 23 words of chapter 1 (الفاتحة) = C661   in Simplified29_Initials_Frequency

Appearance_4n-1		Appearance_Linear		Initials_Frequency	
Letter	Value	Letter	Value	Letter	Value
ب	3	ب	1	ء	0
س	7	س	2	ا	13
م	11	م	3	ب	0
ا	19	ا	4	ت	0
ل	23	ل	5	ث	0
ه	31	ه	6	ج	0
ر	43	ر	7	ح	7
ح	47	ح	8	خ	0
ن	59	ن	9	د	0
ي	67	ي	10	ذ	0
د	71	د	11	ر	6
ع	79	ع	12	ز	0
ك	83	ك	13	س	5
و	103	و	14	ش	0
ت	107	ت	15	ص	3
ص	127	ص	16	ض	0
ط	131	ط	17	ط	4
ق	139	ق	18	ظ	0
ذ	151	ذ	19	ع	2
غ	163	غ	20	غ	0
ض	167	ض	21	ف	0
ف	179	ف	22	ق	2
ز	191	ز	23	ك	1
خ	199	خ	24	ل	13
ء	211	ء	25	م	17
ش	223	ش	26	ن	1
ظ	227	ظ	27	ه	2
ج	239	ج	28	و	0
ث	251	ث	29	ي	2

Pattern 114b:
http://en.wikipedia.org/wiki/Amicable_numbers
First pair of amicable numbers is (220, 284) as:
Sum of proper divisors of 220 = 1+2+4+5+10+11+20+22+44+55+110 = 284
Sum of proper divisors of 284 = 1+2+4+71+142   = 220

AC114 = 220
 C114 = 150
     AC150 = 284

Pattern 114c:
There are 114 primes up to 6236 with prime+index as prime.
The 19th such prime is 521 with index 98 where chapter 19 has 98 verses.
521 + 98 = 619 = P114

Index	Prime	Sum	iPSum	#	iCSum	#
1	2	3	2	1		
2	3	5	3	2		
3	5	8			3	1
4	7	11	5	3		
5	11	16			9	2
6	13	19	8	4		
7	17	24			14	3
8	19	27			17	4
9	23	32			20	5
10	29	39			26	6
11	31	42			28	7
12	37	49			33	8

13	41	54			37	9
14	43	57			40	10
15	47	62			43	11
16	53	69			49	12
17	59	76			54	13
18	61	79	22	5		
19	67	86			62	14
20	71	91			66	15
21	73	94			69	16
22	79	101	26	6		
23	83	106			78	17
24	89	113	30	7		
25	97	122			91	18
26	101	127	31	8		
27	103	130			98	19
28	107	135			102	20
29	109	138			104	21
30	113	143			108	22
31	127	158			120	23
32	131	163	38	9		
33	137	170			130	24
34	139	173	40	10		
35	149	184			141	25
36	151	187			144	26
37	157	194			149	27
38	163	201			154	28
39	167	206			159	29
40	173	213			165	30
41	179	220			172	31
42	181	223	48	11		
43	191	234			182	32
44	193	237			185	33
45	197	242			188	34
46	199	245			191	35
47	211	258			202	36
48	223	271	58	12		
49	227	276			217	37
50	229	279			219	38
51	233	284			222	39
52	239	291			229	40
53	241	294			231	41
54	251	305			242	42
55	257	312			247	43
56	263	319			252	44
57	269	326			259	45
58	271	329			262	46
59	277	336			268	47
60	281	341			272	48
61	283	344			275	49
62	293	355			283	50
63	307	370			296	51
64	311	375			300	52
65	313	378			303	53
66	317	383	76	13		
67	331	398			319	54
68	337	405			325	55
69	347	416			335	56
70	349	419	81	14		
71	353	424			341	57
72	359	431	83	15		
73	367	440			354	58
74	373	447			360	59
75	379	454			366	60
76	383	459			370	61
77	389	466			375	62
78	397	475			383	63
79	401	480			387	64
80	409	489			395	65
81	419	500			404	66
82	421	503	96	16		

83	431	514			416	67
84	433	517			419	68
85	439	524			424	69
86	443	529			429	70
87	449	536			436	71
88	457	545			444	72
89	461	550			448	73
90	463	553			451	74
91	467	558			455	75
92	479	571	105	17		
93	487	580			473	76
94	491	585			478	77
95	499	594			485	78
96	503	599	109	18		
97	509	606			495	79
---> 98	521	619	114	19		
99	523	622			507	80
100	541	641	116	20		
101	547	648			529	81
102	557	659	120	21		
103	563	666			544	82
104	569	673	122	22		
105	571	676			553	83
106	577	683	124	23		
107	587	694			568	84
108	593	701	126	24		
109	599	708			581	85
110	601	711			583	86
111	607	718			590	87
112	613	725			596	88
113	617	730			600	89
114	619	733	130	25		
115	631	746			613	90
116	641	757	134	26		
117	643	760			625	91
118	647	765			629	92
119	653	772			635	93
120	659	779			641	94
121	661	782			644	95
122	673	795			656	96
123	677	800			660	97
124	683	807			667	98
125	691	816			674	99
126	701	827	144	27		
127	709	836			690	100
128	719	847			700	101
129	727	856			708	102
130	733	863	150	28		
131	739	870			719	103
132	743	875			724	104
133	751	884			730	105
134	757	891			736	106
135	761	896			741	107
136	769	905			750	108
137	773	910			754	109
138	787	925			767	110
139	797	936			777	111
140	809	949			787	112
141	811	952			790	113
142	821	963			800	114
143	823	966			803	115
144	827	971	164	29		
145	829	974			809	116
146	839	985			818	117
147	853	1000			831	118
148	857	1005			836	119
149	859	1008			839	120
150	863	1013	170	30		
151	877	1028			855	121
152	881	1033	174	31		

153	883	1036			861	122
154	887	1041			865	123
155	907	1062			883	124
156	911	1067			887	125
157	919	1076			895	126
158	929	1087	181	32		
159	937	1096			912	127
160	941	1101			916	128
161	947	1108			922	129
162	953	1115			928	130
163	967	1130			940	131
164	971	1135			945	132
165	977	1142			952	133
166	983	1149			959	134
167	991	1158			966	135
168	997	1165			972	136
169	1009	1178			984	137
170	1013	1183			988	138
171	1019	1190			994	139
172	1021	1193	196	33		
173	1031	1204			1006	140
174	1033	1207			1009	141
175	1039	1214			1015	142
176	1049	1225			1024	143
177	1051	1228			1027	144
178	1061	1239			1035	145
179	1063	1242			1038	146
180	1069	1249	204	34		
181	1087	1268			1062	147
182	1091	1273			1067	148
183	1093	1276			1070	149
184	1097	1281			1073	150
185	1103	1288			1079	151
186	1109	1295			1084	152
187	1117	1304			1090	153
188	1123	1311			1096	154
189	1129	1318			1103	155
190	1151	1341			1123	156
191	1153	1344			1126	157
192	1163	1355			1137	158
193	1171	1364			1145	159
194	1181	1375			1154	160
195	1187	1382			1160	161
196	1193	1389			1167	162
197	1201	1398			1176	163
198	1213	1411			1187	164
199	1217	1416			1192	165
200	1223	1423	224	35		
201	1229	1430			1203	166
202	1231	1433	227	36		
203	1237	1440			1211	167
204	1249	1453	231	37		
205	1259	1464			1231	168
206	1277	1483	235	38		
207	1279	1486			1250	169
208	1283	1491			1253	170
209	1289	1498			1259	171
210	1291	1501			1261	172
211	1297	1508			1268	173
212	1301	1513			1272	174
213	1303	1516			1275	175
214	1307	1521			1280	176
215	1319	1534			1291	177
216	1321	1537			1294	178
217	1327	1544			1300	179
218	1361	1579	249	39		
219	1367	1586			1335	180
220	1373	1593			1342	181
221	1381	1602			1349	182
222	1399	1621	257	40		

223	1409	1632			1373	183
224	1423	1647			1387	184
225	1427	1652			1392	185
226	1429	1655			1395	186
227	1433	1660			1399	187
228	1439	1667	262	41		
229	1447	1676			1412	188
230	1451	1681			1417	189
231	1453	1684			1420	190
232	1459	1691			1427	191
233	1471	1704			1437	192
234	1481	1715			1447	193
235	1483	1718			1450	194
236	1487	1723	269	42		
237	1489	1726			1456	195
238	1493	1731			1461	196
239	1499	1738			1467	197
240	1511	1751			1478	198
241	1523	1764			1489	199
242	1531	1773			1498	200
243	1543	1786			1509	201
244	1549	1793			1514	202
245	1553	1798			1519	203
246	1559	1805			1525	204
247	1567	1814			1533	205
248	1571	1819			1538	206
249	1579	1828			1546	207
250	1583	1833			1550	208
251	1597	1848			1564	209
252	1601	1853			1569	210
253	1607	1860			1576	211
254	1609	1863			1578	212
255	1613	1868			1582	213
256	1619	1875			1587	214
257	1621	1878			1589	215
258	1627	1885			1595	216
259	1637	1896			1605	217
260	1657	1917			1623	218
261	1663	1924			1630	219
262	1667	1929			1635	220
263	1669	1932			1637	221
264	1693	1957			1659	222
265	1697	1962			1664	223
266	1699	1965			1667	224
267	1709	1976			1677	225
268	1721	1989			1688	226
269	1723	1992			1691	227
270	1733	2003	304	43		
271	1741	2012			1706	228
272	1747	2019			1712	229
273	1753	2026			1719	230
274	1759	2033			1724	231
275	1777	2052			1742	232
276	1783	2059			1748	233
277	1787	2064			1752	234
278	1789	2067			1755	235
279	1801	2080			1767	236
280	1811	2091			1774	237
281	1823	2104			1786	238
282	1831	2113	319	44		
283	1847	2130			1809	239
284	1861	2145			1820	240
285	1867	2152			1827	241
286	1871	2157			1831	242
287	1873	2160			1834	243
288	1877	2165			1838	244
289	1879	2168			1841	245
290	1889	2179	327	45		
291	1901	2192			1864	246
292	1907	2199			1871	247

293	1913	2206			1877	248
294	1931	2225			1893	249
295	1933	2228			1896	250
296	1949	2245			1910	251
297	1951	2248			1913	252
298	1973	2271			1933	253
299	1979	2278			1939	254
300	1987	2287	340	46		
301	1993	2294			1952	255
302	1997	2299			1956	256
303	1999	2302			1959	257
304	2003	2307			1964	258
305	2011	2316			1971	259
306	2017	2323			1978	260
307	2027	2334			1988	261
308	2029	2337			1991	262
309	2039	2348			1999	263
310	2053	2363			2012	264
311	2063	2374			2022	265
312	2069	2381	353	47		
313	2081	2394			2037	266
314	2083	2397			2040	267
315	2087	2402			2044	268
316	2089	2405			2047	269
317	2099	2416			2057	270
318	2111	2429			2068	271
319	2113	2432			2071	272
320	2129	2449			2085	273
321	2131	2452			2088	274
322	2137	2459	364	48		
323	2141	2464			2099	275
324	2143	2467	365	49		
325	2153	2478			2110	276
326	2161	2487			2119	277
327	2179	2506			2137	278
328	2203	2531	370	50		
329	2207	2536			2165	279
330	2213	2543	372	51		
331	2221	2552			2177	280
332	2237	2569			2193	281
333	2239	2572			2196	282
334	2243	2577			2201	283
335	2251	2586			2209	284
336	2267	2603			2224	285
337	2269	2606			2227	286
338	2273	2611			2231	287
339	2281	2620			2239	288
340	2287	2627			2245	289
341	2293	2634			2251	290
342	2297	2639			2256	291
343	2309	2652			2268	292
344	2311	2655			2271	293
345	2333	2678			2289	294
346	2339	2685			2295	295
347	2341	2688			2297	296
348	2347	2695			2302	297
349	2351	2700			2306	298
350	2357	2707	394	52		
351	2371	2722			2324	299
352	2377	2729	398	53		
353	2381	2734			2334	300
354	2383	2737			2337	301
355	2389	2744			2343	302
356	2393	2749	401	54		
357	2399	2756			2353	303
358	2411	2769			2365	304
359	2417	2776			2372	305
360	2423	2783			2378	306
361	2437	2798			2390	307
362	2441	2803	409	55		

363	2447	2810			2400	308
364	2459	2823			2412	309
365	2467	2832			2421	310
366	2473	2839			2426	311
367	2477	2844			2430	312
368	2503	2871			2454	313
369	2521	2890			2471	314
370	2531	2901			2481	315
371	2539	2910			2488	316
372	2543	2915			2493	317
373	2549	2922			2499	318
374	2551	2925			2502	319
375	2557	2932			2508	320
376	2579	2955			2529	321
377	2591	2968			2540	322
378	2593	2971	429	56		
379	2609	2988			2558	323
380	2617	2997			2567	324
381	2621	3002			2570	325
382	2633	3015			2582	326
383	2647	3030			2595	327
384	2657	3041	436	57		
385	2659	3044			2607	328
386	2663	3049	437	58		
387	2671	3058			2620	329
388	2677	3065			2626	330
389	2683	3072			2632	331
390	2687	3077			2637	332
391	2689	3080			2639	333
392	2693	3085			2643	334
393	2699	3092			2649	335
394	2707	3101			2658	336
395	2711	3106			2663	337
396	2713	3109	443	59		
397	2719	3116			2672	338
398	2729	3127			2681	339
399	2731	3130			2684	340
400	2741	3141			2694	341
401	2749	3150			2703	342
402	2753	3155			2708	343
403	2767	3170			2720	344
404	2777	3181	450	60		
405	2789	3194			2741	345
406	2791	3197			2744	346
407	2797	3204			2750	347
408	2801	3209	454	61		
409	2803	3212			2757	348
410	2819	3229	457	62		
411	2833	3244			2786	349
412	2837	3249			2791	350
413	2843	3256			2796	351
414	2851	3265			2803	352
415	2857	3272			2809	353
416	2861	3277			2814	354
417	2879	3296			2833	355
418	2887	3305			2840	356
419	2897	3316			2849	357
420	2903	3323	468	63		
421	2909	3330			2860	358
422	2917	3339			2868	359
423	2927	3350			2877	360
424	2939	3363			2888	361
425	2953	3378			2901	362
426	2957	3383			2906	363
427	2963	3390			2912	364
428	2969	3397			2918	365
429	2971	3400			2921	366
430	2999	3429			2948	367
431	3001	3432			2951	368
432	3011	3443			2961	369

433	3019	3452			2969	370
434	3023	3457	483	64		
435	3037	3472			2984	371
436	3041	3477			2989	372
437	3049	3486			2998	373
438	3061	3499	489	65		
439	3067	3506			3016	374
440	3079	3519			3027	375
441	3083	3524			3032	376
442	3089	3531			3037	377
443	3109	3552			3054	378
444	3119	3563			3063	379
445	3121	3566			3066	380
446	3137	3583	502	66		
447	3163	3610			3105	381
448	3167	3615			3109	382
449	3169	3618			3111	383
450	3181	3631	508	67		
451	3187	3638			3128	384
452	3191	3643	510	68		
453	3203	3656			3145	385
454	3209	3663			3151	386
455	3217	3672			3159	387
456	3221	3677	514	69		
457	3229	3686			3171	388
458	3251	3709	518	70		
459	3253	3712			3193	389
460	3257	3717			3198	390
461	3259	3720			3200	391
462	3271	3733	521	71		
463	3299	3762			3238	392
464	3301	3765			3241	393
465	3307	3772			3246	394
466	3313	3779	526	72		
467	3319	3786			3259	395
468	3323	3791			3264	396
469	3329	3798			3269	397
470	3331	3801			3272	398
471	3343	3814			3284	399
472	3347	3819			3289	400
473	3359	3832			3300	401
474	3361	3835			3302	402
475	3371	3846			3313	403
476	3373	3849			3315	404
477	3389	3866			3329	405
478	3391	3869			3332	406
479	3407	3886			3347	407
480	3413	3893			3353	408
481	3433	3914			3372	409
482	3449	3931	546	73		
483	3457	3940			3393	410
484	3461	3945			3397	411
485	3463	3948			3399	412
486	3467	3953			3404	413
487	3469	3956			3407	414
488	3491	3979			3429	415
489	3499	3988			3438	416
490	3511	4001	551	74		
491	3517	4008			3454	417
492	3527	4019	555	75		
493	3529	4022			3465	418
494	3533	4027	557	76		
495	3539	4034			3476	419
496	3541	4037			3479	420
497	3547	4044			3486	421
498	3557	4055			3495	422
499	3559	4058			3497	423
500	3571	4071			3510	424
501	3581	4082			3519	425
502	3583	4085			3522	426

503	3593	4096			3531	427
504	3607	4111	566	77		
505	3613	4118			3551	428
506	3617	4123			3556	429
507	3623	4130			3561	430
508	3631	4139	570	78		
509	3637	4146			3575	431
510	3643	4153	571	79		
511	3659	4170			3596	432
512	3671	4183			3608	433
513	3673	4186			3611	434
514	3677	4191			3616	435
515	3691	4206			3630	436
516	3697	4213			3636	437
517	3701	4218			3640	438
518	3709	4227			3648	439
519	3719	4238			3657	440
520	3727	4247			3664	441
521	3733	4254			3670	442
522	3739	4261	585	80		
523	3761	4284			3695	443
524	3767	4291			3701	444
525	3769	4294			3704	445
526	3779	4305			3714	446
527	3793	4320			3729	447
528	3797	4325			3734	448
529	3803	4332			3740	449
530	3821	4351			3756	450
531	3823	4354			3759	451
532	3833	4365			3768	452
533	3847	4380			3782	453
534	3851	4385			3787	454
535	3853	4388			3790	455
536	3863	4399			3799	456
537	3877	4414			3813	457
538	3881	4419			3818	458
539	3889	4428			3825	459
540	3907	4447	604	81		
541	3911	4452			3846	460
542	3917	4459			3852	461
543	3919	4462			3855	462
544	3923	4467			3859	463
545	3929	4474			3866	464
546	3931	4477			3869	465
547	3943	4490			3880	466
548	3947	4495			3884	467
549	3967	4516			3903	468
550	3989	4539			3923	469
551	4001	4552			3934	470
552	4003	4555			3937	471
553	4007	4560			3942	472
554	4013	4567	619	82		
555	4019	4574			3954	473
556	4021	4577			3957	474
557	4027	4584			3963	475
558	4049	4607			3983	476
559	4051	4610			3986	477
560	4057	4617			3993	478
561	4073	4634			4009	479
562	4079	4641			4014	480
563	4091	4654			4024	481
564	4093	4657	630	83		
565	4099	4664			4032	482
566	4111	4677			4044	483
567	4127	4694			4059	484
568	4129	4697			4062	485
569	4133	4702			4067	486
570	4139	4709			4073	487
571	4153	4724			4086	488
572	4157	4729	638	84		

573	4159	4732				4093	489
574	4177	4751	640	85			
575	4201	4776				4134	490
576	4211	4787	643	86			
577	4217	4794				4148	491
578	4219	4797				4151	492
579	4229	4808				4160	493
580	4231	4811				4163	494
581	4241	4822				4172	495
582	4243	4825				4175	496
583	4253	4836				4185	497
584	4259	4843				4192	498
585	4261	4846				4195	499
586	4271	4857				4206	500
587	4273	4860				4209	501
588	4283	4871	652	87			
589	4289	4878				4224	502
590	4297	4887				4233	503
591	4327	4918				4261	504
592	4337	4929				4271	505
593	4339	4932				4273	506
594	4349	4943	661	88			
595	4357	4952				4289	507
596	4363	4959				4295	508
597	4373	4970				4304	509
598	4391	4989				4321	510
599	4397	4996				4327	511
600	4409	5009	671	89			
601	4421	5022				4348	512
602	4423	5025				4350	513
603	4441	5044				4368	514
604	4447	5051	676	90			
605	4451	5056				4379	515
606	4457	5063				4385	516
607	4463	5070				4392	517
608	4481	5089				4408	518
609	4483	5092				4411	519
610	4493	5103				4420	520
611	4507	5118				4433	521
612	4513	5125				4439	522
613	4517	5130				4444	523
614	4519	5133				4447	524
615	4523	5138				4452	525
616	4547	5163				4475	526
617	4549	5166				4478	527
618	4561	5179	690	91			
619	4567	5186				4495	528
620	4583	5203				4510	529
621	4591	5212				4518	530
622	4597	5219				4525	531
623	4603	5226				4532	532
624	4621	5245				4547	533
625	4637	5262				4563	534
626	4639	5265				4566	535
627	4643	5270				4571	536
628	4649	5277				4577	537
629	4651	5280				4579	538
630	4657	5287				4585	539
631	4663	5294				4592	540
632	4673	5305				4601	541
633	4679	5312				4607	542
634	4691	5325				4619	543
635	4703	5338				4631	544
636	4721	5357				4648	545
637	4723	5360				4651	546
638	4729	5367				4658	547
639	4733	5372				4663	548
640	4751	5391				4680	549
641	4759	5400				4687	550
642	4783	5425				4708	551

643	4787	5430			4713	552
644	4789	5433			4715	553
645	4793	5438			4719	554
646	4799	5445			4724	555
647	4801	5448			4727	556
648	4813	5461			4739	557
649	4817	5466			4744	558
650	4831	5481			4756	559
651	4861	5512			4783	560
652	4871	5523			4792	561
653	4877	5530			4798	562
654	4889	5543			4810	563
655	4903	5558			4824	564
656	4909	5565			4830	565
657	4919	5576			4839	566
658	4931	5589			4851	567
659	4933	5592			4853	568
660	4937	5597			4858	569
661	4943	5604			4865	570
662	4951	5613			4874	571
663	4957	5620			4881	572
664	4967	5631			4891	573
665	4969	5634			4894	574
666	4973	5639	740	92		
667	4987	5654			4909	575
668	4993	5661			4914	576
669	4999	5668			4921	577
670	5003	5673			4925	578
671	5009	5680			4932	579
672	5011	5683	748	93		
673	5021	5694			4943	580
674	5023	5697			4946	581
675	5039	5714			4961	582
676	5051	5727			4973	583
677	5059	5736			4982	584
678	5077	5755			4997	585
679	5081	5760			5002	586
680	5087	5767			5009	587
681	5099	5780			5021	588
682	5101	5783	759	94		
683	5107	5790			5030	589
684	5113	5797			5036	590
685	5119	5804			5042	591
686	5147	5833			5067	592
687	5153	5840			5073	593
688	5167	5855			5085	594
689	5171	5860			5089	595
690	5179	5869	773	95		
691	5189	5880			5105	596
692	5197	5889			5113	597
693	5209	5902			5125	598
694	5227	5921			5143	599
695	5231	5926			5147	600
696	5233	5929			5149	601
697	5237	5934			5154	602
698	5261	5959			5177	603
699	5273	5972			5190	604
700	5279	5979			5197	605
701	5281	5982			5199	606
702	5297	5999			5215	607
703	5303	6006			5222	608
704	5309	6013			5227	609
705	5323	6028			5242	610
706	5333	6039			5251	611
707	5347	6054			5263	612
708	5351	6059			5268	613
709	5381	6090			5295	614
710	5387	6097			5301	615
711	5393	6104			5307	616
712	5399	6111			5314	617

713	5407	6120			5322	618
714	5413	6127			5328	619
715	5417	6132			5332	620
716	5419	6135			5334	621
717	5431	6148			5346	622
718	5437	6155			5352	623
719	5441	6160			5357	624
720	5443	6163	803	96		
721	5449	6170			5366	625
722	5471	6193			5388	626
723	5477	6200			5393	627
724	5479	6203	807	97		
725	5483	6208			5400	628
726	5501	6227			5416	629
727	5503	6230			5418	630
728	5507	6235			5423	631
729	5519	6248			5435	632
730	5521	6251			5438	633
731	5527	6258			5444	634
732	5531	6263	814	98		
733	5557	6290			5471	635
734	5563	6297			5478	636
735	5569	6304			5483	637
736	5573	6309			5488	638
737	5581	6318			5495	639
738	5591	6329	824	99		
739	5623	6362			5532	640
740	5639	6379	832	100		
741	5641	6382			5549	641
742	5647	6389	833	101		
743	5651	6394			5560	642
744	5653	6397	834	102		
745	5657	6402			5567	643
746	5659	6405			5570	644
747	5669	6416			5581	645
748	5683	6431			5594	646
749	5689	6438			5601	647
750	5693	6443			5606	648
751	5701	6452			5613	649
752	5711	6463			5624	650
753	5717	6470			5630	651
754	5737	6491	842	103		
755	5741	6496			5653	652
756	5743	6499			5656	653
757	5749	6506			5663	654
758	5779	6537			5692	655
759	5783	6542			5697	656
760	5791	6551	846	104		
761	5801	6562			5714	657
762	5807	6569	849	105		
763	5813	6576			5725	658
764	5821	6585			5732	659
765	5827	6592			5739	660
766	5839	6605			5751	661
767	5843	6610			5755	662
768	5849	6617			5762	663
769	5851	6620			5764	664
770	5857	6627			5771	665
771	5861	6632			5776	666
772	5867	6639			5782	667
773	5869	6642			5785	668
774	5879	6653	857	106		
775	5881	6656			5798	669
776	5897	6673	860	107		
777	5903	6680			5818	670
778	5923	6701	864	108		
779	5927	6706			5840	671
780	5939	6719	867	109		
781	5953	6734			5865	672
782	5981	6763	871	110		

```
783   5987   6770                  5898   673
784   6007   6791   874   111
785   6011   6796                  5920   674
786   6029   6815                  5938   675
787   6037   6824                  5946   676
788   6043   6831                  5951   677
789   6047   6836                  5955   678
790   6053   6843                  5961   679
791   6067   6858                  5975   680
792   6073   6865                  5981   681
793   6079   6872                  5986   682
794   6089   6883   886   112
795   6091   6886                  5999   683
796   6101   6897                  6010   684
797   6113   6910                  6021   685
798   6121   6919                  6028   686
799   6131   6930                  6039   687
800   6133   6933                  6042   688
801   6143   6944                  6053   689
802   6151   6953                  6060   690
803   6163   6966                  6071   691
804   6173   6977   897   113
805   6197   7002                  6100   692
806   6199   7005                  6103   693
807   6203   7010                  6108   694
808   6211   7019   903   114
809   6217   7026                  6122   695
810   6221   7031                  6126   696
811   6229   7040                  6134   697
      -------------------------------------------------
      Index  Prime  Sum    PSum   P     CSum   C
      -------------------------------------------------
Count 811    811    811    114    114   697    697
Sum 329266 2346066 2675332 48853 6555 2001061 243253
      -------------------------------------------------
```

  Note 1: DF811 = AC619 = AP114 - AC114 = 1077

Pattern 114d:
      There are 114 chapter pairs with verse difference = 2

      #   C1   C2   V1   V2   diff
      ----
      1   1   97   7   5   2
      2   1   104   7   9   2
      3   1   105   7   5   2
      4   1   111   7   5   2
      5   1   113   7   5   2
      6   5   23   120   118   2
      7   8   25   75   77   2
      8   8   33   75   73   2
      9   10   12   109   111   2
      10   10   17   109   111   2
      11   13   35   43   45   2
      12   13   50   43   45   2
      13   14   34   52   54   2
      14   14   41   52   54   2
      15   14   77   52   50   2
      16   18   21   110   112   2
      17   19   56   98   96   2
      18   24   53   64   62   2
      19   25   39   77   75   2
      20   30   53   60   62   2
      21   31   83   34   36   2
      22   32   71   30   28   2
      23   32   72   30   28   2
      24   33   39   73   75   2
      25   34   68   54   52   2
      26   34   69   54   52   2

27	34	74	54	56	2
28	36	40	83	85	2
29	41	68	54	52	2
30	41	69	54	52	2
31	41	74	54	56	2
32	42	54	53	55	2
33	45	46	37	35	2
34	47	75	38	40	2
35	47	78	38	40	2
36	47	83	38	36	2
37	48	76	29	31	2
38	49	73	18	20	2
39	49	90	18	20	2
40	51	53	60	62	2
41	57	76	29	31	2
42	58	59	22	24	2
43	58	73	22	20	2
44	58	90	22	20	2
45	59	85	24	22	2
46	59	88	24	26	2
47	60	62	13	11	2
48	60	63	13	11	2
49	60	91	13	15	2
50	60	93	13	11	2
51	60	100	13	11	2
52	60	101	13	11	2
53	61	65	14	12	2
54	61	66	14	12	2
55	62	104	11	9	2
56	63	104	11	9	2
57	64	73	18	20	2
58	64	90	18	20	2
59	67	71	30	28	2
60	67	72	30	28	2
61	68	77	52	50	2
62	69	77	52	50	2
63	70	79	44	46	2
64	70	80	44	42	2
65	71	88	28	26	2
66	71	89	28	30	2
67	72	88	28	26	2
68	72	89	28	30	2
69	73	85	20	22	2
70	75	80	40	42	2
71	76	81	31	29	2
72	78	80	40	42	2
73	82	86	19	17	2
74	82	92	19	21	2
75	85	90	22	20	2
76	86	87	17	19	2
77	86	91	17	15	2
78	86	96	17	19	2
79	87	92	19	21	2
80	92	96	21	19	2
81	93	104	11	9	2
82	94	109	8	6	2
83	94	114	8	6	2
84	95	109	8	6	2
85	95	114	8	6	2
86	97	103	5	3	2
87	97	107	5	7	2
88	97	108	5	3	2
89	97	110	5	3	2
90	98	109	8	6	2
91	98	114	8	6	2
92	99	109	8	6	2
93	99	114	8	6	2
94	100	104	11	9	2
95	101	104	11	9	2
96	102	109	8	6	2

```
 97    102    114    8    6    2
 98    103    105    3    5    2
 99    103    111    3    5    2
100    103    113    3    5    2
101    104    107    9    7    2
102    105    107    5    7    2
103    105    108    5    3    2
104    105    110    5    3    2
105    106    109    4    6    2
106    106    114    4    6    2
107    107    111    7    5    2
108    107    113    7    5    2
109    108    111    3    5    2
110    108    113    3    5    2
111    109    112    6    4    2
112    110    111    3    5    2
113    110    113    3    5    2
114    112    114    4    6    2
        -------------------------------------------
Sum 6555   7282   9540   3240   3212   228
        -------------------------------------------
```

```
----------------------------------------
Prime Gaps and Chapter 9 with 129 Verses
----------------------------------------
```

Pattern 129a:

        There are 811 prime numbers in the verse sequences from 1 to 6236.
        The largest gap between these prime numbers is 34 from 1327 to 1361.
        From verse 1327 is Quran 9:92
        To   verse 1361 is Quran 9:126
        Verse number sum = 92 + 126 = 218 where P218 = 1361

#	Prime	Gap		#	Prime	Gap		#	Prime	Gap
1	2	-		35	149	10		72	359	6
2	3	1		36	151	2		73	367	8
3	5	2		37	157	6		74	373	6
4	7	2		38	163	6		75	379	6
5	11	4		39	167	4		76	383	4
6	13	2		40	173	6		77	389	6
7	17	4		41	179	6		78	397	8
8	19	2		42	181	2		79	401	4
9	23	4		43	191	10		80	409	8
10	29	6		44	193	2		81	419	10
11	31	2		45	197	4		82	421	2
12	37	6		46	199	2		83	431	10
13	41	4		47	211	12		84	433	2
14	43	2		48	223	12		85	439	6
15	47	4		49	227	4		86	443	4
16	53	6		50	229	2		87	449	6
17	59	6		51	233	4		88	457	8
18	61	2		52	239	6		89	461	4
19	67	6		53	241	2		90	463	2
20	71	4		54	251	10		91	467	4
21	73	2		55	257	6		92	479	12
22	79	6		56	263	6		93	487	8
23	83	4		57	269	6		94	491	4
24	89	6		58	271	2		95	499	8
25	97	8		59	277	6		96	503	4
26	101	4		60	281	4		97	509	6
27	103	2		61	283	2		98	521	12
28	107	4		62	293	10		99	523	2
29	109	2		63	307	14		100	541	18
30	113	4		64	311	4		101	547	6
31	127	14		65	313	2		102	557	10
32	131	4		66	317	4		103	563	6
33	137	6		67	331	14		104	569	6
34	139	2		68	337	6		105	571	2
				69	347	10		106	577	6
				70	349	2		107	587	10
				71	353	4		108	593	6

109	599	6		179	1063	2		249	1579	8
110	601	2		180	1069	6		250	1583	4
111	607	6		181	1087	18		251	1597	14
112	613	6		182	1091	4		252	1601	4
113	617	4		183	1093	2		253	1607	6
114	619	2		184	1097	4		254	1609	2
115	631	12		185	1103	6		255	1613	4
116	641	10		186	1109	6		256	1619	6
117	643	2		187	1117	8		257	1621	2
118	647	4		188	1123	6		258	1627	6
119	653	6		189	1129	6		259	1637	10
120	659	6		190	1151	22		260	1657	20
121	661	2		191	1153	2		261	1663	6
122	673	12		192	1163	10		262	1667	4
123	677	4		193	1171	8		263	1669	2
124	683	6		194	1181	10		264	1693	24
125	691	8		195	1187	6		265	1697	4
126	701	10		196	1193	6		266	1699	2
127	709	8		197	1201	8		267	1709	10
128	719	10		198	1213	12		268	1721	12
129	727	8		199	1217	4		269	1723	2
130	733	6		200	1223	6		270	1733	10
131	739	6		201	1229	6		271	1741	8
132	743	4		202	1231	2		272	1747	6
133	751	8		203	1237	6		273	1753	6
134	757	6		204	1249	12		274	1759	6
135	761	4		205	1259	10		275	1777	18
136	769	8		206	1277	18		276	1783	6
137	773	4		207	1279	2		277	1787	4
138	787	14		208	1283	4		278	1789	2
139	797	10		209	1289	6		279	1801	12
140	809	12		210	1291	2		280	1811	10
141	811	2		211	1297	6		281	1823	12
142	821	10		212	1301	4		282	1831	8
143	823	2		213	1303	2		283	1847	16
144	827	4		214	1307	4		284	1861	14
145	829	2		215	1319	12		285	1867	6
146	839	10		216	1321	2		286	1871	4
147	853	14		217	1327	6		287	1873	2
148	857	4	--->	218	1361	34		288	1877	4
149	859	2		219	1367	6		289	1879	2
150	863	4		220	1373	6		290	1889	10
151	877	14		221	1381	8		291	1901	12
152	881	4		222	1399	18		292	1907	6
153	883	2		223	1409	10		293	1913	6
154	887	4		224	1423	14		294	1931	18
155	907	20		225	1427	4		295	1933	2
156	911	4		226	1429	2		296	1949	16
157	919	8		227	1433	4		297	1951	2
158	929	10		228	1439	6		298	1973	22
159	937	8		229	1447	8		299	1979	6
160	941	4		230	1451	4		300	1987	8
161	947	6		231	1453	2		301	1993	6
162	953	6		232	1459	6		302	1997	4
163	967	14		233	1471	12		303	1999	2
164	971	4		234	1481	10		304	2003	4
165	977	6		235	1483	2		305	2011	8
166	983	6		236	1487	4		306	2017	6
167	991	8		237	1489	2		307	2027	10
168	997	6		238	1493	4		308	2029	2
169	1009	12		239	1499	6		309	2039	10
170	1013	4		240	1511	12		310	2053	14
171	1019	6		241	1523	12		311	2063	10
172	1021	2		242	1531	8		312	2069	6
173	1031	10		243	1543	12		313	2081	12
174	1033	2		244	1549	6		314	2083	2
175	1039	6		245	1553	4		315	2087	4
176	1049	10		246	1559	6		316	2089	2
177	1051	2		247	1567	8		317	2099	10
178	1061	10		248	1571	4		318	2111	12

319	2113	2		389	2683	6		459	3253	2
320	2129	16		390	2687	4		460	3257	4
321	2131	2		391	2689	2		461	3259	2
322	2137	6		392	2693	4		462	3271	12
323	2141	4		393	2699	6		463	3299	28
324	2143	2		394	2707	8		464	3301	2
325	2153	10		395	2711	4		465	3307	6
326	2161	8		396	2713	2		466	3313	6
327	2179	18		397	2719	6		467	3319	6
328	2203	24		398	2729	10		468	3323	4
329	2207	4		399	2731	2		469	3329	6
330	2213	6		400	2741	10		470	3331	2
331	2221	8		401	2749	8		471	3343	12
332	2237	16		402	2753	4		472	3347	4
333	2239	2		403	2767	14		473	3359	12
334	2243	4		404	2777	10		474	3361	2
335	2251	8		405	2789	12		475	3371	10
336	2267	16		406	2791	2		476	3373	2
337	2269	2		407	2797	6		477	3389	16
338	2273	4		408	2801	4		478	3391	2
339	2281	8		409	2803	2		479	3407	16
340	2287	6		410	2819	16		480	3413	6
341	2293	6		411	2833	14		481	3433	20
342	2297	4		412	2837	4		482	3449	16
343	2309	12		413	2843	6		483	3457	8
344	2311	2		414	2851	8		484	3461	4
345	2333	22		415	2857	6		485	3463	2
346	2339	6		416	2861	4		486	3467	4
347	2341	2		417	2879	18		487	3469	2
348	2347	6		418	2887	8		488	3491	22
349	2351	4		419	2897	10		489	3499	8
350	2357	6		420	2903	6		490	3511	12
351	2371	14		421	2909	6		491	3517	6
352	2377	6		422	2917	8		492	3527	10
353	2381	4		423	2927	10		493	3529	2
354	2383	2		424	2939	12		494	3533	4
355	2389	6		425	2953	14		495	3539	6
356	2393	4		426	2957	4		496	3541	2
357	2399	6		427	2963	6		497	3547	6
358	2411	12		428	2969	6		498	3557	10
359	2417	6		429	2971	2		499	3559	2
360	2423	6		430	2999	28		500	3571	12
361	2437	14		431	3001	2		501	3581	10
362	2441	4		432	3011	10		502	3583	2
363	2447	6		433	3019	8		503	3593	10
364	2459	12		434	3023	4		504	3607	14
365	2467	8		435	3037	14		505	3613	6
366	2473	6		436	3041	4		506	3617	4
367	2477	4		437	3049	8		507	3623	6
368	2503	26		438	3061	12		508	3631	8
369	2521	18		439	3067	6		509	3637	6
370	2531	10		440	3079	12		510	3643	6
371	2539	8		441	3083	4		511	3659	16
372	2543	4		442	3089	6		512	3671	12
373	2549	6		443	3109	20		513	3673	2
374	2551	2		444	3119	10		514	3677	4
375	2557	6		445	3121	2		515	3691	14
376	2579	22		446	3137	16		516	3697	6
377	2591	12		447	3163	26		517	3701	4
378	2593	2		448	3167	4		518	3709	8
379	2609	16		449	3169	2		519	3719	10
380	2617	8		450	3181	12		520	3727	8
381	2621	4		451	3187	6		521	3733	6
382	2633	12		452	3191	4		522	3739	6
383	2647	14		453	3203	12		523	3761	22
384	2657	10		454	3209	6		524	3767	6
385	2659	2		455	3217	8		525	3769	2
386	2663	4		456	3221	4		526	3779	10
387	2671	8		457	3229	8		527	3793	14
388	2677	6		458	3251	22		528	3797	4

529	3803	6	599	4397	6	669	4999	6
530	3821	18	600	4409	12	670	5003	4
531	3823	2	601	4421	12	671	5009	6
532	3833	10	602	4423	2	672	5011	2
533	3847	14	603	4441	18	673	5021	10
534	3851	4	604	4447	6	674	5023	2
535	3853	2	605	4451	4	675	5039	16
536	3863	10	606	4457	6	676	5051	12
537	3877	14	607	4463	6	677	5059	8
538	3881	4	608	4481	18	678	5077	18
539	3889	8	609	4483	2	679	5081	4
540	3907	18	610	4493	10	680	5087	6
541	3911	4	611	4507	14	681	5099	12
542	3917	6	612	4513	6	682	5101	2
543	3919	2	613	4517	4	683	5107	6
544	3923	4	614	4519	2	684	5113	6
545	3929	6	615	4523	4	685	5119	6
546	3931	2	616	4547	24	686	5147	28
547	3943	12	617	4549	2	687	5153	6
548	3947	4	618	4561	12	688	5167	14
549	3967	20	619	4567	6	689	5171	4
550	3989	22	620	4583	16	690	5179	8
551	4001	12	621	4591	8	691	5189	10
552	4003	2	622	4597	6	692	5197	8
553	4007	4	623	4603	6	693	5209	12
554	4013	6	624	4621	18	694	5227	18
555	4019	6	625	4637	16	695	5231	4
556	4021	2	626	4639	2	696	5233	2
557	4027	6	627	4643	4	697	5237	4
558	4049	22	628	4649	6	698	5261	24
559	4051	2	629	4651	2	699	5273	12
560	4057	6	630	4657	6	700	5279	6
561	4073	16	631	4663	6	701	5281	2
562	4079	6	632	4673	10	702	5297	16
563	4091	12	633	4679	6	703	5303	6
564	4093	2	634	4691	12	704	5309	6
565	4099	6	635	4703	12	705	5323	14
566	4111	12	636	4721	18	706	5333	10
567	4127	16	637	4723	2	707	5347	14
568	4129	2	638	4729	6	708	5351	4
569	4133	4	639	4733	4	709	5381	30
570	4139	6	640	4751	18	710	5387	6
571	4153	14	641	4759	8	711	5393	6
572	4157	4	642	4783	24	712	5399	6
573	4159	2	643	4787	4	713	5407	8
574	4177	18	644	4789	2	714	5413	6
575	4201	24	645	4793	4	715	5417	4
576	4211	10	646	4799	6	716	5419	2
577	4217	6	647	4801	2	717	5431	12
578	4219	2	648	4813	12	718	5437	6
579	4229	10	649	4817	4	719	5441	4
580	4231	2	650	4831	14	720	5443	2
581	4241	10	651	4861	30	721	5449	6
582	4243	2	652	4871	10	722	5471	22
583	4253	10	653	4877	6	723	5477	6
584	4259	6	654	4889	12	724	5479	2
585	4261	2	655	4903	14	725	5483	4
586	4271	10	656	4909	6	726	5501	18
587	4273	2	657	4919	10	727	5503	2
588	4283	10	658	4931	12	728	5507	4
589	4289	6	659	4933	2	729	5519	12
590	4297	8	660	4937	4	730	5521	2
591	4327	30	661	4943	6	731	5527	6
592	4337	10	662	4951	8	732	5531	4
593	4339	2	663	4957	6	733	5557	26
594	4349	10	664	4967	10	734	5563	6
595	4357	8	665	4969	2	735	5569	6
596	4363	6	666	4973	4	736	5573	4
597	4373	10	667	4987	14	737	5581	8
598	4391	18	668	4993	6	738	5591	10

739	5623	32		765	5827	6		791	6067	14
740	5639	16		766	5839	12		792	6073	6
741	5641	2		767	5843	4		793	6079	6
742	5647	6		768	5849	6		794	6089	10
743	5651	4		769	5851	2		795	6091	2
744	5653	2		770	5857	6		796	6101	10
745	5657	4		771	5861	4		797	6113	12
746	5659	2		772	5867	6		798	6121	8
747	5669	10		773	5869	2		799	6131	10
748	5683	14		774	5879	10		800	6133	2
749	5689	6		775	5881	2		801	6143	10
750	5693	4		776	5897	16		802	6151	8
751	5701	8		777	5903	6		803	6163	12
752	5711	10		778	5923	20		804	6173	10
753	5717	6		779	5927	4		805	6197	24
754	5737	20		780	5939	12		806	6199	2
755	5741	4		781	5953	14		807	6203	4
756	5743	2		782	5981	28		808	6211	8
757	5749	6		783	5987	6		809	6217	6
758	5779	30		784	6007	20		810	6221	4
759	5783	4		785	6011	4		811	6229	8
760	5791	8		786	6029	18			------------------	
761	5801	10		787	6037	8		Sum	329266 2346066	6227
762	5807	6		788	6043	6			------------------	
763	5813	6		789	6047	4				
764	5821	8		790	6053	6				

The largest gap between these 811 prime verses is 34.

Dürer's super magic square has 86 ways of summing four squares to 34:

16	3	2	13
5	10	11	8
9	6	7	12
4	15	14	1

Any two numbers symmetrically placed about the center of the square sums to 17.

Note 1: Chapter number multiplied by Largest Gap = 9×34 = 306

Chapter 9 has no BismAllah as it talks about punishment for the disbelievers,
and it starts with Baa which no other chapter starts with except chapter 1
so it does not need BismAllah like the other 112 chapters.
Baa is for Beginning = Bidayah (بداية).

There are 306 verses in the Quran with the word "Punishment عذاب"

There are 306 words in the range for the most repeated verse in the Quran
فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ from Quran 55:13 to Quran 55:77.
See http://heliwave.com/306.xls

Note 2: P306 = 2017 = number of verses from start of chapter 9 to end of chapter 27
where chapter 9 has no BismAllah while chapter 27 has an extra BismAllah in 27:30.

Pattern 129b:
    There are 810 prime gaps
    where $810 = 9^2 + 27^2$
    where chapter 9 has no BismAllah while chapter 27 has an extra BismAllah in 27:30.

```
----------------
Gap    Frequency
----------------
1      1
2      146
4      144
6      198
8      68
10     79
12     60
14     34
16     20
18     22
20     8
22     10
24     7
26     3
28     4
30     4
32     1
34     1
----------------
Sum  307   810
----------------
```

Pattern 129c:
    Number of chapters containing verse number 129 =   9
    Sum   of chapters containing verse number 129 = 114

```
---------------------
Name         C    V
---------------------
الـبقـرة      2    286
آل عمـران     3    200
الـنـساء      4    176
الأنـعـام     6    165
الأعراف      7    206
الـتوبـة      9    129
طه           20   135
الشعراء      26   227
الـصافـات    37   182
---------------------
Count        9    9
Sum          114  1706
---------------------
```

  Note 1: 1706 = 1439th composite number.

```
Pattern 129d:
      Chapter 57 has  29 verses                             [pattern 8]
      Chapter  9 has 129 verses
            where  129 = 2 + 3 + 5 + 7 + 11 + 13 + 17 + 19 + 23 + 29

Right-to-left 227-digit concatenated number of verses of all chapters is a prime:
654536374593811118851988112115203026191722253619294246405031405620282844525230121218111111
413242229967855624960451829383537598953548575881828345547330346069889322777764118781121359
8110111128995243111123109129752061651201762002867

6,5,4,5,3,6,3,7,4,5,9,3,8,11,11,8,8,5,19,8,8,11,21,15,20,30,26,19,17,22,25,36,19,29,42,46
,40,50,31,40,56,20,28,28,44,52,52,30,12,12,18,11,11,14,13,24,22,29,96,78,55,62,49,60,45,1
8,29,38,35,37,59,89,53,54,85,75,88,182,83,45,54,73,30,34,60,69,88,93,227,77,64,118,78,112
,135,98,110,111,128,99,52,43,111,123,109,129,75,206,165,120,176,200,286,7

Chapter 9 has 129 verses.
Digit                     1,   2,   9
Position from right      24,  23,  22
Digit + Position =       25,  25,  31

Digits                    1,   2,   9
Position from left      204, 205, 206
Digit - Position =      203, 203, 197

Multiplication      25×203,   31×197
                      5075,   6107
            6236 - 5075  = 1161 = 9×129 = verses from chapter 57 to the end of the Quran
                 5075                   = verses from before chapter 57
            6236 -         6107 = 129  = verses in chapter 9

Verses in chapters <57: 6785562496045182938353759895354857588182834554733034606988932277
                        7641187811213598110111128995243111123109129752061651201762002867
      Digits              : 129
      Verses in chapter 57 : 29
      Digits              : 2

Verses in chapters >57: 65453637459381111885198811211520302619172225361929424640503140562
                        0282844525230121218111114132422
      Digits              : 96
      There are 1364 = 2×2×11×31 verses in the first 9 chapters of the Quran:
      ------------------------------
      #      Name          C    V
      ------------------------------
      1      الفاتحة        1    7
      2      البقرة        2    286
      3      آل عمران       3    200
      4      النساء        4    176
      5      المائدة       5    120
      6      الأنعام       6    165
      7      الأعراف       7    206
      8      الأنفال       8    75
      9      التوبة        9    129
      ------------------------------
   Sum 45                  45   1364
      ------------------------------

      There are 1161 = 9×129 verses in the Quran from chapter 57 to the end of the Quran:
      ------------------------------
      #      Name          C    V
      ------------------------------
      1      الحديد        57   29
      2      المجادلة      58   22
      3      الحشر         59   24
      4      الممتحنة      60   13
      5      الصف          61   14
      6      الجمعة        62   11
      7      المنافقون     63   11
      8      التغابن       64   18
      9      الطلاق        65   12
      10     التحريم       66   12
```

11	الملك	67	30
12	القلم	68	52
13	الحاقة	69	52
14	المعارج	70	44
15	نوح	71	28
16	الجن	72	28
17	المزمل	73	20
18	المدثر	74	56
19	القيامة	75	40
20	الانسان	76	31
21	المرسلات	77	50
22	النبإ	78	40
23	النازعات	79	46
24	عبس	80	42
25	التكوير	81	29
26	الإنفطار	82	19
27	المطففين	83	36
28	الإنشقاق	84	25
29	البروج	85	22
30	الطارق	86	17
31	الأعلى	87	19
32	الغاشية	88	26
33	الفجر	89	30
34	البلد	90	20
35	الشمس	91	15
36	الليل	92	21
37	الضحى	93	11
38	الشرح	94	8
39	التين	95	8
40	العلق	96	19
41	القدر	97	5
42	البينة	98	8
43	الزلزلة	99	8
44	العاديات	100	11
45	القارعة	101	11
46	التكاثر	102	8
47	العصر	103	3
48	الهمزة	104	9
49	الفيل	105	5
50	قريش	106	4
51	الماعون	107	7
52	الكوثر	108	3
53	الكافرون	109	6
54	النصر	110	3
55	المسد	111	5
56	الإخلاص	112	4
57	الفلق	113	5
58	الناس	114	6

```
         ------------------------------
 Sum 1711                   4959  1161
         ------------------------------
```

Note 1: 1364 + 1161 = 2525 = 101×25
        where Quran 57:25 is where the word Iron is revealed as sent from heaven,
        and 101 is the 26th prime number where 26 is the atomic number of Iron.

Quran 57:25 لَقَدْ أَرْسَلْنَا رُسُلَنَا بِٱلْبَيِّنَٰتِ وَأَنزَلْنَا مَعَهُمُ ٱلْكِتَٰبَ وَٱلْمِيزَانَ لِيَقُومَ ٱلنَّاسُ بِٱلْقِسْطِ ۖ
وَأَنزَلْنَا ٱلْحَدِيدَ فِيهِ بَأْسٌ شَدِيدٌ وَمَنَٰفِعُ لِلنَّاسِ وَلِيَعْلَمَ ٱللَّهُ مَن يَنصُرُهُ وَرُسُلَهُ بِٱلْغَيْبِ ۚ إِنَّ ٱللَّهَ قَوِىٌّ عَزِيزٌ
Certainly We have sent Our Messengers with manifest proofs, and We have sent down with
them the Book and the Balance, so that mankind may maintain justice; and We have sent
down iron, in which there is great might and uses for mankind, and so that Allah may know
those who help Him and His Messengers in the Unseen. Indeed Allah is All-Strong, All-
Mighty.

```
    Sum of the first 26 prime numbers = 1161 = 9×129
    -------------
    #     Prime
    -------------
    1     2
    2     3
```

```
    3       5
    4       7
    5       11
    6       13
    7       17
    8       19
    9       23
    10      29
    11      31
    12      37
    13      41
    14      43
    15      47
    16      53
    17      59
    18      61
    19      67
    20      71
    21      73
    22      79
    23      83
    24      89
    25      97
    26      101
        ------------
Sum 351     1161
        ------------
```

Note 2: Chapter 57 has 29 verses. Split the Quran verse digits at 2 | 9 of chapter 57:
65453637459381111885198811211520302619172225361929424640503140562028284452523012121811111
41324222|99678556249604518293835375989535485758818283455473303460698893227776411878112135
9811011112899524311112310912975206165120176200 2867

Verses in chapters <=57: 99678556249604518293835375989535485758818283455473303460698893 22
                    77764118781121359811011112899524311112310912975206165120176200 2867
Sum of digits = 575 where P575 = 4201 = Alphabet_Primes1 value of chapter 112 (الإخلاص).

Verses in chapters >=57: 65453637459381111885198811211520302619172225361929424640503140 56
                    20282844525230121218111114 1324222

Sum of digits = 333 where P333 = 2239 = Sum of chapter numbers with prime verses.

```
    -------------------------------
    #       Name            C       V
    -------------------------------
    1       الفاتحة         1       7
    2       يونس            10      109
    3       الرعد           13      43
    4       الشعراء         26      227
    5       الأحزاب         33      73
    6       يس              36      83
    7       الشورى          42      53
    8       الزخرف          43      89
    9       الدخان          44      59
    10      الجاثية         45      37
    11      الفتح           48      29
    12      الحديد          57      29
    13      الممتحنة        60      13
    14      الجمعة          62      11
    15      المنافقون       63      11
    16      الانسان         76      31
    17      التكوير         81      29
    18      الإنفطار        82      19
    19      الطارق          86      17
    20      الأعلى          87      19
    21      الضحى           93      11
    22      العلق           96      19
    23      القدر           97      5
    24      العاديات        100     11
    25      القارعة         101     11
    26      العصر           103     3
```

27	الـفـيـل	105	5
28	الـمـاعون	107	7
29	الـكوثـر	108	3
30	الـنصر	110	3
31	الـمسد	111	5
32	الـفـلق	113	5

```
             ------------------------------
    Sum  528                  2239  1076
             ------------------------------
```

Pattern 129e: Gaps to previous and next prime numbers:

Left-to-Right Chapter Numbers:
123456789101112131415161718192021222324252627282930313233343536373839404142434445464748 49
505152535455565758596061626364656667686970717273747576777879808182838485868788899091929 39
49596979899100101102103104105106107108109110111112959   Previous Prime
123456789101112131415161718192021222324252627282930313233343536373839404142434445464748 49
505152535455565758596061626364656667686970717273747576777879808182838485868788899091929 39
49596979899100101102103104105106107108109110111112113114   Chapter Numbers
123456789101112131415161718192021222324252627282930313233343536373839404142434445464748 49
505152535455565758596061626364656667686970717273747576777879808182838485868788899091929 39
49596979899100101102103104105106107108109110111112113211   Next Prime
```
             Digit Count               = 234
             Digit Sum                 = 975
             Next Prime - Previous Prime  = 252
```

Right-to-Left Chapter Numbers:
114113112111110109108107106105104103102101100999897969594939291908988878685848382818079 78
777675747372717069686766656463626160595857565554535251504948474645444342414039383736353 43
3323130292827262524232221201918171615141312111098765386 9   Previous Prime
114113112111110109108107106105104103102101100999897969594939291908988878685848382818079 78
777675747372717069686766656463626160595857565554535251504948474645444342414039383736353 43
3323130292827262524232221201918171615141312111098765432 1   Chapter Numbers
114113112111110109108107106105104103102101100999897969594939291908988878685848382818079 78
777675747372717069686766656463626160595857565554535251504948474645444342414039383736353 43
33231302928272625242322212019181716151413121110987654827   Next Prime
```
             Digit Count               = 234
             Digit Sum                 = 975
             Next Prime - Previous Prime  = 958
```
Left-to-Right Chapter Verses:
728620017612016520675129109123111435299128111110981351127811864772279388696034307354458 31
828875855453895937353829184560496255789629222413141111181212305252442828205640315040464 22
9193625222171926302015211188195881111839547363513 7   Previous Prime
728620017612016520675129109123111435299128111110981351127811864772279388696034307354458 31
828875855453895937353829184560496255789629222413141111181212305252442828205640315040464 22
9193625222171926302015211188195881111839547363545 6   Chapter Verses
728620017612016520675129109123111435299128111110981351127811864772279388696034307354458 31
828875855453895937353829184560496255789629222413141111181212305252442828205640315040464 22
91936252221719263020152111881958811118395473635539   Next Prime
```
             Digit Count               = 227
             Digit Sum                 = 908
             Next Prime - Previous Prime  = 402
```

Right-to-Left Chapter Verses:
654536374593811118851988112115203026191722253619294246405031405620282844525230121218111 11
413242229967855624960451829383537598953548575881828345547330346069889322777641187811213 59
81101111289952431111231091297520616512017620024 47   Previous Prime
654536374593811118851988112115203026191722253619294246405031405620282844525230121218111 11
413242229967855624960451829383537598953548575881828345547330346069889322777641187811213 59
81101111289952431111231091297520616512017620028 67   Chapter Verses
654536374593811118851988112115203026191722253619294246405031405620282844525230121218111 11
413242229967855624960451829383537598953548575881828345547330346069889322777641187811213 59
81101111289952431111231091297520616512017620038 11   Next Prime
```
             Digit Count               = 227
             Digit Sum                 = 908
             Next Prime - Previous Prime  = 1364
```

Note 1: 1364 = Verses in first 9 chapters of the Quran.

Note 2: There are 18 "9" digits in the concatenated verse numbers
          where 18 × 129 = 1364 + 958

Note 3: 975 = 114 + 861 where the 114th sphenic number = 861
          Sphenic numbers are composites with three distinct factors.

          Using http://heliwave.com/Composites.zip
          How many factors-per-number to find?   3
          Duplicate factors, unique, or any (d/u/a)? u
          Maximum number to factor?   6236

```
          -------------------------------------------------------------
          #      N      C      AC     XC     Factors
          -------------------------------------------------------------
          1      30     19            8      2     3     5
          2      42     28     17            2     3     7
          3      66     47     30            2     3     11
          4      70     50            18     2     5     7
          5      78     56     36            2     3     13
          6      102    75            26     2     3     17
          7      105    77     50            3     5     7
          8      110    80            29     2     5     11
   --->   9      114    83     53            2     3     19
          10     130    98     62            2     5     13
          11     138    104    67            2     3     23
          12     154    117    76            2     7     11
          13     165    126    82            3     5     11
          14     170    130    85            2     5     17
          15     174    133    88            2     3     29
          16     182    139           47     2     7     13
          17     186    143    95            2     3     31
          18     190    147    98            2     5     19
          19     195    150    101           3     5     13
          20     222    174    115           2     3     37
          21     230    179           60     2     5     23
          22     231    180    120           3     7     11
          23     238    186           63     2     7     17
          24     246    192    128           2     3     41
          25     255    200    133           3     5     17
          26     258    202    134           2     3     43
          27     266    209    140           2     7     19
          28     273    214    144           3     7     13
          29     282    221    149           2     3     47
          30     285    223    151           3     5     19
          31     286    224    152           2     11    13
          32     290    228           75     2     5     29
          33     310    246    164           2     5     31
          34     318    251    169           2     3     53
          35     322    255           85     2     7     23
          36     345    276    186           3     5     23
          37     354    282    191           2     3     59
          38     357    285    193           3     7     17
          39     366    293    199           2     3     61
          40     370    296    201           2     5     37
          41     374    299    203           2     11    17
          42     385    308    209           5     7     11
          43     399    320    217           3     7     19
          44     402    322    219           2     3     67
          45     406    326    222           2     7     29
          46     410    329           106    2     5     41
          47     418    337           109    2     11    19
          48     426    343    233           2     3     71
          49     429    346    235           3     11    13
          50     430    347           112    2     5     43
          51     434    349           113    2     7     31
          52     435    350    237           3     5     29
          53     438    353    239           2     3     73
          54     442    356    242           2     13    17
```

55	455	367	250		5	7	13
56	465	374	256		3	5	31
57	470	378		120	2	5	47
58	474	382	261		2	3	79
59	483	390	266		3	7	23
60	494	399		127	2	13	19
61	498	403	275		2	3	83
62	506	409		131	2	11	23
63	518	420	285		2	7	37
64	530	430	292		2	5	53
65	534	434	295		2	3	89
66	555	453	307		3	5	37
67	561	458	310		3	11	17
68	574	468	317		2	7	41
69	582	475	322		2	3	97
70	590	482	327		2	5	59
71	595	486		156	5	7	17
72	598	489	333		2	13	23
73	602	491	335		2	7	43
74	606	495	338		2	3	101
75	609	497	340		3	7	29
76	610	498		158	2	5	61
77	615	502	343		3	5	41
78	618	504	344		2	3	103
79	627	512	350		3	11	19
80	638	522		166	2	11	29
81	642	525	359		2	3	107
82	645	527	361		3	5	43
83	646	528	362		2	17	19
84	651	532	364		3	7	31
85	654	534	365		2	3	109
86	658	538		171	2	7	47
87	663	541	370		3	13	17
88	665	543		172	5	7	19
89	670	548		174	2	5	67
90	678	554	378		2	3	113
91	682	558	382		2	11	31
92	705	578	395		3	5	47
93	710	582	398		2	5	71
94	715	587		186	5	11	13
95	730	600	411		2	5	73
96	741	609	417		3	13	19
97	742	610		193	2	7	53
98	754	620	425		2	13	29
99	759	624	428		3	11	23
100	762	626	429		2	3	127
101	777	639	439		3	7	37
102	782	644		202	2	17	23
103	786	648	445		2	3	131
104	790	651	447		2	5	79
105	795	656	450		3	5	53
106	805	665		208	5	7	23
107	806	666	458		2	13	31
108	814	672		210	2	11	37
109	822	679	468		2	3	137
110	826	682	471		2	7	59
111	830	684		212	2	5	83
112	834	688	475		2	3	139
113	854	706		220	2	7	61
---> 114	861	711	490		3	7	41
115	874	723		225	2	19	23
116	885	731	505		3	5	59
117	890	735		227	2	5	89
118	894	739	511		2	3	149
119	897	742	513		3	13	23
120	902	747		230	2	11	41
121	903	748	518		3	7	43
122	906	751	520		2	3	151
123	915	758	525		3	5	61
124	935	776		240	5	11	17

125	938	778	538		2	7	67
126	942	781	540		2	3	157
127	946	785		243	2	11	43
128	957	794	550		3	11	29
129	962	799		246	2	13	37
130	969	805	557		3	17	19
131	970	806	558		2	5	97
132	978	812	563		2	3	163
133	986	819		252	2	17	29
134	987	820	568		3	7	47
135	994	826	574		2	7	71
136	1001	832		255	7	11	13
137	1002	833		256	2	3	167
138	1005	836	579		3	5	67
139	1010	840		259	2	5	101
140	1015	844		261	5	7	29
141	1022	849		263	2	7	73
142	1023	850	587		3	11	31
143	1030	857	592		2	5	103
144	1034	859	594		2	11	47
145	1038	863	597		2	3	173
146	1045	869	601		5	11	19
147	1054	876	606		2	17	31
148	1065	885	611		3	5	71
149	1066	886		275	2	13	41
150	1070	889	614		2	5	107
151	1074	893	617		2	3	179
152	1085	904	624		5	7	31
153	1086	905	625		2	3	181
154	1090	908	627		2	5	109
155	1095	911	630		3	5	73
156	1102	917	633		2	19	29
157	1105	919		285	5	13	17
158	1106	920	635		2	7	79
159	1113	926	639		3	7	53
160	1118	930		289	2	13	43
161	1130	940		292	2	5	113
162	1131	941	649		3	13	29
163	1146	956	659		2	3	191
164	1158	966	665		2	3	193
165	1162	970	669		2	7	83
166	1166	973	671		2	11	53
167	1173	979	675		3	17	23
168	1178	984		306	2	19	31
169	1182	987	681		2	3	197
170	1185	990	683		3	5	79
171	1194	997	687		2	3	199
172	1209	1011	695		3	13	31
173	1221	1021	702		3	11	37
174	1222	1022		320	2	13	47
175	1235	1032		323	5	13	19
176	1239	1035	712		3	7	59
177	1245	1041	716		3	5	83
178	1246	1042		326	2	7	89
179	1258	1053	725		2	17	37
180	1265	1059	729		5	11	23
181	1266	1060	730		2	3	211
182	1270	1064	733		2	5	127
183	1281	1073	739		3	7	61
184	1295	1084		338	5	7	37
185	1298	1086	748		2	11	59
186	1309	1094		339	7	11	17
187	1310	1095		340	2	5	131
188	1311	1096	756		3	19	23
189	1334	1116		346	2	23	29
190	1335	1117	771		3	5	89
191	1338	1120	773		2	3	223
192	1342	1124	777		2	11	61
193	1353	1135	784		3	11	41
194	1358	1140		353	2	7	97

195	1362	1143	790		2	3	227
196	1370	1150		356	2	5	137
197	1374	1153	796		2	3	229
198	1378	1157		359	2	13	53
199	1390	1168		362	2	5	139
200	1394	1172		363	2	17	41
201	1398	1176	812		2	3	233
202	1406	1183		367	2	19	37
203	1407	1184	817		3	7	67
204	1414	1190	821		2	7	101
205	1419	1195	824		3	11	43
206	1426	1201		374	2	23	31
207	1434	1206	832		2	3	239
208	1435	1207		375	5	7	41
209	1442	1213		376	2	7	103
210	1443	1214	838		3	13	37
211	1446	1217	840		2	3	241
212	1455	1223	845		3	5	97
213	1462	1229		381	2	17	43
214	1463	1230	849		7	11	19
215	1474	1240	857		2	11	67
216	1479	1245	860		3	17	29
217	1490	1252	864		2	5	149
218	1491	1253	865		3	7	71
219	1495	1256		389	5	13	23
220	1498	1259	870		2	7	107
221	1505	1265		391	5	7	43
222	1506	1266	875		2	3	251
223	1510	1270		393	2	5	151
224	1515	1274	880		3	5	101
225	1526	1284	888		2	7	109
226	1533	1290	892		3	7	73
227	1534	1291		399	2	13	59
228	1542	1299	898		2	3	257
229	1545	1301	900		3	5	103
230	1547	1303		402	7	13	17
231	1551	1306	903		3	11	47
232	1558	1312		406	2	19	41
233	1562	1315	908		2	11	71
234	1570	1322		409	2	5	157
235	1578	1329	918		2	3	263
236	1581	1331	920		3	17	31
237	1582	1332	921		2	7	113
238	1586	1335	923		2	13	61
239	1595	1344	929		5	11	29
240	1598	1346		416	2	17	47
241	1599	1347	931		3	13	41
242	1605	1352	934		3	5	107
243	1606	1353		419	2	11	73
244	1614	1358	939		2	3	269
245	1615	1359		420	5	17	19
246	1626	1368	946		2	3	271
247	1630	1371	948		2	5	163
248	1634	1375	950		2	19	43
249	1635	1376	951		3	5	109
250	1645	1385	957		5	7	47
251	1653	1393	962		3	19	29
252	1659	1398	966		3	7	79
253	1662	1401	968		2	3	277
254	1670	1406	971		2	5	167
255	1677	1413	976		3	13	43
256	1686	1422	982		2	3	281
257	1695	1430	988		3	5	113
258	1698	1432	990		2	3	283
259	1702	1435	993		2	23	37
260	1705	1438		444	5	11	31
261	1729	1459		449	7	13	19
262	1730	1460		450	2	5	173
263	1738	1467		453	2	11	79
264	1742	1470	1017		2	13	67

265	1743	1471	1018		3	7	83
266	1749	1476	1022		3	11	53
267	1758	1484	1027		2	3	293
268	1767	1492	1033		3	19	31
269	1771	1496	1036		7	11	23
270	1778	1502		463	2	7	127
271	1786	1509	1045		2	19	47
272	1790	1511		465	2	5	179
273	1798	1519	1052		2	29	31
274	1802	1522		468	2	17	53
275	1810	1530	1060		2	5	181
276	1826	1544		476	2	11	83
277	1833	1550	1073		3	13	47
278	1834	1551	1074		2	7	131
279	1842	1559	1079		2	3	307
280	1846	1563		482	2	13	71
281	1855	1571		484	5	7	53
282	1866	1581	1094		2	3	311
283	1869	1583	1095		3	7	89
284	1878	1589	1101		2	3	313
285	1885	1595	1105		5	13	29
286	1886	1596		491	2	23	41
287	1887	1597	1106		3	17	37
288	1898	1607	1114		2	13	73
289	1902	1610	1117		2	3	317
290	1905	1613	1119		3	5	127
291	1910	1617		496	2	5	191
292	1918	1624		499	2	7	137
293	1930	1636		503	2	5	193
294	1946	1650	1143		2	7	139
295	1947	1651	1144		3	11	59
296	1955	1657	1148		5	17	23
297	1958	1660		510	2	11	89
298	1965	1667	1155		3	5	131
299	1970	1672		514	2	5	197
300	1978	1679	1163		2	23	43
301	1986	1686	1168		2	3	331
302	1990	1689		519	2	5	199
303	2001	1697		522	3	23	29
304	2006	1701	1178		2	17	59
305	2013	1707	1181		3	11	61
306	2014	1708		527	2	19	53
307	2015	1709	1182		5	13	31
308	2022	1715	1186		2	3	337
309	2035	1726	1194		5	11	37
310	2037	1728	1195		3	7	97
311	2054	1743		539	2	13	79
312	2055	1744	1205		3	5	137
313	2065	1753		541	5	7	59
314	2067	1755	1214		3	13	53
315	2074	1761		543	2	17	61
316	2082	1768	1224		2	3	347
317	2085	1770	1226		3	5	139
318	2086	1771	1227		2	7	149
---> 319	2091	1774	1229		3	17	41	[pattern 319k note 1]
320	2093	1776	1230		7	13	23
321	2094	1777	1231		2	3	349
322	2109	1791	1239		3	19	37
323	2110	1792	1240		2	5	211
324	2114	1794	1242		2	7	151
325	2118	1798	1245		2	3	353
326	2121	1801	1246		3	7	101
327	2134	1812	1254		2	11	97
328	2135	1813		559	5	7	61
329	2139	1816	1257		3	23	31
330	2146	1821		562	2	29	37
331	2154	1828	1266		2	3	359
332	2158	1832	1269		2	13	83
333	2162	1835		565	2	23	47
334	2163	1836	1271		3	7	103

335	2185	1857	1285		5	19	23
336	2193	1865	1290		3	17	43
337	2198	1870	1293		2	7	157
338	2202	1874	1296		2	3	367
339	2211	1881	1301		3	11	67
340	2222	1890	1307		2	11	101
341	2230	1898		586	2	5	223
342	2233	1901	1315		7	11	29
343	2235	1903	1316		3	5	149
344	2238	1905	1317		2	3	373
345	2242	1908	1320		2	19	59
346	2247	1912	1323		3	7	107
347	2255	1919	1327		5	11	41
348	2261	1925		594	7	17	19
349	2265	1929	1334		3	5	151
350	2266	1930	1335		2	11	103
351	2270	1932		596	2	5	227
352	2274	1935	1338		2	3	379
353	2278	1939		599	2	17	67
354	2282	1942	1343		2	7	163
355	2289	1948	1348		3	7	109
356	2290	1949		601	2	5	229
357	2294	1952		602	2	31	37
358	2298	1955	1352		2	3	383
359	2301	1958	1354		3	13	59
360	2314	1969	1362		2	13	89
361	2318	1973	1364		2	19	61
362	2330	1985	1373		2	5	233
363	2334	1988	1376		2	3	389
364	2337	1991	1378		3	19	41
365	2338	1992	1379		2	7	167
366	2343	1995	1381		3	11	71
367	2345	1997	1382		5	7	67
368	2354	2004	1387		2	11	107
369	2355	2005	1388		3	5	157
370	2365	2014	1394		5	11	43
371	2373	2021	1399		3	7	113
372	2378	2025	1402		2	29	41
373	2379	2026	1403		3	13	61
374	2382	2028	1404		2	3	397
375	2387	2032	1406		7	11	31
376	2390	2034	1408		2	5	239
377	2397	2040	1413		3	17	47
378	2398	2041	1414		2	11	109
379	2405	2047		629	5	13	37
380	2406	2048	1419		2	3	401
381	2409	2051	1421		3	11	73
382	2410	2052		631	2	5	241
383	2414	2055		632	2	17	71
384	2422	2062	1429		2	7	173
385	2431	2070	1435		11	13	17
386	2438	2076		638	2	23	53
387	2445	2082	1443		3	5	163
388	2451	2087	1446		3	19	43
389	2454	2090	1448		2	3	409
390	2465	2100		646	5	17	29
391	2482	2114	1465		2	17	73
392	2485	2117		651	5	7	71
393	2486	2118	1467		2	11	113
394	2494	2126		654	2	29	43
395	2505	2136	1479		3	5	167
396	2506	2137		658	2	7	179
397	2510	2141	1483		2	5	251
398	2514	2145	1486		2	3	419
399	2522	2152		662	2	13	97
400	2526	2156	1493		2	3	421
401	2534	2163	1498		2	7	181
402	2542	2170		668	2	31	41
403	2546	2173		669	2	19	67
404	2553	2178	1508		3	23	37

405	2555	2180		671	5	7	73
406	2570	2194	1520		2	5	257
407	2585	2208	1530		5	11	47
408	2586	2209	1531		2	3	431
409	2595	2216	1537		3	5	173
410	2598	2219	1539		2	3	433
411	2607	2228	1546		3	11	79
412	2613	2233	1550		3	13	67
413	2626	2244	1558		2	13	101
414	2630	2248		689	2	5	263
415	2634	2251	1561		2	3	439
416	2635	2252	1562		5	17	31
417	2639	2256	1564		7	13	29
418	2658	2273	1576		2	3	443
419	2665	2278		698	5	13	41
420	2666	2279	1581		2	31	43
421	2667	2280	1582		3	7	127
422	2674	2286		701	2	7	191
423	2678	2289		702	2	13	103
424	2679	2290	1588		3	19	47
425	2685	2295	1592		3	5	179
426	2686	2296	1593		2	17	79
427	2690	2298		704	2	5	269
428	2694	2301	1596		2	3	449
429	2697	2304	1598		3	29	31
430	2698	2305	1599		2	19	71
431	2702	2308		707	2	7	193
432	2703	2309	1602		3	17	53
433	2710	2315	1606		2	5	271
434	2714	2317	1608		2	23	59
435	2715	2318	1609		3	5	181
436	2717	2320		710	11	13	19
437	2726	2328		713	2	29	47
438	2737	2337		716	7	17	23
439	2739	2339	1623		3	11	83
440	2742	2341	1624		2	3	457
441	2751	2349	1630		3	7	131
442	2755	2352		720	5	19	29
443	2758	2355	1635		2	7	197
444	2765	2362	1639		5	7	79
445	2766	2363	1640		2	3	461
446	2769	2365	1641		3	13	71
447	2770	2366	1642		2	5	277
448	2774	2370	1644		2	19	73
449	2778	2373	1647		2	3	463
450	2782	2377		728	2	13	107
451	2786	2381		729	2	7	199
452	2794	2387	1658		2	11	127
453	2795	2388		730	5	13	43
454	2802	2393	1663		2	3	467
455	2806	2396	1666		2	23	61
456	2810	2400		733	2	5	281
457	2821	2410		737	7	13	31
458	2822	2411	1674		2	17	83
459	2829	2418	1679		3	23	41
460	2830	2419		740	2	5	283
461	2834	2422		741	2	13	109
462	2847	2433	1690		3	13	73
463	2849	2435		744	7	11	37
464	2865	2448	1700		3	5	191
465	2874	2457	1706		2	3	479
466	2877	2460	1708		3	7	137
467	2882	2464	1711		2	11	131
468	2895	2476	1720		3	5	193
469	2905	2484	1726		5	7	83
470	2914	2492	1731		2	31	47
471	2915	2493		762	5	11	53
472	2919	2496	1734		3	7	139
473	2922	2499	1736		2	3	487
474	2930	2506	1741		2	5	293

475	2937	2513	1746		3	11	89
476	2938	2514	1747		2	13	113
477	2945	2520	1751		5	19	31
478	2946	2521	1752		2	3	491
479	2954	2528	1757		2	7	211
480	2955	2529	1758		3	5	197
481	2967	2539	1765		3	23	43
482	2985	2555	1778		3	5	199
483	2994	2564	1786		2	3	499
484	3002	2570		780	2	19	79
485	3009	2577	1795		3	17	59
486	3014	2581	1798		2	11	137
487	3018	2585	1801		2	3	503
488	3021	2587	1802		3	19	53
489	3026	2591		787	2	17	89
490	3034	2599	1810		2	37	41
491	3054	2616	1822		2	3	509
492	3055	2617		795	5	13	47
493	3058	2620	1825		2	11	139
494	3059	2621		796	7	19	23
495	3070	2630	1831		2	5	307
496	3074	2634	1833		2	29	53
497	3081	2640	1837		3	13	79
498	3082	2641		804	2	23	67
499	3110	2666		813	2	5	311
500	3111	2667	1854		3	17	61
501	3115	2671	1857		5	7	89
502	3122	2676	1860		2	7	223
503	3126	2680	1863		2	3	521
504	3129	2683	1865		3	7	149
505	3130	2684		819	2	5	313
506	3138	2691	1870		2	3	523
507	3145	2698		823	5	17	37
508	3154	2707		826	2	19	83
509	3157	2710	1884		7	11	41
510	3165	2717	1889		3	5	211
511	3170	2720		829	2	5	317
512	3171	2721	1892		3	7	151
513	3178	2728		832	2	7	227
514	3182	2731	1899		2	37	43
515	3201	2748	1911		3	11	97
516	3206	2752		839	2	7	229
517	3219	2763	1921		3	29	37
518	3237	2779	1932		3	13	83
519	3243	2785	1936		3	23	47
520	3245	2787	1937		5	11	59
521	3246	2788	1938		2	3	541
522	3262	2800		853	2	7	233
523	3266	2804		854	2	23	71
524	3278	2815	1958		2	11	149
525	3282	2819	1961		2	3	547
526	3286	2823		860	2	31	53
527	3289	2826	1966		11	13	23
528	3297	2834	1972		3	7	157
529	3298	2835	1973		2	17	97
530	3302	2837	1975		2	13	127
531	3310	2844		864	2	5	331
532	3311	2845	1981		7	11	43
533	3322	2854	1988		2	11	151
534	3333	2862	1994		3	11	101
535	3335	2864	1995		5	23	29
536	3342	2871	2000		2	3	557
537	3345	2873	2002		3	5	223
538	3346	2874	2003		2	7	239
539	3355	2882	2008		5	11	61
540	3358	2885		876	2	23	73
541	3363	2888	2012		3	19	59
542	3367	2892		878	7	13	37
543	3370	2895		879	2	5	337
544	3374	2897		880	2	7	241

545	3378	2901	2020		2	3	563
546	3382	2905	2024		2	19	89
547	3395	2916	2031		5	7	97
548	3399	2920	2034		3	11	103
549	3405	2926	2038		3	5	227
550	3406	2927		889	2	13	131
551	3414	2933	2044		2	3	569
552	3417	2936	2046		3	17	67
553	3422	2941		892	2	29	59
554	3423	2942	2050		3	7	163
555	3426	2945	2052		2	3	571
556	3434	2952	2057		2	17	101
557	3435	2953	2058		3	5	229
558	3441	2959	2061		3	31	37
559	3445	2963	2064		5	13	53
560	3451	2968		902	7	17	29
561	3454	2971	2069		2	11	157
562	3462	2977	2073		2	3	577
563	3470	2982	2076		2	5	347
564	3471	2983	2077		3	13	89
565	3477	2989	2081		3	19	61
566	3478	2990	2082		2	37	47
567	3485	2997	2086		5	17	41
568	3490	3002	2090		2	5	349
569	3495	3006	2093		3	5	233
570	3502	3012	2098		2	17	103
571	3507	3017	2101		3	7	167
572	3514	3023		919	2	7	251
573	3515	3024	2105		5	19	37
574	3522	3030	2109		2	3	587
575	3526	3034	2112		2	41	43
576	3530	3036		923	2	5	353
577	3531	3037	2114		3	11	107
578	3535	3040	2116		5	7	101
579	3538	3043		926	2	29	61
580	3553	3055	2127		11	17	19
581	3558	3059	2129		2	3	593
582	3562	3062	2132		2	13	137
583	3565	3065		932	5	23	31
584	3567	3067	2135		3	29	41
585	3585	3082	2146		3	5	239
586	3586	3083	2147		2	11	163
587	3590	3087		938	2	5	359
588	3594	3090	2151		2	3	599
589	3597	3093	2153		3	11	109
590	3598	3094	2154		2	7	257
591	3605	3101	2159		5	7	103
592	3606	3102	2160		2	3	601
593	3614	3108	2164		2	13	139
594	3615	3109	2165		3	5	241
595	3619	3112		945	7	11	47
596	3621	3114	2168		3	17	71
597	3633	3124	2175		3	7	173
598	3634	3125	2176		2	23	79
599	3638	3128	2178		2	17	107
600	3642	3132	2181		2	3	607
601	3655	3144		955	5	17	43
602	3657	3146	2191		3	23	53
603	3658	3147	2192		2	31	59
604	3670	3158	2200		2	5	367
605	3674	3160	2202		2	11	167
606	3678	3163	2205		2	3	613
607	3682	3167		960	2	7	263
608	3685	3170	2210		5	11	67
609	3686	3171		961	2	19	97
610	3689	3174	2213		7	17	31
611	3702	3184	2222		2	3	617
612	3706	3188	2225		2	17	109
613	3714	3195	2229		2	3	619
614	3723	3203	2234		3	17	73

615	3729	3208	2238		3	11	113
616	3730	3209		971	2	5	373
617	3731	3210	2239		7	13	41
618	3741	3218	2245		3	29	43
---> 619	3745	3222		975	5	7	107
620	3759	3236	2257		3	7	179
621	3765	3241	2261		3	5	251
622	3766	3242	2262		2	7	269
623	3782	3255	2271		2	31	61
624	3783	3256	2272		3	13	97
625	3786	3259	2274		2	3	631
626	3790	3263		986	2	5	379
627	3794	3266		987	2	7	271
628	3801	3272	2284		3	7	181
629	3806	3276		990	2	11	173
630	3813	3283	2291		3	31	41
631	3815	3285		993	5	7	109
632	3818	3288	2294		2	23	83
633	3819	3289	2295		3	19	67
634	3830	3298	2301		2	5	383
635	3835	3302		998	5	13	59
636	3838	3305	2307		2	19	101
637	3842	3309		1000	2	17	113
638	3846	3313	2312		2	3	641
639	3854	3318	2316		2	41	47
640	3855	3319	2317		3	5	257
641	3857	3321		1003	7	19	29
642	3858	3322	2319		2	3	643
643	3874	3337	2330		2	13	149
644	3878	3340	2332		2	7	277
645	3882	3343	2334		2	3	647
646	3886	3347	2337		2	29	67
647	3890	3350	2340		2	5	389
648	3895	3355	2344		5	19	41
649	3905	3365		1014	5	11	71
650	3913	3371	2356		7	13	43
651	3914	3372		1016	2	19	103
652	3918	3375	2358		2	3	653
653	3922	3378	2361		2	37	53
654	3926	3381	2363		2	13	151
655	3934	3387		1020	2	7	281
656	3938	3391		1021	2	11	179
657	3939	3392	2371		3	13	101
658	3945	3397	2375		3	5	263
659	3954	3405	2381		2	3	659
660	3955	3406	2382		5	7	113
661	3962	3413	2387		2	7	283
662	3965	3416		1027	5	13	61
663	3966	3417	2390		2	3	661
664	3970	3420		1028	2	5	397
665	3982	3432	2403		2	11	181
666	3995	3444	2413		5	17	47
667	3999	3448	2416		3	31	43
668	4010	3456		1034	2	5	401
669	4011	3457	2423		3	7	191
670	4015	3460	2425		5	11	73
671	4017	3462	2426		3	13	103
672	4029	3471	2433		3	17	79
673	4035	3477	2437		3	5	269
674	4038	3480	2439		2	3	673
675	4042	3484	2443		2	43	47
676	4047	3489	2446		3	19	71
677	4053	3493	2449		3	7	193
678	4062	3501	2454		2	3	677
679	4065	3504	2456		3	5	271
680	4066	3505	2457		2	19	107
681	4071	3510	2459		3	23	59
682	4081	3518		1055	7	11	53
683	4082	3519	2464		2	13	157
684	4085	3522		1056	5	19	43

685	4089	3526	2469		3	29	47
686	4090	3527		1058	2	5	409
687	4094	3529		1059	2	23	89
688	4098	3533	2473		2	3	683
689	4102	3536		1062	2	7	293
690	4118	3551	2485		2	29	71
691	4123	3556	2489		7	19	31
692	4137	3567	2497		3	7	197
693	4142	3571		1071	2	19	109
694	4146	3575	2503		2	3	691
695	4147	3576	2504		11	13	29
696	4154	3582	2508		2	31	67
697	4155	3583	2509		3	5	277
698	4161	3587	2512		3	19	73
699	4173	3599	2520		3	13	107
700	4179	3604	2524		3	7	199
701	4190	3615	2532		2	5	419
702	4191	3616	2533		3	11	127
703	4199	3624		1086	13	17	19
704	4202	3626	2540		2	11	191
705	4206	3630	2543		2	3	701
706	4209	3633	2545		3	23	61
707	4210	3634		1089	2	5	421
708	4215	3638	2548		3	5	281
709	4233	3652	2558		3	17	83
710	4234	3653		1095	2	29	73
711	4238	3657		1096	2	13	163
712	4245	3662	2566		3	5	283
713	4246	3663	2567		2	11	193
714	4251	3668	2569		3	13	109
715	4254	3670	2570		2	3	709
716	4255	3671	2571		5	23	37
717	4277	3689	2582		7	13	47
718	4294	3704		1110	2	19	113
719	4298	3707		1111	2	7	307
720	4301	3710	2598		11	17	23
721	4310	3719	2605		2	5	431
722	4314	3723	2608		2	3	719
723	4318	3727	2611		2	17	127
724	4323	3732	2614		3	11	131
725	4330	3738	2618		2	5	433
726	4334	3742	2620		2	11	197
727	4342	3748		1124	2	13	167
728	4345	3751	2627		5	11	79
729	4346	3752		1125	2	41	53
730	4354	3759	2632		2	7	311
731	4355	3760		1128	5	13	67
732	4362	3766	2637		2	3	727
733	4366	3769		1131	2	37	59
734	4371	3774	2643		3	31	47
735	4378	3780	2648		2	11	199
736	4382	3784		1134	2	7	313
737	4390	3792	2656		2	5	439
738	4395	3796	2659		3	5	293
739	4398	3798	2661		2	3	733
740	4402	3802	2665		2	31	71
741	4403	3803		1138	7	17	37
742	4407	3807	2668		3	13	113
743	4430	3827		1145	2	5	443
744	4431	3828	2683		3	7	211
745	4433	3830	2684		11	13	31
746	4434	3831	2685		2	3	739
747	4438	3835		1148	2	7	317
748	4445	3841		1149	5	7	127
749	4454	3848		1151	2	17	131
750	4458	3851	2699		2	3	743
751	4462	3855	2703		2	23	97
752	4465	3857		1153	5	19	47
753	4490	3880		1159	2	5	449
754	4495	3884	2724		5	29	31

755	4498	3887	2726		2	13	173
756	4503	3892	2730		3	19	79
757	4505	3894	2731		5	17	53
758	4506	3895	2732		2	3	751
759	4514	3901	2736		2	37	61
760	4521	3906	2740		3	11	137
761	4526	3910		1168	2	31	73
762	4539	3923	2751		3	17	89
763	4542	3926	2753		2	3	757
764	4543	3927	2754		7	11	59
765	4551	3933	2758		3	37	41
766	4558	3940	2763		2	43	53
767	4565	3946	2766		5	11	83
768	4566	3947	2767		2	3	761
769	4570	3950	2769		2	5	457
770	4582	3962		1186	2	29	79
771	4585	3964	2778		5	7	131
772	4587	3966	2779		3	11	139
773	4605	3981	2792		3	5	307
774	4610	3986		1192	2	5	461
775	4611	3987	2795		3	29	53
776	4614	3990	2797		2	3	769
777	4615	3991	2798		5	13	71
778	4623	3998	2803		3	23	67
779	4630	4005		1198	2	5	463
780	4634	4009		1199	2	7	331
781	4638	4012	2812		2	3	773
782	4642	4015	2815		2	11	211
783	4646	4018	2817		2	23	101
784	4654	4024		1203	2	13	179
785	4658	4027		1204	2	17	137
786	4665	4033	2828		3	5	311
787	4669	4037	2831		7	23	29
788	4670	4038		1207	2	5	467
789	4683	4049	2839		3	7	223
790	4695	4060	2847		3	5	313
791	4697	4062	2849		7	11	61
792	4706	4070		1216	2	13	181
793	4715	4079		1219	5	23	41
794	4718	4082	2862		2	7	337
795	4722	4085	2864		2	3	787
796	4726	4088		1223	2	17	139
797	4731	4092	2869		3	19	83
798	4738	4098	2874		2	23	103
799	4745	4105	2878		5	13	73
800	4755	4114	2885		3	5	317
801	4767	4125	2892		3	7	227
802	4773	4131	2897		3	37	43
803	4782	4140	2904		2	3	797
804	4790	4145	2908		2	5	479
805	4795	4149	2912		5	7	137
806	4807	4159		1239	11	19	23
807	4809	4161	2922		3	7	229
808	4814	4165		1241	2	29	83
809	4823	4173		1243	7	13	53
810	4826	4176	2932		2	19	127
811	4838	4187		1248	2	41	59
812	4854	4203	2950		2	3	809
813	4858	4207	2953		2	7	347
814	4865	4213		1255	5	7	139
815	4866	4214	2959		2	3	811
816	4870	4218		1256	2	5	487
817	4879	4225	2968		7	17	41
818	4886	4232	2974		2	7	349
819	4893	4238	2979		3	7	233
820	4895	4240	2981		5	11	89
821	4898	4243		1260	2	31	79
822	4899	4244	2984		3	23	71
823	4906	4250		1263	2	11	223
824	4910	4253	2990		2	5	491

825	4917	4260	2995		3	11	149
826	4921	4263	2998		7	19	37
827	4922	4264		1266	2	23	107
828	4926	4268	3001		2	3	821
829	4929	4271	3003		3	31	53
830	4938	4277	3009		2	3	823
831	4942	4281		1270	2	7	353
832	4945	4283	3013		5	23	43
833	4947	4285	3014		3	17	97
834	4953	4290	3019		3	13	127
835	4958	4294	3022		2	37	67
836	4962	4298	3025		2	3	827
837	4965	4301	3027		3	5	331
838	4966	4302	3028		2	13	191
839	4974	4307	3033		2	3	829
840	4978	4311	3037		2	19	131
841	4982	4315		1276	2	47	53
842	4983	4316	3040		3	11	151
843	4990	4322	3045		2	5	499
844	4991	4323		1278	7	23	31
845	4994	4325	3047		2	11	227
846	5002	4332		1281	2	41	61
847	5014	4341	3058		2	23	109
848	5015	4342		1284	5	17	59
849	5018	4345	3060		2	13	193
850	5019	4346	3061		3	7	239
851	5026	4351		1288	2	7	359
852	5030	4355	3067		2	5	503
853	5034	4359	3070		2	3	839
854	5035	4360		1290	5	19	53
855	5037	4362	3072		3	23	73
856	5038	4363	3073		2	11	229
857	5055	4378	3084		3	5	337
858	5061	4383	3087		3	7	241
859	5066	4388		1298	2	17	149
860	5073	4395	3095		3	19	89
861	5074	4396	3096		2	43	59
862	5083	4403	3101		13	17	23
863	5090	4409	3105		2	5	509
864	5109	4425	3118		3	13	131
865	5117	4432	3122		7	17	43
866	5118	4433	3123		2	3	853
867	5122	4436	3126		2	13	197
868	5126	4440	3128		2	11	233
869	5133	4447	3133		3	29	59
870	5134	4448		1315	2	17	151
871	5135	4449	3134		5	13	79
872	5138	4452		1316	2	7	367
873	5142	4456	3139		2	3	857
874	5146	4460	3142		2	31	83
875	5151	4464	3144		3	17	101
876	5154	4466	3145		2	3	859
877	5159	4471	3148		7	11	67
878	5162	4474	3150		2	29	89
879	5174	4484		1327	2	13	199
880	5178	4488	3160		2	3	863
881	5181	4490	3162		3	11	157
882	5185	4494		1330	5	17	61
883	5198	4505		1333	2	23	113
884	5205	4512	3177		3	5	347
885	5206	4513		1336	2	19	137
886	5210	4516	3180		2	5	521
887	5215	4521		1338	5	7	149
888	5217	4523	3185		3	37	47
889	5222	4528		1340	2	7	373
890	5230	4535	3193		2	5	523
891	5235	4538	3196		3	5	349
892	5246	4548		1346	2	43	61
893	5253	4555	3207		3	17	103
894	5254	4556	3208		2	37	71

895	5258	4560	3210		2	11	239
896	5262	4563	3212		2	3	877
897	5271	4572	3219		3	7	251
898	5282	4580		1355	2	19	139
899	5285	4583	3227		5	7	151
900	5286	4584	3228		2	3	881
901	5289	4587	3230		3	41	43
902	5291	4589		1358	11	13	37
903	5295	4593	3234		3	5	353
904	5298	4595	3236		2	3	883
905	5302	4599	3240		2	11	241
906	5306	4602	3242		2	7	379
907	5307	4603	3243		3	29	61
908	5322	4617	3253		2	3	887
909	5335	4628	3260		5	11	97
910	5338	4631		1370	2	17	157
911	5343	4636	3265		3	13	137
912	5362	4653	3278		2	7	383
913	5365	4656		1377	5	29	37
914	5369	4660		1378	7	13	59
915	5379	4670	3289		3	11	163
916	5385	4675	3293		3	5	359
917	5395	4683	3299		5	13	83
918	5397	4685	3300		3	7	257
919	5402	4689		1386	2	37	73
920	5405	4692	3305		5	23	47
921	5410	4696	3308		2	5	541
922	5421	4704	3314		3	13	139
923	5423	4706	3315		11	17	29
924	5442	4722	3327		2	3	907
925	5446	4725		1397	2	7	389
926	5451	4729	3332		3	23	79
927	5453	4731		1398	7	19	41
928	5457	4735	3336		3	17	107
929	5466	4744	3342		2	3	911
930	5467	4745	3343		7	11	71
931	5470	4748	3345		2	5	547
932	5486	4760		1407	2	13	211
933	5487	4761	3354		3	31	59
934	5494	4768	3360		2	41	67
935	5495	4769		1409	5	7	157
936	5505	4777	3368		3	5	367
937	5511	4782	3371		3	11	167
938	5514	4785	3373		2	3	919
939	5518	4789		1414	2	31	89
940	5522	4791	3377		2	11	251
941	5523	4792	3378		3	7	263
942	5529	4797	3382		3	19	97
943	5542	4809	3391		2	17	163
944	5546	4813	3393		2	47	59
945	5551	4818	3397		7	13	61
946	5555	4822	3399		5	11	101
947	5558	4824		1424	2	7	397
948	5559	4825	3401		3	17	109
949	5570	4834		1427	2	5	557
950	5574	4837	3409		2	3	929
951	5593	4854	3423		7	17	47
952	5595	4856	3424		3	5	373
953	5605	4866	3432		5	19	59
954	5614	4875	3438		2	7	401
955	5621	4882	3442		7	11	73
956	5622	4883	3443		2	3	937
957	5626	4886		1442	2	29	97
958	5630	4890	3448		2	5	563
959	5646	4904	3458		2	3	941
960	5649	4906	3459		3	7	269
961	5654	4909	3462		2	11	257
962	5662	4915		1449	2	19	149
963	5665	4918	3469		5	11	103
964	5673	4925	3474		3	31	61

965	5678	4930	3478		2	17	167
966	5681	4933	3480		13	19	23
967	5682	4934	3481		2	3	947
968	5685	4936	3482		3	5	379
969	5690	4940	3486		2	5	569
970	5691	4941	3487		3	7	271
971	5695	4944	3490		5	17	67
972	5705	4953		1456	5	7	163
973	5709	4957	3500		3	11	173
974	5710	4958		1458	2	5	571
975	5718	4964	3504		2	3	953
976	5719	4965	3505		7	19	43
977	5726	4972	3510		2	7	409
978	5727	4973	3511		3	23	83
979	5734	4980		1465	2	47	61
980	5735	4981	3516		5	31	37
981	5738	4983		1466	2	19	151
982	5745	4988	3522		3	5	383
983	5757	4999	3529		3	19	101
984	5762	5004	3533		2	43	67
985	5763	5005	3534		3	17	113
986	5770	5012		1473	2	5	577
987	5781	5022	3548		3	41	47
988	5785	5025	3551		5	13	89
989	5786	5026	3552		2	11	263
990	5795	5034	3558		5	19	61
991	5797	5036	3560		11	17	31
992	5798	5037		1477	2	13	223
993	5802	5040	3562		2	3	967
994	5811	5048	3568		3	13	149
995	5817	5053	3572		3	7	277
996	5822	5057		1483	2	41	71
997	5826	5061	3577		2	3	971
998	5829	5063	3578		3	29	67
999	5835	5069	3582		3	5	389
1000	5842	5075		1490	2	23	127
1001	5845	5077	3587		5	7	167
1002	5846	5078		1491	2	37	79
1003	5858	5087	3595		2	29	101
1004	5862	5090	3597		2	3	977
1005	5863	5091	3598		11	13	41
1006	5866	5094	3600		2	7	419
1007	5870	5096	3602		2	5	587
1008	5871	5097	3603		3	19	103
1009	5882	5106		1496	2	17	173
1010	5883	5107	3611		3	37	53
1011	5885	5109	3613		5	11	107
1012	5889	5113	3616		3	13	151
1013	5894	5118	3620		2	7	421
1014	5898	5121	3623		2	3	983
1015	5901	5124	3625		3	7	281
1016	5902	5125	3626		2	13	227
1017	5907	5129	3629		3	11	179
1018	5918	5140		1504	2	11	269
1019	5930	5150		1506	2	5	593
1020	5943	5162	3653		3	7	283
1021	5945	5164		1510	5	29	41
1022	5946	5165	3655		2	3	991
1023	5954	5172		1512	2	13	229
1024	5955	5173	3661		3	5	397
1025	5957	5175	3663		7	23	37
1026	5962	5180	3668		2	11	271
1027	5966	5184	3671		2	19	157
1028	5973	5191	3676		3	11	181
1029	5974	5192	3677		2	29	103
1030	5982	5199	3683		2	3	997
1031	5986	5203	3687		2	41	73
1032	5990	5206		1518	2	5	599
1033	5995	5211	3693		5	11	109
1034	6010	5225		1523	2	5	601

1035	6014	5228		1524	2	31	97	
1036	6015	5229	3705		3	5	401	
1037	6026	5240	3713		2	23	131	
1038	6034	5247		1529	2	7	431	
1039	6035	5248	3719		5	17	71	
1040	6054	5263	3729		2	3	1009	
1041	6055	5264	3730		5	7	173	
1042	6058	5267		1536	2	13	233	
1043	6061	5270		1537	11	19	29	
1044	6062	5271	3734		2	7	433	
1045	6063	5272	3735		3	43	47	
1046	6070	5278		1539	2	5	607	
1047	6078	5285	3744		2	3	1013	
1048	6083	5289		1542	7	11	79	
1049	6086	5292	3749		2	17	179	
1050	6094	5298		1545	2	11	277	
1051	6095	5299	3754		5	23	53	
1052	6097	5301	3756		7	13	67	
1053	6099	5303	3757		3	19	107	
1054	6106	5309		1549	2	43	71	
1055	6114	5316	3767		2	3	1019	
1056	6123	5324	3772		3	13	157	
1057	6126	5327	3774		2	3	1021	
1058	6130	5331	3777		2	5	613	
1059	6135	5334	3780		3	5	409	
1060	6141	5340	3783		3	23	89	
1061	6142	5341		1558	2	37	83	
1062	6146	5344		1559	2	7	439	
1063	6149	5347	3787		11	13	43	
1064	6153	5350	3790		3	7	293	
1065	6154	5351	3791		2	17	181	
1066	6170	5366	3801		2	5	617	
1067	6177	5372	3806		3	29	71	
1068	6182	5377		1568	2	11	281	
1069	6186	5381	3812		2	3	1031	
1070	6190	5385	3815		2	5	619	
1071	6194	5389	3817		2	19	163	
1072	6198	5392	3820		2	3	1033	
1073	6202	5395	3823		2	7	443	
1074	6205	5397		1573	5	17	73	
1075	6206	5398	3825		2	29	107	
---> 1076	6213	5404	3829		3	19	109	[pattern 129d note 2]
1077	6214	5405		1576	2	13	239	
1078	6215	5406	3830		5	11	113	
1079	6226	5415	3837		2	11	283	
1080	6231	5419	3839		3	31	67	
1081	6234	5422	3841		2	3	1039	
1082	6235	5423	3842		5	29	43	

Note 4: Sum of the first 37 digits   = 114   [pattern 37a]
        Sum of the remaining 197 digits = 861
12345678910111213141516171819202122 23|2425262728293031323334353637383940414243444546474 8495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293 9495969798991001011021031041051061071081091101111112113114
        where the   9th sphenic number = 114
        where the 114th sphenic number = 861

Note 5a: 619th sphenic number = 975th non-additive composite number = 3745.
Note 5b: The sum of digit sums of all numbers from 1 to 114 = 975 =
1+2+3+4+5+6+7+8+9+1+0+1+1+1+2+1+3+1+4+1+5+1+6+1+7+1+8+1+9+2+0+2+1+2+2+2+3+2+4+2+5+2+6+2+7
+2+8+2+9+3+0+3+1+3+2+3+3+3+4+3+5+3+6+3+7+3+8+3+9+4+0+4+1+4+2+4+3+4+4+4+5+4+6+4+7+4+8+4+9+
5+0+5+1+5+2+5+3+5+4+5+5+5+6+5+7+5+8+5+9+6+0+6+1+6+2+6+3+6+4+6+5+6+6+6+7+6+8+6+9+7+0+7+1+7
+2+7+3+7+4+7+5+7+6+7+7+7+8+7+9+8+0+8+1+8+2+8+3+8+4+8+5+8+6+8+7+8+8+8+9+9+0+9+1+9+2+9+3+9+
4+9+5+9+6+9+7+9+8+9+9+1+0+0+1+0+1+1+0+2+1+0+3+1+0+4+1+0+5+1+0+6+1+0+7+1+0+8+1+0+9+1+1+0+1
+1+1+1+1+2+1+1+3+1+1+4

Note 6: There are 3842 additive composites sphenic numbers up to 6236
        where   3842 is the 1000th Non-additive Composite = XC1000

```
--------------------------------
Double Squares and Triple Cubes
--------------------------------
```

Pattern 139a:

  Number of letters in the Quran including all 112 bismAllah
  and treating hamza_above_line as a letter = 328287.

  Chapter 1 gives the number of letters in the Quran:

Verse	W	L	W^2	L^2	W^3	L^3
1	4	19	16	361	64	6859
2	4	17	16	289	64	4913
3	2	12	4	144	8	1728
4	3	11	9	121	27	1331
5	4	19	16	361	64	6859
6	3	18	9	324	27	5832
7	9	43	81	1849	729	79507
Sum	29	139	151	3449	983	107029

  Quran Letters = $2(W^2 + L^2) + 3(L^3)$ = 328287

Pattern 139b:

  Duplicate Letters of بـسم الله الـرحمن الـرحيم

#	L	Freq^2
1	ب	1
2	س	1
3	م	9
4	ا	9
5	ل	16
6	ل	16
7	ه	1
8	ا	9
9	ل	16
10	ر	4
11	ح	4
12	م	9
13	ن	1
14	ا	9
15	ل	16
16	ر	4
17	ح	4
18	ي	1
19	م	9
Sum		139 = Number of letters in Chapter 1 (الـفـاتـحة)

Pattern 139c:

  Non-duplicate Letters of بـسم الله الـرحمن الـرحيم

#	L	Freq^3
1	ب	1
2	س	1
3	م	27
4	ا	27
5	ل	64
6	ه	1
7	ر	8
8	ح	8
9	ن	1
10	ي	1
Sum		139 = Number of letters in Chapter 1 (الـفـاتـحة)

```
-----------------------
227-digit Chapter Verses
-----------------------
227 is the highest prime number of verses per chapter used in the Quran.

Pattern 227a:
Right-to-left 227-digit long number of verses of all chapters is probable prime.
6545363745938111188519881121152030261917222536192942464050314056202828445252301212181111
4132422299678556249604518293835375989535485758818283455473303460698893227776411878112135
9
8110111128995243111123109129752061651201762002867

Left-to-right 227-digit long number of verses of all chapters is composite.
7286200176120165206751291091231114352991281111109813511278118647722793886969603430735445831
82887585545389593735382918456049625578962922413141111181212305252442828205640315040464 22
9193625222171926302015211188195881111839547363545 6
=
2×2×2×2×2×2×2×7×5527×13788552029073281735158466 3×10670504717247126646866092856331785237 99
0141601040472332856617295773739575584065802203256 92776185632312170651206612997972890224 26
7915999365821593835540053997606172030714779395259 4472242800705 4711


Pattern 227b:
Left-to-right digits of verses in odd chapters = 113 = the last odd chapter.
7200120202061291234399111981121187793693473451827554893738186062782924141112305228204050462
936221930151185811357655
Right-to-left digits of verses in odd chapters = 113 = the last odd chapter.
5567531185811153019223629465040202852301211142429786260183837895475182457334699377118112 9
8111994312312920612020 07
DigitSum1 = Sum of digits in verses in odd chapters           = 439

Left-to-right digits of verses in even chapters = 114 = the last even chapter.
2861761657510911152128110135786422788603054838885535935294549559622131118125244285631404 2
192517262021819811894334 6
Right-to-left digits of verses in even chapters = 114 = the last even chapter.
6433498118198212026172519424031562844521218111322965549452935595385888354306088227647813 5
11012852111109751651762 86
DigitSum2 = Sum of digits in the number of verses in even chapters  = 469

Digits of odd chapters + Digits of even chapters   = 113 + 114 =        227
DigitSum1 + DigitSum2                               = 439 + 469 = 908 = 2×2×227

Pattern 227c:
     19 chapters with prime verses before chapter 87 [pattern 9b]:
        ---------------------
        #     C      V
        ---------------------
        1     1      7
        2     10     109
        3     13     43
        4     26     227   <--- 4th chapter has 227 verses
        5     33     73
        6     36     83
        7     42     53
        8     43     89
        9     44     59
        10    45     37
        11    48     29
        12    57     29
        13    60     13
        14    62     11
        15    63     11
        16    76     31
        17    81     29
        18    82     19
        19    86     17
        ---------------------
        Sum   908    969
        ---------------------
        Sum of chapters = 908 = 2×2×227
        4th or (2×2)th chapter has  227 verses
```

Pattern 227d:
```
      18 prime verses-per-chapter are used by 32 chapters in the Quran:
      --------------------
      #      Verses Usage
      --------------------
      1      3      3
      2      5      4
      3      7      2
      4      11     5
      5      13     1
      6      17     1
      7      19     3
      8      29     3
      9      31     1
      10     37     1
      11     43     1
      12     53     1
      13     59     1
      14     73     1
      15     83     1
      16     89     1
      17     109    1
      18     227    1
      --------------------
      Sum    908    32
      --------------------
      Sum of chapters = 908 = 2×2×227
```

Pattern 227e:
Running Sum of BackwardChapter+Verses = 6×227 up to chapter 103.
Running Sum of BackwardChapter+Verses = 42×227 up to chapter 26 which has 227 verses.

```
      ----------------------------
      bC    Verses Sum    RunSum
      ----------------------------
      114    6      120    120
      113    5      118    238
      112    4      116    354
      111    5      116    470
      110    3      113    583
      109    6      115    698
      108    3      111    809
      107    7      114    923
      106    4      110    1033
      105    5      110    1143
      104    9      113    1256
 -->  103    3      106    1362    6×227
      102    8      110    1472
      101    11     112    1584
      100    11     111    1695
      99     8      107    1802
      98     8      106    1908
      97     5      102    2010
      96     19     115    2125
      95     8      103    2228
      94     8      102    2330
      93     11     104    2434
      92     21     113    2547
      91     15     106    2653
      90     20     110    2763
      89     30     119    2882
      88     26     114    2996
      87     19     106    3102
      86     17     103    3205
      85     22     107    3312
      84     25     109    3421
      83     36     119    3540
      82     19     101    3641
      81     29     110    3751
      80     42     122    3873
```

```
      79     46    125    3998
      78     40    118    4116
      77     50    127    4243
      76     31    107    4350
      75     40    115    4465
      74     56    130    4595
      73     20     93    4688
      72     28    100    4788
      71     28     99    4887
      70     44    114    5001
      69     52    121    5122
      68     52    120    5242
      67     30     97    5339
      66     12     78    5417
      65     12     77    5494
      64     18     82    5576
      63     11     74    5650
      62     11     73    5723
      61     14     75    5798
      60     13     73    5871
      59     24     83    5954
      58     22     80    6034
      57     29     86    6120
      56     96    152    6272
      55     78    133    6405
      54     55    109    6514
      53     62    115    6629
      52     49    101    6730
      51     60    111    6841
      50     45     95    6936
      49     18     67    7003
      48     29     77    7080
      47     38     85    7165
      46     35     81    7246
      45     37     82    7328
      44     59    103    7431
      43     89    132    7563
      42     53     95    7658
      41     54     95    7753
      40     85    125    7878
      39     75    114    7992
      38     88    126    8118
      37    182    219    8337
      36     83    119    8456
      35     45     80    8536
      34     54     88    8624
      33     73    106    8730
      32     30     62    8792
      31     34     65    8857
      30     60     90    8947
      29     69     98    9045
      28     88    116    9161
      27     93    120    9281
-->   26    227    253    9534    42×227
      25     77    102    9636
      24     64     88    9724
      23    118    141    9865
      22     78    100    9965
      21    112    133   10098
      20    135    155   10253
      19     98    117   10370
      18    110    128   10498
      17    111    128   10626
      16    128    144   10770
      15     99    114   10884
      14     52     66   10950
      13     43     56   11006
      12    111    123   11129
      11    123    134   11263
      10    109    119   11382
```

```
9      129    138    11520
8       75     83    11603
7      206    213    11816
6      165    171    11987
5      120    125    12112
4      176    180    12292
3      200    203    12495
2      286    288    12783
1        7      8    12791
       ----------------------------
```

Note 1: 42 = number of chapters in the mini-book   [pattern 16b note 1]

Note 2: Sum 26 + 227 = 253 = 114 + 139   [pattern 506a note 5]


```
---------------------------------
229 Quad Chapters with 229 Verses
---------------------------------
```
Pattern 229:
        There are 229 4-chapter groups
        where
        the sum of chapter numbers   = 229
        the sum of verses per chapter = 229

   Note 1:
        There are 16 4-chapter groups   [pattern 506a]
        where
        the sum of chapter numbers   = 229
        the sum of verses   = 229
        the sum of words   = Additive Prime

        There are 12 4-chapter groups
        where
        the sum of chapter numbers   = 229
        the sum of verses   = 229
        the sum of words   = Non-additive Prime

        There are 148 4-chapter groups   [pattern 619h note 1]
        where
        the sum of chapter numbers   = 229
        the sum of verses   = 229
        the sum of words   = Additive Composite

        There are 53 4-chapter groups   [pattern 506a]
        where
        the sum of chapter numbers   = 229
        the sum of verses   = 229
        the sum of words   = Non-additive Composite

    Note 2:
        The Alphabet_Primes1 value of the word "نور" = "Light"   = 229
        The Alphabet_Primes1 value of the word "طاقه" = "Energy"   = 229
        where light is the carrier of energy in the Universe (E = h×f)

        In total, there are 50 words with Alphabet_Primes1 value   = 229 where P50 = 229
        And the number of letters in these 50 words   = 229

        #   Word   Length Frequency
        ----
        1   ءاثرهم   6   6
        2   اجتبيه   6   1
        3   اخراجكم   7   1
        4   اخرقتها   7   1
        5   ادهي   4   1
        6   اسمه   4   5
        7   البحران   7   1
        8   الصلحت   6   61
        9   المدثر   6   1
```

```
10        الــيس           4      13
11        انـهـر           4       1
12        اهـدي            4       6
13        ايــذن           4       1
14        بـالـسوء         6       4
15        بـتحيه           5       1
16        بـثمره           5       1
17        بـذنـوب          5       2
18        بـفحشه           5       4
19        تـدخلـوا         6       6
20        سايــل           4       1
21        سبـحنك           5       9
22        صاحبكم           6       2
23        ضيقـا            4       2
---> 24   طاقـه            4       2
25        عمك              3       1
26        فـاخرجنـا        7       6
27        فـالـق           4       2
28        فـتقعد           5       2
29        فقـال            4      27
30        قـبـضته          5       1
31        لـحديـث          5       1
32        لـعـال           4       1
33        مـعك             3      11
34        مقـتصد           5       2
35        نـسبحك           5       1
36        نـعف             3       1
37        نـهـار           4       1
38        نـهـرا           4       1
---> 39   نــور            3       8
40        هـادي            4       1
41        هداي             4       2
42        هديـا            4       1
43        همسا             4       1
44        واخي             4       2
45        وذو              3       1
46        وصل              3       1
47        وهذا             4      15
48        يــاذن           4       3
49        يـداه            4       3
50        يــود            3       5
         --------------------------------
Sum                       229     234
         --------------------------------
```

Note 2b: The Alphabet_Primes1 value of the word "نـور" = "Light" = 229
          The Alphabet_Primes1 value of the word "طاقـه" = "Energy" = 229
       where
          Light is the carrier of Energy in the Universe: [E = h×f]
          [photon Energy = Planck's constant × photon Frequency]
          Planck's constant ~= 6.6×10^-34 Js

Note 3: The Alphabet_Primes1 value of verse 1:6
        "اهدنـا الـصرط الـمستقيم" = "Guide us to the Straight Path." = 916 = 4×229

Note 4: Chapter 1 (The Key) has a Alphabet_Primes1 value = 8317 = 91^2 + 6^2
        where 91 and 6 form 916 = 4×229

Note 5: 229 is a 4n+1 prime = 4×57+1 where 57 is the pivot chapter and
        Sum of positions of letter د in chapter 1 = 24+57+67+81 = 229
        Sum of distances of letter د in chapter 1 = 33+10+14   = 57

Note 6: Verse 1:6 has 5 verses before it and 1 verse after it in the chapter,
        that is 5-----6-1.

Note 7: The first word of verse 1:6 has 77860 words after it in the Quran
        where 77860 = 4×229 × 5×17

Note 8: Simplified28 without BismAllah:
      Single-digit chapters and chapters with single-digit verses have sum of letter
      = 4 × 7×29×139 where chapter the Key has 7 verses, 29 words and 139 letters.

#	Chapter	Verses	Words	Letters
1	1	7	29	139
2	2	286	6116	25613
3	3	200	3481	14605
4	4	176	3747	15937
5	5	120	2804	11892
6	6	165	3050	12418
7	7	206	3320	14071
8	8	75	1233	5299
9	9	129	2498	10873
10	94	8	27	102
11	95	8	34	156
12	97	5	30	112
13	98	8	94	394
14	99	8	36	156
15	102	8	28	122
16	103	3	14	70
17	104	9	33	133
18	105	5	23	96
19	106	4	17	73
20	107	7	25	112
21	108	3	10	42
22	109	6	26	95
23	110	3	19	79
24	111	5	23	81
25	112	4	15	47
26	113	5	23	71
27	114	6	20	80
Sum	1932	1469	26775	112868

  Note 9: 229 is the 19th long prime (229 = LP19)
          229 = 30th additive prime (229 = AP30)
            30 = 19th composite (30 = C19)

The Mother of the Book

Pattern 263a: Chapter 1's dot point to it letters and diacritics (harakaat) sum:

        بِسْمِ ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
        ٱلْحَمْدُ لِلَّهِ رَبِّ ٱلْعَٰلَمِينَ
        ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
        مَٰلِكِ يَوْمِ ٱلدِّينِ
        إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ
        ٱهْدِنَا ٱلصِّرَٰطَ ٱلْمُسْتَقِيمَ
        صِرَٰطَ ٱلَّذِينَ أَنْعَمْتَ عَلَيْهِمْ غَيْرِ ٱلْمَغْضُوبِ عَلَيْهِمْ وَلَا ٱلضَّآلِّينَ

  Note 1: Number of dots in chapter 1   = 56
          Letters   + Diacritics = 139 + 124 = 263 = P56
          Letters   + Dots   = 139 + 56 = 195 = C150 = DF150 where 150 = C114
          Diacritics + Dots   = 124 + 56 = 180 = C138

  Note 2: 56th prime or P56 = 263 where 56 + 263 = 319   [pattern 319]
          56th composite or C56 = 78 = number of initial letters in the Quran.

  Note 3: Left-to-right concatenation of all primes from 2 to 263 has 139 digits:
          2357111317192329313741434753596167717379838997101103107109113127131137139
          149151157163167173179181191193197199211223227229233239241251257263

  Note 4: Mother of the Book or "أم الكتب" is another name for chapter 1
          The Alphabet_Primes1 value of "أم الكتب" name = 263

Note 5: Chapter 1 of the Quran has 124 diacritics (harakaat)
        where the most repeated verse in the Quran [فَبِأَيِّ ءَالَاءِ رَبِّكُمَا تُكَذِّبَانِ] has
        4 words and is repeated 31 times where 4×31 = 124
        and its Alphabet_Primes1 value = 683 = 124th prime.   [pattern 31c]

Pattern 263b: Chapters with numbers equal to the product of their verse digits:

```
        ---------------------------
        C      V      DigitProduct
        ---------------------------
        16     128    1×2×8  =  16
        24     64     6×4    =  24
        27     93     9×3    =  27
        40     85     8×5    =  40
        ---------------------------
    Sum 107    370
        ---------------------------
    where
        370 - 107 =        263
        370 + 107 = 477 = AC263
```

Note 1: The above is 139th case:

#	X	Y	Diff	Sum	C	AC	DF	AB
1	2	4	2	6	2	2		
2	5	10	5	15	8	5	13	
3	6	12	6	18	10	6		2
4	8	16	8	24	14	8		4
5	11	24	13	35	23	13	28	
6	11	25	14	36	24	14		6
7	12	27	15	39	26	15	31	
8	12	28	16	40	27	16		7
9	13	31	18	44	29	18	34	
10	13	32	19	45	30	19	35	
11	13	33	20	46	31	20	36	
12	16	41	25	57	40	25	44	
13	17	43	26	60	42	26		12
14	18	48	30	66	47	30		13
15	21	56	35	77	55	35	60	
16	21	57	36	78	56	36		16
17	22	62	40	84	60	40		18
18	23	67	44	90	65	44		20
19	23	68	45	91	66	45	69	
20	24	71	47	95	70	47	73	
21	24	72	48	96	71	48		21
22	25	74	49	99	73	49	76	
23	30	82	52	112	82	52		26
24	31	85	54	116	85	54	87	
25	31	86	55	117	86	55	88	
26	31	87	56	118	87	56	89	
27	32	89	57	121	90	57	91	
28	33	92	59	125	94	59	95	
29	33	93	60	126	95	60		29
30	34	95	61	129	97	61	98	
31	34	96	62	130	98	62	99	
32	35	99	64	134	101	64	102	
33	35	100	65	135	102	65	103	
34	35	101	66	136	103	66	104	
35	37	106	69	143	108	69	109	
36	37	107	70	144	109	70		33
37	37	108	71	145	110	71	110	
38	39	113	74	152	115	74	116	
39	39	114	75	153	116	75	117	
40	39	115	76	154	117	76	118	
41	40	118	78	158	120	78	121	
42	40	119	79	159	121	79	122	
43	43	131	88	174	133	88		39
44	44	136	92	180	138	92		41
45	45	138	93	183	140	93	140	

46	46	143	97	189	146	97	145	
47	46	144	98	190	147	98	146	
48	47	147	100	194	149	100	149	
49	47	148	101	195	150	101	150	
50	47	149	102	196	151	102		44
51	49	153	104	202	155	104	154	
52	50	156	106	206	159	106	157	
53	50	157	107	207	160	107	158	
54	50	158	108	208	161	108		48
55	52	161	109	213	165	109	162	
56	53	166	113	219	171	113	167	
57	53	167	114	220	172	114		51
58	54	170	116	224	175	116		53
59	54	171	117	225	176	117	170	
60	54	172	118	226	177	118	171	
61	57	180	123	237	185	123	180	
62	58	182	124	240	187	124		56
63	59	187	128	246	192	128		57
64	61	194	133	255	200	133	195	
65	62	196	134	258	202	134		59
66	62	197	135	259	203	135	198	
67	62	198	136	260	204	136		60
68	62	199	137	261	205	137	199	
69	62	200	138	262	206	138	200	
70	63	203	140	266	209	140	203	
71	63	204	141	267	210	141	204	
72	63	205	142	268	211	142	205	
73	65	210	145	275	216	145	210	
74	65	211	146	276	217	146		64
75	66	213	147	279	219	147	213	
76	66	214	148	280	220	148		65
77	67	217	150	284	222	150	216	
78	67	218	151	285	223	151	217	
79	67	219	152	286	224	152	218	
80	70	227	157	297	234	157	227	
81	71	230	159	301	238	159	230	
82	72	233	161	305	242	161	233	
83	72	234	162	306	243	162		71
84	73	236	163	309	245	163	235	
85	73	237	164	310	246	164	236	
86	74	240	166	314	248	166	239	
87	74	241	167	315	249	167	240	
88	74	242	168	316	250	168	241	
89	76	247	171	323	256	171	246	
90	76	248	172	324	257	172		76
91	76	249	173	325	258	173	247	
92	77	252	175	329	262	175	251	
93	77	253	176	330	263	176		77
94	78	258	180	336	268	180		78
95	79	262	183	341	272	183	260	
96	79	263	184	342	273	184		80
97	79	264	185	343	274	185	261	
98	81	269	188	350	279	188		82
99	81	270	189	351	280	189	267	
100	81	271	190	352	281	190		83
101	82	274	192	356	284	192	270	
102	82	275	193	357	285	193	271	
103	82	276	194	358	286	194	272	
104	83	280	197	363	290	197	276	
105	85	287	202	372	298	202		89
106	86	292	206	378	303	206		90
107	87	294	207	381	305	207	288	
108	88	296	208	384	307	208		92
109	88	297	209	385	308	209	291	
110	90	302	212	392	314	212		94
111	90	303	213	393	315	213	297	
112	90	304	214	394	316	214	298	
113	91	307	216	398	319	216	301	
114	91	308	217	399	320	217	302	
115	91	309	218	400	321	218		96

```
        116    92    312    220    404    324    220    305
        117    92    313    221    405    325    221    306
        118    92    314    222    406    326    222    307
        119    94    319    225    413    332    225    313
        120    94    320    226    414    333    226           99
        121    94    321    227    415    334    227    314
        122    96    326    230    422    339    230    319
        123    96    327    231    423    340    231    320
        124    96    328    232    424    341    232    321
        125    97    331    234    428    345    234    324
        126    97    332    235    429    346    235    325
        127    98    334    236    432    348    236          103
        128    99    336    237    435    350    237    330
        129   100    340    240    440    354    240          105
        130   100    341    241    441    355    241    334
        131   100    342    242    442    356    242    335
        132   101    345    244    446    359    244    338
        133   101    346    245    447    360    245    339
        134   101    347    246    448    361    246          107
        135   102    351    249    453    365    249    343
        136   104    358    254    462    372    254          111
        137   105    363    258    468    376    258          113
        138   106    365    259    471    379    259    356
  -->   139   107    370    263    477    385    263    360
        ----------------------------------------------------------------
```

The Most Important Verse

Pattern 269a: The first verse in the Quran has 4 words:

        بِسْمِ ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
           6   6   4   3   Word letters
        6643 = 7×13×73
     where:

        #   C   V
        ----
        1   7   206
        2   13   43
        3   73   20

        Sum   93   269   =   Alphabet_Primes1 value of the word "Allah"

   Note 1: Letters per word of verse 1 = 7 times the Frequency_Linear value of chapter 1:
           بِسْمِ ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
            6   6   4   3
            6643 = 7 × 949
            Frequency_Linear value of chapter 1 = 949

Pattern 269b: 17 chapters end in letter "ا" with 269 words in their verses.

```
--------------------------
Squared Composite Chapters
--------------------------
```
Pattern 297:

C^2	C	V	DigitSum
4^2	16	128	11
6^2	36	83	11
8^2	64	18	9
9^2	81	29	11
10^2	100	11	2
Sum	297	269	44

Fermat's Theorem: A prime of the form 4n+1 can be written as the sum of two squares.
http://en.wikipedia.org/wiki/Fermat%27s_theorem_on_sums_of_two_squares

```
Note 1: 297  = C234      = 4×74 + 1      2, 3, 4 in ascending order.
        269              = 4×67 + 1      Alphabet_Primes1 value of the word "Allah".
         44              = 31   + 13
       31 and 13 are the only non-additive primes of chapter The Key that point to the
       31 repetitions of the most repeated verse in the Quran verse 13 of chapter 55.

Note 2: 269 + 44 = 313
        313 = 4×78+1
        where 313 is the number of prophets of whom only 25 named in the Quran
        thus  313 = Sum(1..25) - 12 = 325 - 12 (hidden 12th Imam AS),
        and   78 is the number of initial letters in the Quran.
```

```
-----------------------
Chapter 18 and 309 Years
-----------------------
```
Pattern 309:

وَلَبِثُوا فِى كَهْفِهِمْ ثَلَٰثَ مِائَةٍ سِنِينَ وَٱزْدَادُوا تِسْعًا   Quran 18:25

They dwelled in their cave three hundred years plus nine more.

```
N_Base2Initials
N               = any letter order
Base2Initials = if letter is an initial letter then 1, else 0)
-------------
Letter Value
-------------
  ا     1
  ب     0
  ت     0
  ث     0
  ج     0
  ح     1
  خ     0
  د     0
  ذ     0
  ر     1
  ز     0
  س     1
  ش     0
  ص     1
  ض     0
  ط     1
  ظ     0
  ع     1
  غ     0
  ف     0
  ق     1
  ك     1
  ل     1
  م     1
```

```
ن       1
ه       1
و       0
ي       1
-------------
```

Sum of binary initial values of first words of chapters 1 to 18 = 309

```
-------------------------------------------------------
Chapter Name            FirstWord    Binary      Decimal
-------------------------------------------------------
1      الفاتحة          بسم          110         6
2      البقرة           الم          111         7
3      آل عمران          الم          111         7
4      النساء           يايها        11111       31
5      المائدة          يايها        11111       31
6      الأنعام          الحمد        1111        15
7      الأعراف          المص         1111        15
8      الأنفال          يسءلونك      1101011     107
9      التوبة           براءه        10110       22
10     يونس             الر          111         7
11     هود              الر          111         7
12     يوسف             الر          111         7
13     الرعد            المر         1111        15
14     ابراهيم          الر          111         7
15     الحجر            الر          111         7
16     النحل            اتي          101         5
17     الإسراء          سبحن         1101        13
-------------------------------------------------------
Sum                                  100110101   309
-------------------------------------------------------
```

Pattern 319

Pattern 319a: Sum of chapter numbers - Sum of verses per chapter = 6555 - 6236 = 319

The first two pages of the Quran are much shorter than all other pages in the Quran:
The first two pages   = 12 verses = 319 letters (including the hamza of waBil-Aa'khira)
The third page starts with 7 verses = 319 letters (including the hamza of Al-Aa'khir)

Note 1: 319 = XC83 (83rd non-additive composite) where 114 = C83 (83rd composite).
        114 = C83 = AC53
        319 = C252 = XC83
        619 = P114 = XP53

Note 2: 319 = 11×29 could point to the pivot chapter (57 = 3×19)
         with its 29 verses and digit sum = 11.

Note 3: 319 = 11×29 could point to the 29 words of chapter 1 (The Key)
             with 29 having a digit sum = 11.

Note 4: 319 consists of the same digits of the 139 letters of chapter 1 (The Key).

Note 5: the 319th word (خَزَّقُوهُ) in chapter 29 with bismAllah = 319 in Alphabet_Primes1.

Note 6: the 319th word (خَزَّقُوهُ) in chapter 29 with bismAllah = 319 in Abjad_Gematria.

Note 7: There are 46 words in the Quran with a Abjad_Gematria value = 319
        spread across 28 chapters with chapter sum = 908 = 2×2×227

Note 8: 619^{114} = 319 digits
17895094176505620351005007198776163300180065879624630164518028602030000759743640157607777
43539459121670921820714043268507540283621253602198272994827559464127695600981086594257955
35054257268551708653359754512616749584613169384289614385458404554560615906068000981851197
85482215373477436582711642791709107594850288766177721

Note 9: 319^114 = 286 digits = number of verses of chapter 2
27048168827589754353857802820371913896169115891501231457674978816821888499711771548376309
15754921733057592857888548604811209058325065756421873417253581588695242331285235893674840
00825676816476187703735308226204350354711760301937098416128579238517877706789009017802742
90006770016625299 21

Note 10: Quran 3:19 ends with "Allah counts swiftly."
إِنَّ ٱلدِّينَ عِندَ ٱللَّهِ ٱلْإِسْلَٰمُ ۗ وَمَا ٱخْتَلَفَ ٱلَّذِينَ أُوتُوا ٱلْكِتَٰبَ إِلَّا مِنۢ بَعْدِ مَا جَآءَهُمُ ٱلْعِلْمُ بَغْيًۢا بَيْنَهُمْ ۗ
وَمَن يَكْفُرْ بِـَٔايَٰتِ ٱللَّهِ فَإِنَّ ٱللَّهَ سَرِيعُ ٱلْحِسَابِ
"Islam (Submission to the Will of God) is the only accepted form of religion (Law) with
Allah. Division among the people of the Book only began after receiving the new Knowledge
(Laws), and thus whoever denies Allah's signs/commandments must know that Allah counts
swiftly (Judge)."

Pattern 319b:
        There are only 5 chapters in the Quran with C+V = 114
        The sum of their chapter numbers = 319 and C×V is a multiple of 319.

        C   V   C+V   C×V
        ----
        15   99   114   1485
        39   75   114   2925
        70   44   114   3080
        88   26   114   2288
        107   7   114   749

    Sum 319   251   570   10527

  Note 1: 10527 = 33 × 319
        where 33 = AC12 = C21   [pattern 37a notes 3a 3b 3c]

  Note 2: 251 is the Alphabet_Primes1 value of the word "Ali" (as).

Pattern 319c:
        Verses in first 57 chapters = 5104
        Verses in last 57 chapters = 1132

        Difference   5104 - 1132 = 3972 = 331×12
        Difference of products   = 331-12 = 319

        Verses in first 57 chapters:

        #   C   V
        ----
        1   1   7
        2   2   286
        3   3   200
        4   4   176
        5   5   120
        6   6   165
        7   7   206
        8   8   75
        9   9   129
        10   10   109
        11   11   123
        12   12   111
        13   13   43
        14   14   52
        15   15   99
        16   16   128
        17   17   111
        18   18   110
        19   19   98
        20   20   135
        21   21   112
        22   22   78
        23   23   118
        24   24   64

```
25     25     77
26     26     227
27     27     93
28     28     88
29     29     69
30     30     60
31     31     34
32     32     30
33     33     73
34     34     54
35     35     45
36     36     83
37     37     182
38     38     88
39     39     75
40     40     85
41     41     54
42     42     53
43     43     89
44     44     59
45     45     37
46     46     35
47     47     38
48     48     29
49     49     18
50     50     45
51     51     60
52     52     49
53     53     62
54     54     55
55     55     78
56     56     96
57     57     29
---------------------
Sum    1653   5104
```

Verses in last 57 chapters:

```
---------------------
#      C      V
---------------------
1      58     22
2      59     24
3      60     13
4      61     14
5      62     11
6      63     11
7      64     18
8      65     12
9      66     12
10     67     30
11     68     52
12     69     52
13     70     44
14     71     28
15     72     28
16     73     20
17     74     56
18     75     40
19     76     31
20     77     50
21     78     40
22     79     46
23     80     42
24     81     29
25     82     19
26     83     36
27     84     25
28     85     22
29     86     17
30     87     19
```

```
31      88      26
32      89      30
33      90      20
34      91      15
35      92      21
36      93      11
37      94      8
38      95      8
39      96      19
40      97      5
41      98      8
42      99      8
43      100     11
44      101     11
45      102     8
46      103     3
47      104     9
48      105     5
49      106     4
50      107     7
51      108     3
52      109     6
53      110     3
54      111     5
55      112     4
56      113     5
57      114     6
---------------------
Sum     4902    1132
---------------------
```

Pattern 319d:

```
    Running Verses  Sum =  16×319 at chapter 57 The Iron [pattern 9a]
    Running Chapter Sum =  12×319 at chapter 87 The High [pattern 9b]
    --------------
    Chapter Verses
    --------------
    1       7
    2       286
    3       200
    4       176
    5       120
    6       165
    7       206
    8       75
    9       129
    10      109
    11      123
    12      111
    13      43
    14      52
    15      99
    16      128
    17      111
    18      110
    19      98
    20      135
    21      112
    22      78
    23      118
    24      64
    25      77
    26      227
    27      93
    28      88
    29      69
    30      60
    31      34
    32      30
    33      73
```

```
34      54
35      45
36      83
37      182
38      88
39      75
40      85
41      54
42      53
43      89
44      59
45      37
46      35
47      38
48      29
49      18
50      45
51      60
52      49
53      62
54      55
55      78
56      96
57      29 ------------
58      5104 = 319×16
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
        ---------------
  Sum 3828 = 319×12
        ---------------
```

Full table: http://heliwave.com/QuranFactors.xls

Pattern 319e:
        Sum of all duplicate C+V sums = 7906
        Sum of all unique   C+V sums = 4885
        Difference   7906 - 4885 = 3021 = 3×19×53
        where
        3×19 has the same digits and order of number 319
        and
        53 is the 16th prime number with 1653 = C×V of chapter 57 (The Iron).
                                        [pattern 8] [pattern 319d]

Pattern 319f:
        The first two pages of the Quran contain 12 verses with 319 letters
        (including the hamza of waBil-Aa'khira)

        There are 4 ranges of 12 verses with 319 letters in Simplified29 text mode.

        #   Chap   Verse Words Letters
        ----
        1   1   1   4   19
        2   1   2   4   17
        3   1   3   2   12
        4   1   4   3   11
        5   1   5   4   19
        6   1   6   3   18
        7   1   7   9   43
        8   2   1   5   22
        9   2   2   7   26
        10   2   3   8   46
        11   2   4   12   53
        12   2   5   8   33 --- 319 letters
        1   15   50   5   22
        2   15   51   4   17
        3   15   52   9   36
        4   15   53   7   27
        5   15   54   8   35
        6   15   55   7   30
        7   15   56   8   29
        8   15   57   5   23
        9   15   58   6   26
        10   15   59   6   25
        11   15   60   6   28
        12   15   61   5   21 --- 319 letters
        1   15   61   5   21
        2   15   62   4   16
        3   15   63   7   28
        4   15   64   4   21
        5   15   65   14   60
        6   15   66   9   40
        7   15   67   4   22
        8   15   68   6   23
        9   15   69   4   18
        10   15   70   5   22
        11   15   71   6   24
        12   15   72   5   24 --- 319 letters
        1   69   10   6   28
        2   69   11   7   29
        3   69   12   6   28
        4   69   13   6   22
        5   69   14   6   29
        6   69   15   3   17
        7   69   16   5   25
        8   69   17   9   42
        9   69   18   6   26
        10   69   19   9   40
        11   69   20   5   19
        12   69   21   4   14 --- 319 letters

        Sum   1205   1693   290   1276

   Note 1: Verse sum = 1693 = Quran words (77878) ÷ Human's Chromosomes (2×23)
           See http://heliwave.com/QuranDNA.zip
           Quran words = 77878 = 2×23×1693
           QuranDNA models a double helix of 23 rings with 1693 genes on each ring
           (one gene per Quran word).

Pattern 319g:
        The third page starts with 7 verses with 319 letters
        (including the hamza of Al-Aa'khir)

        There are 10 ranges of 7 verses with 319 letters in Simplified29 text mode.

```
-------------------------------
#     Chap  Verse  Words  Letters
-------------------------------
1      2      6     11     47
2      2      7     12     51
3      2      8     11     49
4      2      9     10     49
5      2     10     12     51
6      2     11     11     43
7      2     12      7     29 --- 319 letters
1     16     54     10     38
2     16     55      6     34
3     16     56     12     55
4     16     57      7     32
5     16     58      9     37
6     16     59     19     64
7     16     60     12     59 --- 319 letters
1     17     37     13     48
2     17     38      7     24
3     17     39     18     68
4     17     40     11     57
5     17     41     10     45
6     17     42     13     49
7     17     43      6     28 --- 319 letters
1     19     23     13     56
2     19     24     10     38
3     19     25      8     34
4     19     26     18     76
5     19     27     10     39
6     19     28     11     38
7     19     29     10     38 --- 319 letters
1     20    110     10     38
2     20    111      9     35
3     20    112     11     40
4     20    113     14     62
5     20    114     17     65
6     20    115     11     37
7     20    116      9     42 --- 319 letters
1     21     90     19     89
2     21     91     11     56
3     21     92      8     32
4     21     93      6     29
5     21     94     12     46
6     21     95      7     30
7     21     96     10     37 --- 319 letters
1     25     63     12     59
2     25     64      5     26
3     25     65     11     47
4     25     66      4     20
5     25     67     11     47
6     25     68     22     86
7     25     69      8     34 --- 319 letters
1     29     54      6     37
2     29     55     13     56
3     29     56      8     38
4     29     57      7     28
5     29     58     17     82
6     29     59      5     25
7     29     60     12     53 --- 319 letters
1     35     21      4     16
2     35     22     16     61
3     35     23      4     12
4     35     24     12     47
5     35     25     13     65
6     35     26      7     27
```

```
7       35      27      22      91 --- 319 letters
1       67      16      11      40
2       67      17      12      48
3       67      18      8       30
4       67      19      15      60
5       67      20      15      53
6       67      21      12      42
7       67      22      12      46 --- 319 letters
-----------------------------------
Sum     1757    3528    765     3190
-----------------------------------
```

Pattern 319h:
```
    Given:
      c     = number of chapters in the Quran      = 114
      v     = number of verses in the Quran        = 6236
      c_sum = Sum of chapter numbers in the Quran  = 1 + 2 + .... + 114 = 6555
      v_sum = Sum of verse   numbers in the Quran  = 1+2+3+4+5+6+7 +
                                                     1+2+3+4+5+..+286 +
                                                     1+2+3+4+5+..+200 +
                                                     ...
                                                     1+2+3+4+5+6
                                                     = 333667
    diff    = c_sum - v     = 6555 - 6236    = 319
    then
            v_sum ÷ c_sum = 333667 ÷ 6555  = 50 remainder 5917
    let
      r = 5917
    then
      v     - r    = diff
      6236 - 5917 = 319
```

  Note 1: Multiplying consecutive digits of 333667 = (3×3)+(3×3)+(3×6)+(6×6)+(6×7) = 114

  Note 2: Palindrome 12345678987654321 = 111111111×111111111 = 9×9×37×37×333667×333667

Pattern 319i:
```
    There are 3 consecutive chapters with 319 verses.
    ---------------------
    #     C       V
    ---------------------
    1     17      111
    2     18      110
    3     19      98
    ---------------------
    Sum   54      319
    ---------------------


    There are 6 consecutive chapters with 319 verses.
    ---------------------
    #     C       V
    ---------------------
    1     31      34
    2     32      30
    3     33      73
    4     34      54
    5     35      45
    6     36      83
    ---------------------
    Sum   201     319
    ---------------------
```

Pattern 319j:
      If the 114 verses-per-chapters are reversed (chapter 1 gets verses of chapter 114
      and chapter 2 gets verses of chapter 113, etc.),
      then the sum of Odd C-V = 319
      and the sum of Even C-V = 0

C	V	C-V	Odd	Even	Prime	Comp	Dupl	Unique
1	6	-5	-5	0	-5	0	-5	0
2	5	-3	-3	0	-3	0	-3	0
3	4	-1	-1	0	0	0	-1	0
4	5	-1	-1	0	0	0	-1	0
5	3	2	0	2	2	0	2	0
6	6	0	0	0	0	0	0	0
7	3	4	0	4	0	4	4	0
8	7	1	1	0	0	0	1	0
9	4	5	5	0	5	0	5	0
10	5	5	5	0	5	0	5	0
11	9	2	0	2	2	0	2	0
12	3	9	9	0	0	9	9	0
13	8	5	5	0	5	0	5	0
14	11	3	3	0	3	0	0	3
15	11	4	0	4	0	4	4	0
16	8	8	0	8	0	8	8	0
17	8	9	9	0	0	9	9	0
18	5	13	13	0	13	0	13	0
19	19	0	0	0	0	0	0	0
20	8	12	0	12	0	12	12	0
21	8	13	13	0	13	0	13	0
22	11	11	11	0	11	0	0	11
23	21	2	0	2	2	0	2	0
24	15	9	9	0	0	9	9	0
25	20	5	5	0	5	0	5	0
26	30	-4	0	-4	0	-4	-4	0
27	26	1	1	0	0	0	1	0
28	19	9	9	0	0	9	9	0
29	17	12	0	12	0	12	12	0
30	22	8	0	8	0	8	8	0
31	25	6	0	6	0	6	6	0
32	36	-4	0	-4	0	-4	-4	0
33	19	14	0	14	0	14	14	0
34	29	5	5	0	5	0	5	0
35	42	-7	-7	0	-7	0	0	-7
36	46	-10	0	-10	0	-10	-10	0
37	40	-3	-3	0	-3	0	-3	0
38	50	-12	0	-12	0	-12	0	-12
39	31	8	0	8	0	8	8	0
40	40	0	0	0	0	0	0	0
41	56	-15	-15	0	0	-15	0	-15
42	20	22	0	22	0	22	0	22
43	28	15	15	0	0	15	15	0
44	28	16	0	16	0	16	0	16
45	44	1	1	0	0	0	1	0
46	52	-6	0	-6	0	-6	0	-6
47	52	-5	-5	0	-5	0	-5	0
48	30	18	0	18	0	18	0	18
49	12	37	37	0	37	0	0	37
50	12	38	0	38	0	38	38	0
51	18	33	33	0	0	33	33	0
52	11	41	41	0	41	0	0	41
53	11	42	0	42	0	42	42	0
54	14	40	0	40	0	40	0	40
55	13	42	0	42	0	42	42	0
56	24	32	0	32	0	32	32	0
57	22	35	35	0	0	35	35	0
58	29	29	29	0	29	0	0	29
59	96	-37	-37	0	-37	0	0	-37
60	78	-18	0	-18	0	-18	-18	0
61	55	6	0	6	0	6	6	0

62	62	0	0	0	0	0	0
63	49	14	0	14	0	14	14	0
64	60	4	0	4	0	4	4	0
65	45	20	0	20	0	20	20	0
66	18	48	0	48	0	48	0	48
67	29	38	0	38	0	38	38	0
68	38	30	0	30	0	30	0	30
69	35	34	0	34	0	34	0	34
70	37	33	33	0	0	33	33	0
71	59	12	0	12	0	12	12	0
72	89	-17	-17	0	-17	0	0	-17
73	53	20	0	20	0	20	20	0
74	54	20	0	20	0	20	20	0
75	85	-10	0	-10	0	-10	-10	0
76	75	1	1	0	0	0	1	0
77	88	-11	-11	0	-11	0	0	-11
78	182	-104	0	-104	0	-104	0	-104
79	83	-4	0	-4	0	-4	-4	0
80	45	35	35	0	0	35	35	0
81	54	27	27	0	0	27	27	0
82	73	9	9	0	0	9	9	0
83	30	53	53	0	53	0	0	53
84	34	50	0	50	0	50	0	50
85	60	25	25	0	0	25	0	25
86	69	17	17	0	17	0	0	17
87	88	-1	-1	0	0	0	-1	0
88	93	-5	-5	0	-5	0	-5	0
89	227	-138	0	-138	0	-138	0	-138
90	77	13	13	0	13	0	13	0
91	64	27	27	0	0	27	27	0
92	118	-26	0	-26	0	-26	0	-26
93	78	15	15	0	0	15	15	0
94	112	-18	0	-18	0	-18	-18	0
95	135	-40	0	-40	0	-40	0	-40
96	98	-2	0	-2	-2	0	0	-2
97	110	-13	-13	0	-13	0	-13	0
98	111	-13	-13	0	-13	0	-13	0
99	128	-29	-29	0	-29	0	0	-29
100	99	1	1	0	0	0	1	0
101	52	49	49	0	0	49	0	49
102	43	59	59	0	59	0	0	59
103	111	-8	0	-8	0	-8	0	-8
104	123	-19	-19	0	-19	0	0	-19
105	109	-4	0	-4	0	-4	-4	0
106	129	-23	-23	0	-23	0	0	-23
107	75	32	0	32	0	32	32	0
108	206	-98	0	-98	0	-98	0	-98
109	165	-56	0	-56	0	-56	0	-56
110	120	-10	0	-10	0	-10	-10	0
111	176	-65	-65	0	0	-65	0	-65
112	200	-88	0	-88	0	-88	0	-88
113	286	-173	-173	0	-173	0	0	-173
114	7	107	107	0	107	0	0	107
---	---	---	---	---	---	---	---
Sum 6555	6236	319	319	0	62	255	604	-285

Note 1: Sum of duplicate C-V = 604 = Pages in the Quran.

Pattern 319k:
    Sum of divisors of the 114 verses-per-chapter numbers = 10716 = 94×114

    C   V   Factors   Sum   C+Sum
    ----
    1   7   7+1   8   9
    2   286   286+143+26+22+13+11+2+1   504   506
    3   200   200+100+50+40+25+20+10+8+5+4+2+1   465   468
    4   176   176+88+44+22+16+11+8+4+2+1   372   376
    5   120   120+60+40+30+24+20+15+12+10+8+6+5+4+3+2+1   360   365
    6   165   165+55+33+15+11+5+3+1   288   294
    7   206   206+103+2+1   312   319
    8   75   75+25+15+5+3+1   124   132
    9   129   129+43+3+1   176   185
    10   109   109+1   110   120
    11   123   123+41+3+1   168   179
    12   111   111+37+3+1   152   164
    13   43   43+1   44   57
    14   52   52+26+13+4+2+1   98   112
    15   99   99+33+11+9+3+1   156   171
    16   128   128+64+32+16+8+4+2+1   255   271
    17   111   111+37+3+1   152   169
    18   110   110+55+22+11+10+5+2+1   216   234
    19   98   98+49+14+7+2+1   171   190
    20   135   135+45+27+15+9+5+3+1   240   260
    21   112   112+56+28+16+14+8+7+4+2+1   248   269
    22   78   78+39+26+13+6+3+2+1   168   190
    23   118   118+59+2+1   180   203
    24   64   64+32+16+8+4+2+1   127   151
    25   77   77+11+7+1   96   121
    26   227   227+1   228   254
    27   93   93+31+3+1   128   155
    28   88   88+44+22+11+8+4+2+1   180   208
    29   69   69+23+3+1   96   125
    30   60   60+30+20+15+12+10+6+5+4+3+2+1   168   198
    31   34   34+17+2+1   54   85
    32   30   30+15+10+6+5+3+2+1   72   104
    33   73   73+1   74   107
    34   54   54+27+18+9+6+3+2+1   120   154
    35   45   45+15+9+5+3+1   78   113
    36   83   83+1   84   120
    37   182   182+91+26+14+13+7+2+1   336   373
    38   88   88+44+22+11+8+4+2+1   180   218
    39   75   75+25+15+5+3+1   124   163
    40   85   85+17+5+1   108   148
    41   54   54+27+18+9+6+3+2+1   120   161
    42   53   53+1   54   96
    43   89   89+1   90   133
    44   59   59+1   60   104
    45   37   37+1   38   83
    46   35   35+7+5+1   48   94
    47   38   38+19+2+1   60   107
    48   29   29+1   30   78
    49   18   18+9+6+3+2+1   39   88
    50   45   45+15+9+5+3+1   78   128
    51   60   60+30+20+15+12+10+6+5+4+3+2+1   168   219
    52   49   49+7+1   57   109
    53   62   62+31+2+1   96   149
    54   55   55+11+5+1   72   126
    55   78   78+39+26+13+6+3+2+1   168   223
    56   96   96+48+32+24+16+12+8+6+4+3+2+1   252   308
    57   29   29+1   30   87
    58   22   22+11+2+1   36   94
    59   24   24+12+8+6+4+3+2+1   60   119
    60   13   13+1   14   74
    61   14   14+7+2+1   24   85
    62   11   11+1   12   74
    63   11   11+1   12   75
    64   18   18+9+6+3+2+1   39   103
    65   12   12+6+4+3+2+1   28   93

```
66    12    12+6+4+3+2+1                          28     94
67    30    30+15+10+6+5+3+2+1                    72     139
68    52    52+26+13+4+2+1                        98     166
69    52    52+26+13+4+2+1                        98     167
70    44    44+22+11+4+2+1                        84     154
71    28    28+14+7+4+2+1                         56     127
72    28    28+14+7+4+2+1                         56     128
73    20    20+10+5+4+2+1                         42     115
74    56    56+28+14+8+7+4+2+1                    120    194
75    40    40+20+10+8+5+4+2+1                    90     165
76    31    31+1                                  32     108
77    50    50+25+10+5+2+1                        93     170
78    40    40+20+10+8+5+4+2+1                    90     168
79    46    46+23+2+1                             72     151
80    42    42+21+14+7+6+3+2+1                    96     176
81    29    29+1                                  30     111
82    19    19+1                                  20     102
83    36    36+18+12+9+6+4+3+2+1                  91     174
84    25    25+5+1                                31     115
85    22    22+11+2+1                             36     121
86    17    17+1                                  18     104
87    19    19+1                                  20     107
88    26    26+13+2+1                             42     130
89    30    30+15+10+6+5+3+2+1                    72     161
90    20    20+10+5+4+2+1                         42     132
91    15    15+5+3+1                              24     115
92    21    21+7+3+1                              32     124
93    11    11+1                                  12     105
94    8     8+4+2+1                               15     109
95    8     8+4+2+1                               15     110
96    19    19+1                                  20     116
97    5     5+1                                   6      103
98    8     8+4+2+1                               15     113
99    8     8+4+2+1                               15     114
100   11    11+1                                  12     112
101   11    11+1                                  12     113
102   8     8+4+2+1                               15     117
103   3     3+1                                   4      107
104   9     9+3+1                                 13     117
105   5     5+1                                   6      111
106   4     4+2+1                                 7      113
107   7     7+1                                   8      115
108   3     3+1                                   4      112
109   6     6+3+2+1                               12     121
110   3     3+1                                   4      114
111   5     5+1                                   6      117
112   4     4+2+1                                 7      119
113   5     5+1                                   6      119
114   6     6+3+2+1                               12     126
--------------------------------------------------------------------------
Sum   6555  6236                                 10716  17271
--------------------------------------------------------------------------
                                                 94×114 Palindrome
```

319 is the 94th semi-prime with two distinct prime factors:

```
      ---------------------------
      #    N    Factors
      ---------------------------
      1    6    2    3
      2    10   2    5
      3    14   2    7
      4    15   3    5
      5    21   3    7
      6    22   2    11
      7    26   2    13
      8    33   3    11
      9    34   2    17
      10   35   5    7
      11   38   2    19
      12   39   3    13
```

13	46	2	23
14	51	3	17
15	55	5	11
16	57	3	19
17	58	2	29
18	62	2	31
19	65	5	13
20	69	3	23
21	74	2	37
22	77	7	11
23	82	2	41
24	85	5	17
25	86	2	43
26	87	3	29
27	91	7	13
28	93	3	31
29	94	2	47
30	95	5	19
31	106	2	53
32	111	3	37
33	115	5	23
34	118	2	59
35	119	7	17
36	122	2	61
37	123	3	41
38	129	3	43
39	133	7	19
40	134	2	67
41	141	3	47
42	142	2	71
43	143	11	13
44	145	5	29
45	146	2	73
46	155	5	31
47	158	2	79
48	159	3	53
49	161	7	23
50	166	2	83
51	177	3	59
52	178	2	89
53	183	3	61
54	185	5	37
55	187	11	17
56	194	2	97
57	201	3	67
58	202	2	101
59	203	7	29
60	205	5	41
61	206	2	103
62	209	11	19
63	213	3	71
64	214	2	107
65	215	5	43
66	217	7	31
67	218	2	109
68	219	3	73
69	221	13	17
70	226	2	113
71	235	5	47
72	237	3	79
73	247	13	19
74	249	3	83
75	253	11	23
76	254	2	127
77	259	7	37
78	262	2	131
79	265	5	53
80	267	3	89
81	274	2	137
82	278	2	139

```
83     287    7      41
84     291    3      97
85     295    5      59
86     298    2      149
87     299    13     23
88     301    7      43
89     302    2      151
90     303    3      101
91     305    5      61
92     309    3      103
93     314    2      157
94     319    11     29
----------------------------
```

Sum of prime factors of verses-per-chapter = 10716 = 2×2×3×19×47 = 94×114 where
319 is the 94th semi-prime with two distinct prime factors.

Note 1: The 319th sphenic number (three distinct prime factors) is 2091
           where
           2091 = 1229th additive composite
                1229 = 94th non-additive prime

Using http://heliwave.com/Composites.zip
How many factors-per-number to find?   3
Duplicate factors, unique, or any (d/u/a)? u
Maximum number to factor?   6236

```
------------------------------------------------------------
#     N     C     AC     XC     Factors
------------------------------------------------------------
---> 319   2091  1774  1229            3    17     41
------------------------------------------------------------
```

Squared Prime Chapters

Pattern 449a:

```
--------------------------------
P^2    C     V      DigitSum
--------------------------------
2^2    4     176    14
3^2    9     129    12
5^2    25    77     14
7^2    49    18     9
--------------------------------
Sum    87    400    49
--------------------------------
          Square1     Square2
```

Note 1: Square1 + Square2 = 400 + 49 = 449
          and the chapter sum   87   [pattern 9b]
          where   449 = P87

Note 2: Squared digits: 4^2 + 4^2 + 9^2 = 8^2 + 7^2

Note 3: C114 = 150 = AC73   [114 chapters]
                   AP73 = P139   [139 letters in The Key]
                        139 = P34
                           C34 = 50
                              AP50 = 449

Pattern 449b:
   Fermat's Theorem: A prime of the form 4n+1 can be written as the sum of two squares.
   http://en.wikipedia.org/wiki/Fermat%27s_theorem_on_sums_of_two_squares

          Square1 + Square2   = 400 + 49 = 449 = 4n+1 prime = 4×112 + 1
          Digit sums   =   4 + 13 = 17 = 4n+1 prime = 4× 4 + 1

Note 1: 112 is the number of chapters in the Quran with BismAllah prefixes.
        Chapter 112 is Oneness of God and has 4 verses.

Note 2: The first Quran's {chapter, verses, words, letters quadruple} = { 1, 1, 4, 19 }
        where the sum   = 1 + 1 + 4 + 19 = 25
        and sum of digit sums = 1 + 1 + 4 + 10 = 16
        and sum of sums   = 25 + 16   = 41 = 4n+1 prim = 4×10+1
        where BismAllah is chapter 1 verse 1, 4 words, 19 letters, 10 unique letters.

Note 3: 449 is the smallest prime whose digits are squares (2^2 2^2 3^2)

Note 4: 449 is the smallest prime number that can be constructed by
        concatenating two prime squares (2^2 and 7^2)

Note 5: 449 is the sum of five consecutive primes (79 + 83 + 89 + 97 + 101)

Note 6: There are 109 chapters excluding chapters 79 + 83 + 89 + 97 + 101 where
        109 letters in the first 7 verses of the Quran are verse   1 letters.
        109 letters in the last 7 verses of the Quran are chapter 1 letters.
        109 = 4n+1 prime =   4×27+1
        449 = 20^2 + 7^2 with 20+7 = 27

Note 7: Verse 27:93 is verse 3252 in the Quran and 3252 = C2793
        وَقُلِ ٱلْحَمْدُ لِلَّهِ سَيُرِيكُمْ ءَايَـٰتِهِۦ فَتَعْرِفُونَهَا ۚ وَمَا رَبُّكَ بِغَـٰفِلٍ عَمَّا تَعْمَلُونَ
        27:93 And say, 'All praise belongs to Allah.
              Soon He will show you His signs, and you will recognize them.'
              Your Lord is not oblivious of what you do.

Note 8: Chapter 27 which has 93 verses starts with the initial letters: ط س
        where ط is repeated 27 times in the chapter,
          and س is repeated 93 times in the chapter.
        [excluding BismAllah in Simplified28]

Pattern 449c: There is one 4-chapter group in the Quran with chapter number sum = 449

```
        --------------------
        C     V     Sum
        --------------------
        110   3     113
        112   4     116
        113   5     118
        114   6     120
        --------------------
Sum     449   18    467
        --------------------
        P87         P91        [pattern 9b, pattern 91]
        AP50        AP53       [pattern 9a]
         C50 = XC18
```

```
------------
Twin Numbers
------------
```

Pattern 506a: 114 and 506 act like as twin numbers:

```
        114 ÷ 2 = 57
        median(1..57) = 29
        57 × 29 = 1653          where P16 = 53        [pattern 8]


        506 ÷ 2 = 253
        median(1..253) = 127
        253 × 127 = 32131       where P32 = 131


        P114        = 619
        114 + 506 = 620
        C506        = 621


        XC114 + AC114 - C114  =  506
          436 +   220 -  150  =  506


        XC506 - AC506 - C506 = XC114
        1943  - 886   - 621  = 436


        P114 + AP114 + XP114 = 619 + 1297 + 1571 = 3487 = 2D975
        Sum of digit sums of numbers from 1 to 114        =   975


        XC506                 = 1943                      = 2D561
        Sum of digital roots of numbers from 1 to 114   =   561


        XP506      = P1000
        P621       = AP319


        Only 114 and 506 have such properties for index|prime concatenation. However,
        allowing for non-integers, we have infinite triangular numbers as index|prime:


        796 ÷ 2                = 398
        median(1..398)         = 199.5              non-integer
        398 × 199.5            = 79401              where P79 = 401


        37238756 ÷ 2           = 18619378
        median(1..18619378)   = 9309689.5           non-integer
        18619378 × 9309689.5 = 173340627863131   where P1733406 = 27863131
```

  Note 1:
  16 prime numbers with prime digit sums up to 114:
  2, 3, 5, 7, 11, 23, 29, 41, 43, 47, 61, 67, 83, 89, 101, 113.

  53 composite numbers with composite digit sums up to 114:
  4, 6, 8, 9, 15, 18, 22, 24, 26, 27, 28, 33, 35, 36, 39, 40, 42, 44, 45, 46, 48, 51,
  54, 55, 57, 60, 62, 63, 64, 66, 68, 69, 72, 75, 77, 78, 80, 81, 82, 84, 86, 87, 88,
  90, 91, 93, 95, 96, 99, 105, 108, 112, 114.

  42 prime numbers with non-prime digit sums up to 506:
  13, 17, 19, 31, 37, 53, 59, 71, 73, 79, 97, 103, 107, 109, 127, 149, 163, 167, 181,
  211, 233, 239, 251, 257, 271, 277, 293, 307, 347, 349, 367, 383, 389, 419, 431,
  433, 439, 457, 479, 491, 499, 503.
  ```
        32 non-additive primes with a digit sum != 10
        10 non-additive primes with a digit sum  = 10
        19 + 37 + 73 + 109 + 127 + 163 + 181 + 271 + 307 + 433 = 1720
        Sum of the first 31 prime numbers from 2 to 127        = 1720
  ```

  131 composite numbers with non-composite digit sums up to 506:
  10, 12, 14, 16, 20, 21, 25, 30, 32, 34, 38, 49, 50, 52, 56, 58, 65, 70, 74, 76, 85,
  92, 94, 98, 100, 102, 104, 106, 110, 111, 115, 119, 120, 122, 124, 128, 133, 140,
  142, 146, 148, 155, 160, 164, 166, 175, 182, 184, 188, 200, 201, 203, 205, 209,
  210, 212, 214, 218, 221, 230, 232, 236, 238, 245, 247, 250, 254, 256, 265, 272,
  274, 278, 287, 289, 290, 292, 296, 298, 300, 302, 304, 308, 319, 320, 322, 326,
  328, 335, 340, 344, 346, 355, 362, 364, 368, 371, 377, 380, 382, 386, 388, 391,
  395, 403, 407, 410, 412, 416, 418, 425, 427, 430, 434, 436, 445, 452, 454, 458,
  469, 470, 472, 476, 478, 481, 485, 490, 494, 496, 500, 502, 506.

Note 2:
     QuranCode research method P_PivotConsecutiveVerses
     in Abjad_Gematria without bismAllah with pivot = 16
     produces all verses of chapter 112 in reverse order.

```
------------------------------------
M       N       M×N     P       MN+P
------------------------------------
1       31      31      2       33
2       30      60      3       63
3       29      87      5       92
4       28      112     7       119
5       27      135     11      146
6       26      156     13      169
7       25      175     17      192
8       24      192     19      211
9       23      207     23      230
10      22      220     29      249     قل هو الله احد = 220
11      21      231     31      262     الله الصمد = 231
12      20      240     37      277     لم يلد ولم يولد = 240
13      19      247     41      288
14      18      252     43      295
15      17      255     47      302
16      16      256     53      309     [pattern 8]
17      15      255     59      314
18      14      252     61      313
19      13      247     67      314
20      12      240     71      311     لم يلد ولم يولد  311 = ولم يكن له كفوا احد = 240
21      11      231     73      304     الله الصمد = 231
22      10      220     79      299     قل هو الله احد = 220
23      9       207     83      290
24      8       192     89      281
25      7       175     97      272
26      6       156     101     257
27      5       135     103     238
28      4       112     107     219
29      3       87      109     196
30      2       60      113     173
31      1       31      127     158
------------------------------------
Sum  496     496     5456    1720    7176
------------------------------------
```

     where 496 is the 3rd perfect number
        [sum of proper divisors = 1+2+4+8+16+31+62+124+248 = 496]
     and 1720 = sum of the 10 non-additive primes up to 506 with digit sum = 10
        1720 = 19 + 37 + 73 + 109 + 127 + 163 + 181 + 271 + 307 + 433

Note 3:
     Sum points to 506 + AC114 sum via verses per chapter:
     506 + 114 = 620 =   2 ×   2 ×   5 × 31
     Chapter verses: 286 + 286 + 120 + 34 = 726 = 506 + 220 = 506 + AC114

     Double sum points to double 506 via verses per chapter:
     2 × 620 = 1240 =   2 ×   2 ×   2 ×   5 × 31
     Chapter verses: 286 + 286 + 286 + 120 + 34 = 2×506

Note 4:
     Difference is divisible by double seven (2×7):   [pattern 21b note 1]
     506 - 114 = 392 = 2×2×2×7×7

     Concatenations are divisible by double seven (2×7):   [pattern 21b note 1]
     R2L: 506114   = 2×7×36151
     L2R: 114506   = 2×7× 8179

Note 5:
     Chapters in the Quran   = Letters in the last 7 verses of the Quran = 114
     Letters in chapter The Key = Letters in the first 7 verses of the Quran = 139
     506 ÷ 2 = 253 = 114 + 139

```
Note 6:
     There are 30 primes up to 114
     C19 = 30 and  P19 = 67
     30  + 67 = 97 is 4n+1 prime          [pattern 449b]

     There are 96 primes up to 506
     C71 =  96 and  P71 = 353
     96  + 353 = 449 is 4n+1 prime        [pattern 449b]

Note 7:
     Sum of numbers                 from 1 to 114 = 6555
     Sum of digit sums of numbers from 1 to 506 = 5556

Pattern 506b:
     There are 8 prime sums of three consecutive primes     up to 114. Their sum = 514
     There are 8 prime sums of three consecutive composites up to 114. Their sum = 514
     where 514 - 8 = 506
     and   514 = AC283 where 283 is the largest prime verse in chapter 2

     Sums of three consecutive primes:
     ----------------------------------------------------------
     #      P1     P2     P3     Sum     Prime  Composite
     ----------------------------------------------------------
     1      2      3      5      10              10
     2      3      5      7      15              15
     3      5      7      11     23      23
     4      7      11     13     31      31
     5      11     13     17     41      41
     6      13     17     19     49              49
     7      17     19     23     59      59
     8      19     23     29     71      71
     9      23     29     31     83      83
     10     29     31     37     97      97
     11     31     37     41     109     109
     ----------------------------------------------------------
     Sum    160    195    233    588     514    74
     ----------------------------------------------------------

     Sums of three consecutive composites:
     ----------------------------------------------------------
     #      C1     C2     C3     Sum     Prime  Composite
     ----------------------------------------------------------
     1      4      6      8      18              18
     2      6      8      9      23      23
     3      8      9      10     27              27
     4      9      10     12     31      31
     5      10     12     14     36              36
     6      12     14     15     41      41
     7      14     15     16     45              45
     8      15     16     18     49              49
     9      16     18     20     54              54
     10     18     20     21     59      59
     11     20     21     22     63              63
     12     21     22     24     67      67
     13     22     24     25     71      71
     14     24     25     26     75              75
     15     25     26     27     78              78
     16     26     27     28     81              81
     17     27     28     30     85              85
     18     28     30     32     90              90
     19     30     32     33     95              95
     20     32     33     34     99              99
     21     33     34     35     102             102
     22     34     35     36     105             105
     23     35     36     38     109     109
     24     36     38     39     113     113
     ----------------------------------------------------------
     Sum    505    539    572    1616    514    1102
     ----------------------------------------------------------
```

```
Sums of 3 Consecutive Primes as Chapters:
------------------------------
#       Name            C       V
------------------------------
1       يـونـس          10      109
2       الـحـجر         15      99
3       الـمؤمـنـون     23      118
4       لـقـمـان        31      34
5       فصلت            41      54
6       الـحجرات        49      18
7       الـحشر          59      24
8       نـوح            71      28
9       الـمطففـين      83      36
10      الـقـدر         97      5
11      الـكافـرون      109     6
-----------------------------Sum----Diff
Sum                     588     531    1119   57
------------------------------------------
```

Note 1: First sum is 10 and last sum 109 where chapter 10 has 109 verses.

```
Prime Sums of 3 Consecutive Primes as Chapters:
------------------------------
#       Name            C       V
------------------------------
1       الـمؤمـنـون     23      118
2       لـقـمـان        31      34
3       فصلت            41      54
4       الـحشر          59      24
5       نـوح            71      28
6       الـمطففـين      83      36
7       الـقـدر         97      5
8       الـكافـرون      109     6
-----------------------------Sum----Diff
Sum                     514     305    819    209
------------------------------------------
```

Note 2: 819 may point to P8 = 19

```
Composite Sums of 3 Consecutive Primes as Chapters:
------------------------------
#       Name            C       V
------------------------------
1       يـونـس          10      109
2       الـحـجر         15      99
3       الـحجرات        49      18
-----------------------------Sum----Diff
Sum                     74      226    300    192
------------------------------------------
```

```
Sums of 3 Consecutive Composites as Chapters:
------------------------------
#       Name            C       V
------------------------------
1       الـكهف          18      110
2       الـمؤمـنـون     23      118
3       الـنمل          27      93
4       لـقـمـان        31      34
5       يـس             36      83
6       فصلت            41      54
7       الـجاثـية       45      37
8       الـحجرات        49      18
9       الـقـمر         54      55
10      الـحشر          59      24
11      الـمنافـقـون    63      11
12      الـملك          67      30
13      نـوح            71      28
14      القـيـامة       75      40
15      النـبإ          78      40
16      الـتكويـر       81      29
17      البـروج         85      22
```

```
18       البلد          90    20
19       التين          95    8
20       الزلزلة        99    8
21       التكاثر       102    8
22       الفيل         105    5
23       الكافرون      109    6
24       الفلق         113    5
----------------------------------Sum----Diff
Sum                   1616   886   2502   730
```

Prime Sums of 3 Consecutive Composites as Chapters:
```
----------------------------
#        Name           C     V
----------------------------
1        المؤمنون       23    118
2        لقمان          31    34
3        فصلت           41    54
4        الحشر          59    24
5        الملك          67    30
6        نوح            71    28
7        الكافرون      109    6
8        الفلق         113    5
----------------------------------Sum----Diff
Sum                    514   299   813    215
```

Composite Sums of 3 Consecutive Composites as Chapters:
```
----------------------------
#        Name           C     V
----------------------------
1        الكهف          18    110
2        النمل          27    93
3        يس             36    83
4        الجاثية        45    37
5        الحجرات        49    18
6        القمر          54    55
7        المنافقون      63    11
8        القيامة        75    40
9        النبإ          78    40
10       التكوير        81    29
11       البروج         85    22
12       البلد          90    20
13       التين          95    8
14       الزلزلة        99    8
15       التكاثر       102    8
16       الفيل         105    5
----------------------------------Sum----Diff
Sum                   1102   587   1689   515
```

```
Pattern 506c:
قرءان كريم in Simplified29_Alphabet_Primes1          =  506
قرءان كريم in Simplified28_Abjad_Gematria      = 621 = C506
قرءان كريم in Simplified29_Alphabet_AdditivePrimes1 = بسم الله الرحمن الرحيم in
Simplified29_Alphabet_Primes1 = 1034 where 1034 = 260th 3-dimensional number and the
                                        260th prime = 139th additive prime.


الله in Simplified29_Alphabet_AdditivePrimes1                   = 557
ٱللَّهُمَّ صَلِّ عَلَىٰ مُحَمَّدٍ وَءَال مُحَمَّدٍ in Simplified28_Abjad_Gematria = 557
المطهرون in Simplified29_Alphabet_Primes1                       = 557


557 is a Fermat's Prime of the form 4*(n)  + 1 =  a^2 +  b^2
557                              = 4(139) + 1 = 19^2 + 14^2
where           (الفاتحة) The Key =   139 letters.
```

The Straight Path

Pattern 561: The Straight Path is the 12 Imams of Islam (peace be upon them)
الـصراط الـمستقـيم هم الأئـمة الإثـنـا عشر علـيهم الـسلام

Note 1: Quran 1:6   أَهْدِنَا ٱلصِّرَٰطَ ٱلْمُسْتَقِيمَ
          Word frequency: 5   6   1

    Verse 561 in the Quran: وَلَـهَدَيْـنَٰهُمْ صِرَٰطًا مُّسْتَقِيمًا

Note 2: Quran 1:6 has 5 verses before it and 1 verse after it in its chapter [-----6-].

Note 3: Quran 1:6 is the only verse in its chapter that produces a whole number when
       (V×W×L) ÷ (V+W+L) = 12:

       Address   Verse Words Letters   V+W+L V×W×L (V×W×L)÷(V+W+L)   Text
       ----
       Quran 1:1   1   4   19   24   76   3.166666667   بِسْمِ ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
       Quran 1:2   2   4   17   23   136   5.913043478   ٱلْحَمْدُ لِلَّهِ رَبِّ ٱلْعَٰلَمِينَ
       Quran 1:3   3   2   12   17   72   4.235294118   ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
       Quran 1:4   4   3   11   18   132   7.333333333   مَٰلِكِ يَوْمِ ٱلدِّينِ
       Quran 1:5   5   4   19   28   380   13.57142857   إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ
       Quran 1:6   6   3   18   27   324   12.00000000   أَهْدِنَا ٱلصِّرَٰطَ ٱلْمُسْتَقِيمَ
       Quran 1:7   7   9   43   59   2709   45.91525424   صِرَٰطَ ٱلَّذِينَ أَنْعَمْتَ عَلَيْهِمْ

Note 4a: The Quran has 114 chapters.
Sum of digital roots of all numbers from 1 to 114 = 561
1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+9
+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6+7+8+
9+1+2+3+4+5+6+7+8+9+1+2+3+4+5+6

Note 4b: Sum of digit sums of all numbers from 1 to 114 = 975 = C810 = AC561
1+2+3+4+5+6+7+8+9+1+0+1+1+1+2+1+3+1+4+1+5+1+6+1+7+1+8+1+9+2+0+2+1+2+2+2+3+2+4+2+5+2+6+2+7
+2+8+2+9+3+0+3+1+3+2+3+3+3+4+3+5+3+6+3+7+3+8+3+9+4+0+4+1+4+2+4+3+4+4+4+5+4+6+4+7+4+8+4+9+
5+0+5+1+5+2+5+3+5+4+5+5+5+6+5+7+5+8+5+9+6+0+6+1+6+2+6+3+6+4+6+5+6+6+6+7+6+8+6+9+7+0+7+1+7
+2+7+3+7+4+7+5+7+6+7+7+7+8+7+9+8+0+8+1+8+2+8+3+8+4+8+5+8+6+8+7+8+8+8+9+9+0+9+1+9+2+9+3+9+
4+9+5+9+6+9+7+9+8+9+9+1+0+0+1+0+1+1+0+2+1+0+3+1+0+4+1+0+5+1+0+6+1+0+7+1+0+8+1+0+9+1+1+0+1
+1+1+1+1+2+1+1+3+1+1+4

975 = C810 or the 810th composite number.
975 = AC561 or the 561st composite number with a composite digit sum.

561 = Sum of Alphabet_Primes values of letters used in Quran 1:1 بسم الله الرحمن الرحيم
      (In the Name of Allah, the merciful everywhere, the merciful everywhen.)

      #   Letter Alphabet_Primes
      ----
      1   ب   3
      2   س   37
      3   م   89
      4   ا   2
      5   ل   83
      6   ه   101
      7   ر   29
      8   ح   13
      9   ن   97
      10   ي   107

      Sum   561   where AC561 = 975
      ----

810 = Sum of Alphabet_Primes values of letters unused in Quran 1:1 بسم الله الرحمن الرحيم
      (In the Name of Allah, the merciful everywhere, the merciful everywhen.)

      #   Letter Alphabet_Primes
      ----
      1   ت   5
      2   ث   7
      3   ج   11

```
 4       خ        17
 5       د        19
 6       ذ        23
 7       ز        31
 8       ش        41
 9       ص        43
10       ض        47
11       ط        53
12       ظ        59
13       ع        61
14       غ        67
15       ف        71
16       ق        73
17       ك        79
18       و       103
------------------------------
Sum             810            where C810 = 975
------------------------------
```

This is a proof of completeness of the Primalogy System discovered by Ali Adams in 2008.
The correctness of the Primalogy system has already been proven in
http://heliwave.com/Primalogy.pdf

Furthermore, using Simplified29 system:
811 = Sum of Alphabet_Primes1 values of letters unused in Quran 1:1 بسم الله الرحمن الرحيم
(In the Name of Allah, the merciful everywhere, the merciful everywhen.)

```
------------------------------
 #       Letter Alphabet_Primes1
------------------------------
 1       ء          1
 2       ت          5
 3       ث          7
 4       ج         11
 5       خ         17
 6       د         19
 7       ذ         23
 8       ز         31
 9       ش         41
10       ص         43
11       ض         47
12       ط         53
13       ظ         59
14       ع         61
15       غ         67
16       ف         71
17       ق         73
18       ك         79
19       و        103
------------------------------
190     Sum      811
------------------------------
```

where there are 811 verses with prime sequence.   [pattern 114c]
and the DF811 = AC619 = AP114 - AC114   [pattern 114c note 1]

Note 5: The sum of Simplified29_Alphabet_Composites values of letters used
in chapter (الفاتحة) The Key = 561

```
----------------------------------
 #       Letter Alphabet_Composites
----------------------------------
 1       ب          8
 2       س         22
 3       م         38
 4       ا          6
 5       ل         36
 6       ه         40
 7       ر         20
 8       ح         14
 9       ن         39
10       ي         44
11       د         16
```

```
12      ع      30
13      ك      35
14      و      42
15      ت      9
16      ص      25
17      ط      27
18      ق      34
19      ذ      18
20      غ      32
21      ض      26
----------------------------------
Sum            561
----------------------------------
```

Note 6a: The 561st 4n-1 composite number = 3143 = 4×786-1 where
       786 = Abjad_Gematria value of Quran 1:1 بسم الله الرحمن الرحيم
       (In the Name of Allah, the merciful everywhere, the merciful everywhen.)

Note 6b: The word "الله" (Allah) has a right-to-left concatenation of the digit sums of the
       Abjad_Gematria values = 975th 4n-1 composite number:
```
--------------------------------
Letter Abjad_Gematria    DigitSum
--------------------------------
ا       1                1
ل       30               3
ل       30               3
ه       5                5
--------------------------------
R2L Concatenation   5331   = 975th 4n-1 composite number
--------------------------------
```

Note 7: The word "محمد" (Muhammed) has and Abjad_Gematria value of 92 where
       561 = 92nd 4n+1 composite number:
```
--------------------
Letter Abjad_Gematria
--------------------
م       40
ح       8
م       40
د       4
--------------------
Sum     92              92nd 4n+1 composite number = 561
--------------------
```

Note 8: The first names of the 12 Imams of Islam are:
       علي حسن حسين علي محمد جعفر موسى علي محمد علي حسن محمد
       Ali, Hasan, Husein, Ali, Muhammed, Jafar, Musa, Ali, Muhammed, Ali, Hasan, Muhammed.

561 = Sum of Abjad_Gematria values of letters USED in the first names of the 12 Imams:
```
------------------------------
#       Letter Abjad_Gematria
------------------------------
1       ع      70
2       ل      30
3       ي      10
4       ح      8
5       س      60
6       ن      50
7       م      40
8       د      4
9       ج      3
10      ف      80
11      ر      200
12      و      6
------------------------------
Sum            561
------------------------------
```

Note 9: 561 = Sum(1..33) where
Quran 33:33 is the purification verse of Muhammed and his progeny (peace be upon them).
Quran 33:33 is split perfectly across golden ratio boundaries into two sentences.

وَقَرْنَ فِى بُيُوتِكُنَّ وَلَا تَبَرَّجْنَ تَبَرُّجَ ٱلْجَٰهِلِيَّةِ ٱلْأُولَىٰ وَأَقِمْنَ ٱلصَّلَوٰةَ وَءَاتِينَ ٱلزَّكَوٰةَ وَأَطِعْنَ ٱللَّهَ وَرَسُولَهُۥ إِنَّمَا يُرِيدُ ٱللَّهُ لِيُذْهِبَ عَنكُمُ ٱلرِّجْسَ أَهْلَ ٱلْبَيْتِ وَيُطَهِّرَكُمْ تَطْهِيرًا

"Stay in your houses and do not flaunt your finery like the former [days of pagan]
ignorance. Maintain the prayer and pay the zakat, and obey Allah and His Messenger.
Indeed Allah desires to repel all impurity from you, O People of the Household, and
purify you with a thorough purification."

Note 10: There are 5 Imams + 6 Imam + 1 Im'm = 12 Imams of Islam:
        5 occurrences of the word Imams (أَئِمة) in the Quran.
        6 occurrences of the word Imam (إِمام) in the Quran.
        1 occurrence of the word Im'm (إِمْم) in the Quran.

5 occurrences of the word Imams (أَئِمة) in the Quran.
وَإِن نَّكَثُوٓا۟ أَيْمَٰنَهُم مِّنۢ بَعْدِ عَهْدِهِمْ وَطَعَنُوا۟ فِى دِينِكُمْ فَقَٰتِلُوٓا۟ أَئِمَّةَ ٱلْكُفْرِ إِنَّهُمْ لَآ أَيْمَٰنَ لَهُمْ   ٩_١٢
لَعَلَّهُمْ يَنتَهُونَ
وَجَعَلْنَٰهُمْ أَئِمَّةً يَهْدُونَ بِأَمْرِنَا وَأَوْحَيْنَآ إِلَيْهِمْ فِعْلَ ٱلْخَيْرَٰتِ وَإِقَامَ ٱلصَّلَوٰةِ وَإِيتَآءَ ٱلزَّكَوٰةِ   ٢١_٧٣
وَكَانُوا۟ لَنَا عَٰبِدِينَ
وَنُرِيدُ أَن نَّمُنَّ عَلَى ٱلَّذِينَ ٱسْتُضْعِفُوا۟ فِى ٱلْأَرْضِ وَنَجْعَلَهُمْ أَئِمَّةً وَنَجْعَلَهُمُ ٱلْوَٰرِثِينَ   ٢٨_٥
وَجَعَلْنَٰهُمْ أَئِمَّةً يَدْعُونَ إِلَى ٱلنَّارِ وَيَوْمَ ٱلْقِيَٰمَةِ لَا يُنصَرُونَ   ٢٨_٤١
وَجَعَلْنَا مِنْهُمْ أَئِمَّةً يَهْدُونَ بِأَمْرِنَا لَمَّا صَبَرُوا۟ وَكَانُوا۟ بِـَٔايَٰتِنَا يُوقِنُونَ   ٢٤_٣٢

6 occurrences of the word Imam (إِمام) in the Quran.
۞ وَإِذِ ٱبْتَلَىٰٓ إِبْرَٰهِۦمَ رَبُّهُۥ بِكَلِمَٰتٍ فَأَتَمَّهُنَّ قَالَ إِنِّى جَاعِلُكَ لِلنَّاسِ إِمَامًا قَالَ وَمِن ذُرِّيَّتِى قَالَ   ١٢٤_٢
لَا يَنَالُ عَهْدِى ٱلظَّٰلِمِينَ
أَفَمَن كَانَ عَلَىٰ بَيِّنَةٍ مِّن رَّبِّهِۦ وَيَتْلُوهُ شَاهِدٌ مِّنْهُ وَمِن قَبْلِهِۦ كِتَٰبُ مُوسَىٰٓ إِمَامًا وَرَحْمَةً أُو۟لَٰٓئِكَ   ١١_١٧
يُؤْمِنُونَ بِهِۦ وَمَن يَكْفُرْ بِهِۦ مِنَ ٱلْأَحْزَابِ فَٱلنَّارُ مَوْعِدُهُۥ فَلَا تَكُ فِى مِرْيَةٍ مِّنْهُ إِنَّهُ ٱلْحَقُّ مِن رَّبِّكَ وَلَٰكِنَّ
أَكْثَرَ ٱلنَّاسِ لَا يُؤْمِنُونَ
فَٱنتَقَمْنَا مِنْهُمْ وَإِنَّهُمَا لَبِإِمَامٍ مُّبِينٍ   ١٥_٧٩
وَٱلَّذِينَ يَقُولُونَ رَبَّنَا هَبْ لَنَا مِنْ أَزْوَٰجِنَا وَذُرِّيَّٰتِنَا قُرَّةَ أَعْيُنٍ وَٱجْعَلْنَا لِلْمُتَّقِينَ إِمَامًا   ٢٥_٧٤
إِنَّا نَحْنُ نُحْىِ ٱلْمَوْتَىٰ وَنَكْتُبُ مَا قَدَّمُوا۟ وَءَاثَٰرَهُمْ وَكُلَّ شَىْءٍ أَحْصَيْنَٰهُ فِىٓ إِمَامٍ مُّبِينٍ   ٣٦_١٢
وَمِن قَبْلِهِۦ كِتَٰبُ مُوسَىٰٓ إِمَامًا وَرَحْمَةً وَهَٰذَا كِتَٰبٌ مُّصَدِّقٌ لِّسَانًا عَرَبِيًّا لِّيُنذِرَ ٱلَّذِينَ ظَلَمُوا۟ وَبُشْرَىٰ   ٤٦_١٢
لِلْمُحْسِنِينَ

1 occurrence of the word Im'm (إِمْم) in the Quran.
يَوْمَ نَدْعُوا۟ كُلَّ أُنَاسٍ بِإِمَٰمِهِمْ فَمَنْ أُوتِىَ كِتَٰبَهُۥ بِيَمِينِهِۦ فَأُو۟لَٰٓئِكَ يَقْرَءُونَ كِتَٰبَهُمْ وَلَا يُظْلَمُونَ فَتِيلًا   ١٧_٧١

Note 11: 561 = Sum of digital roots of the number of letters in each chapter
                (Simplified29 with Bism):

C	V	W	L	ds(C)	ds(V)	ds(W)	ds(L)	dr(C)	dr(V)	dr(W)	dr(L)
1	7	29	139	1	7	11	13	1	7	2	4
2	286	6120	25884	2	16	9	27	2	7	9	9
3	200	3485	14757	3	2	20	24	3	2	2	6
4	176	3751	16082	4	14	16	17	4	5	7	8
5	120	2808	12034	5	3	18	10	5	3	9	1
6	165	3054	12573	6	12	12	18	6	3	3	9
7	206	3324	14232	7	8	12	12	7	8	3	3
8	75	1237	5361	8	12	13	15	8	3	4	6
9	129	2498	10940	9	12	23	14	9	3	5	5
10	109	1837	7525	1	10	19	19	1	1	1	1
11	123	1921	7733	2	6	13	20	2	6	4	2
12	111	1781	7210	3	3	17	10	3	3	8	1
13	43	857	3514	4	7	20	13	4	7	2	4
14	52	834	3513	5	7	15	12	5	7	6	3
15	99	659	2845	6	18	20	19	6	9	2	1
16	128	1848	7728	7	11	21	24	7	2	3	6
17	111	1560	6574	8	3	12	22	8	3	3	4
18	110	1583	6499	9	2	17	28	9	2	8	1
19	98	965	3880	10	17	20	19	1	8	2	1
20	135	1339	5348	2	9	16	20	2	9	7	2
21	112	1173	4988	3	4	12	29	3	4	3	2
22	78	1278	5251	4	15	18	13	4	6	9	4
23	118	1054	4409	5	10	10	17	5	1	1	8
24	64	1320	5674	6	10	6	22	6	1	6	4

25	77	897	3837	7	14	24	21	7	5	6	3
26	227	1322	5583	8	11	8	21	8	2	8	3
27	93	1155	4761	9	12	12	18	9	3	3	9
28	88	1434	5873	10	16	12	23	1	7	3	5
29	69	980	4268	11	15	17	20	2	6	8	2
30	60	821	3447	3	6	11	18	3	6	2	9
31	34	550	2151	4	7	10	9	4	7	1	9
32	30	376	1557	5	3	16	18	5	3	7	9
33	73	1291	5683	6	10	13	22	6	1	4	4
34	54	887	3565	7	9	23	19	7	9	5	1
35	45	779	3202	8	9	23	7	8	9	5	7
36	83	729	3034	9	11	18	10	9	2	9	1
37	182	865	3844	10	11	19	19	1	2	1	1
38	88	737	3030	11	16	17	6	2	7	8	6
39	75	1176	4800	12	12	15	12	3	3	6	3
40	85	1223	5052	4	13	8	12	4	4	8	3
41	54	798	3349	5	9	24	19	5	9	6	1
42	53	864	3488	6	8	18	23	6	8	9	5
43	89	834	3565	7	17	15	19	7	8	6	1
44	59	350	1472	8	14	8	14	8	5	8	5
45	37	492	2062	9	10	15	10	9	1	6	1
46	35	647	2640	10	8	17	12	1	8	8	3
47	38	543	2404	11	11	12	10	2	2	3	1
48	29	564	2493	12	11	15	18	3	2	6	9
49	18	351	1526	13	9	9	14	4	9	9	5
50	45	377	1507	5	9	17	13	5	9	8	4
51	60	364	1541	6	6	13	11	6	6	4	2
52	49	316	1320	7	13	10	6	7	4	1	6
53	62	364	1438	8	8	13	16	8	8	4	7
54	55	346	1479	9	10	13	21	9	1	4	3
55	78	355	1671	10	15	13	15	1	6	4	6
56	96	383	1733	11	15	14	14	2	6	5	5
57	29	578	2522	12	11	20	11	3	2	2	2
58	22	476	2027	13	4	17	11	4	4	8	2
59	24	449	1950	14	6	17	15	5	6	8	6
60	13	352	1557	6	4	10	18	6	4	1	9
61	14	225	962	7	5	9	17	7	5	9	8
62	11	179	773	8	2	17	17	8	2	8	8
63	11	184	806	9	2	13	14	9	2	4	5
64	18	245	1088	10	9	11	17	1	9	2	8
65	12	291	1199	11	3	12	20	2	3	3	2
66	12	253	1091	12	3	10	11	3	3	1	2
67	30	337	1347	13	3	13	15	4	3	4	6
68	52	304	1282	14	7	7	13	5	7	7	4
69	52	262	1130	15	7	10	5	6	7	1	5
70	44	221	968	7	8	5	23	7	8	5	5
71	28	230	971	8	10	5	17	8	1	5	8
72	28	289	1114	9	10	19	7	9	1	1	7
73	20	203	868	10	2	5	22	1	2	5	4
74	56	259	1043	11	11	16	8	2	2	7	8
75	40	168	686	12	4	15	20	3	4	6	2
76	31	247	1094	13	4	13	14	4	4	4	5
77	50	185	839	14	5	14	20	5	5	5	2
78	40	177	794	15	4	15	20	6	4	6	2
79	46	183	790	16	10	12	16	7	1	3	7
80	42	137	565	8	6	11	16	8	6	2	7
81	29	108	450	9	11	9	9	9	2	9	9
82	19	84	347	10	10	12	14	1	1	3	5
83	36	173	763	11	9	11	16	2	9	2	7
84	25	111	459	12	7	3	18	3	7	3	9
85	22	113	482	13	4	5	14	4	4	5	5
86	17	65	271	14	8	11	10	5	8	2	1
87	19	76	315	15	10	13	9	6	1	4	9
88	26	96	399	16	8	15	21	7	8	6	3
89	30	141	594	17	3	6	18	8	3	6	9
90	20	86	355	9	2	14	13	9	2	5	4
91	15	58	269	10	6	13	17	1	6	4	8
92	21	75	333	11	3	12	9	2	3	3	9
93	11	44	184	12	2	8	13	3	2	8	4
94	8	31	121	13	8	4	4	4	8	4	4

```
95    8    38   176        14    8   11   14        5    8    2    5
96   19    76   304        15   10   13    7        6    1    4    7
97    5    34   131        16    5    7    5        7    5    7    5
98    8    98   416        17    8   17   11        8    8    8    2
99    8    40   175        18    8    4   13        9    8    4    4
100  11    44   183         1    2    8   12        1    2    8    3
101  11    40   177         2    2    4   15        2    2    4    6
102   8    32   141         3    8    5    6        3    8    5    6
103   3    18    90         4    3    9    9        4    3    9    9
104   9    37   152         5    9   10    8        5    9    1    8
105   5    27   115         6    5    9    7        6    5    9    7
106   4    21    94         7    4    3   13        7    4    3    4
107   7    29   133         8    7   11    7        8    7    2    7
108   3    14    61         9    3    5    7        9    3    5    7
109   6    30   114        10    6    3    6        1    6    3    6
110   3    23    99         2    3    5   18        2    3    5    9
111   5    27   100         3    5    9    1        3    5    9    1
112   4    19    66         4    4   10   12        4    4    1    3
113   5    27    90         5    5    9    9        5    5    9    9
114   6    24    99         6    6    6   18        6    6    6    9
------------------------------------------------------------------------------
6555 6236 77878 327792     975  908 1432 1677      561  539  559  561
------------------------------------------------------------------------------
```

Note 12: 561 is the first Carmichael number that passes the Fermat primality test as
prime but is not prime (561 = 3×11×17).

> Carmichael Numbers or Fermat Pseudoprimes
> http://en.wikipedia.org/wiki/Carmichael_number
> A composite number n which satisfies the modular arithmetic congruence relation:
> b^n − 1 ≡ 1 (mod n) for all integers 1 < b < n which are relatively prime to n.
>
> Carmichael numbers are annoying because they pass the Fermat primality test
> but are not actually prime.
>
> http://oeis.org/A002997
> 561, 1105, 1729, 2465, 2821, 6601, 8911, 10585, 15841, 29341, 41041, 46657, 52633,
> 62745, 63973, 75361, 101101, 115921, 126217, 162401, 172081, 188461, 252601,
> 278545, 294409, 314821, 334153, 340561, 399001, 410041, 449065, 488881, 512461, ...

Note 13: 561 = 67th sphenic number (three distinct prime factors) where 67 = P19:

> Using http://heliwave.com/Composites.zip
> How many factros-per-number to find?   3
> Duplicate factors, unique, or any (d/u/a)? u
> Maximum number to factor?   561

#	N	C	AC	XC	Factors		
1	30	19		8	2	3	5
2	42	28	17		2	3	7
3	66	47	30		2	3	11
4	70	50		18	2	5	7
5	78	56	36		2	3	13
6	102	75		26	2	3	17
7	105	77	50		3	5	7
8	110	80		29	2	5	11
9	114	83	53		2	3	19
10	130	98	62		2	5	13
11	138	104	67		2	3	23
12	154	117	76		2	7	11
13	165	126	82		3	5	11
14	170	130	85		2	5	17
15	174	133	88		2	3	29
16	182	139		47	2	7	13
17	186	143	95		2	3	31
18	190	147	98		2	5	19
19	195	150	101		3	5	13
20	222	174	115		2	3	37
21	230	179		60	2	5	23

```
        22     231    180    120            3      7      11
        23     238    186            63     2      7      17
        24     246    192    128            2      3      41
        25     255    200    133            3      5      17
        26     258    202    134            2      3      43
        27     266    209    140            2      7      19
        28     273    214    144            3      7      13
        29     282    221    149            2      3      47
        30     285    223    151            3      5      19
        31     286    224    152            2     11      13
        32     290    228            75     2      5      29
        33     310    246    164            2      5      31
        34     318    251    169            2      3      53
        35     322    255            85     2      7      23
        36     345    276    186            3      5      23
        37     354    282    191            2      3      59
        38     357    285    193            3      7      17
        39     366    293    199            2      3      61
        40     370    296    201            2      5      37
        41     374    299    203            2     11      17
        42     385    308    209            5      7      11
        43     399    320    217            3      7      19
        44     402    322    219            2      3      67
        45     406    326    222            2      7      29
        46     410    329           106     2      5      41
        47     418    337           109     2     11      19
        48     426    343    233            2      3      71
        49     429    346    235            3     11      13
        50     430    347           112     2      5      43
        51     434    349           113     2      7      31
        52     435    350    237            3      5      29
        53     438    353    239            2      3      73
        54     442    356    242            2     13      17
        55     455    367    250            5      7      13
        56     465    374    256            3      5      31
        57     470    378           120     2      5      47
        58     474    382    261            2      3      79
        59     483    390    266            3      7      23
        60     494    399           127     2     13      19
        61     498    403    275            2      3      83
        62     506    409           131     2     11      23
        63     518    420    285            2      7      37
        64     530    430    292            2      5      53
        65     534    434    295            2      3      89
        66     555    453    307            3      5      37
-->     67     561    458    310            3     11      17
        -------------------------------------------------------
```

Please watch Fermat's Little Theorom and Pseudoprime 561
http://www.youtube.com/watch?v=_9fbBSxhkuA

```
-----------
Pattern 619
-----------

Pattern 619a: 619 is the 114th prime number and 6×19 = 114

        619  = P114
        6×19 =   114
   where:
        Quran 74:30 "Guarded by nineteen."
        Chapter 114 has 6 verses
        Digit sum of 114 = 1+1+4 = 6
        All prime numbers = 6n+1 or 6n-1.

        114 = C83  = AC53
        319 = C252 = XC83
        619 = P114 = XP53


  Note 1: P619 = 4567 with 4 5 6 7 in order.
          C619 =  753 with odd numbers in reverse order.


  Note 2: 619^114 = 319 digits number [pattern 319a]
17895094176505620351005007198776163300180065879624630164518028602030000759743640157607777
43539459121670921820714043268507540283621253602198272994827559646127695600981086594257955
35054257268551708653359754512616749584613169384289614385458404554560615906068000981851197
854822153734774365827116427917091075948502887661721


  Note 3: 319^114 = 286 digits composite = number of verses of chapter 2
27048168827589754353857802820371913896169115891501231457674978816821888499711771548376309
15754921733057592857888548604811209058325065756421873417253581588695242331285235893674840
00825676816476187703773530822620435035471176030193709841612857923851787770678900901780274 2
9000677001662529921


  Note 4: 114^619           = 1274 digits composite
16753400754230725132815019847291572814904481957349391131466620116982577466191473505734000
00306712107264205158353145634283564718568065480482151653217541760488858090708803515809998
46038425115385152080219288364386897486548683427192708023387361595001963898805572965272900
34398030988804616203857282236302803437260271736640450535251769767346796815475170128075733
67680803589098663985569942072229714095698289858048802361669909305154100578074237395623917
13740352591730885570866189389735649876763491703723024306048620752750738200224462755976864
12732809267835341235322953046469444987190485712793653646483102554061415850943697493778763
11350445739878729016825289834238814179578328783377464970567743507038843228303740221840766
75014679597728722090171243783529794101566379433841825715472234181133983553622226057458017
71869560133126013440951641807080933594807097569335513823406720576467103395953299586741577
39506907627463453821017304970527591018025373243035746392202146882186354180933899046022746
90875217879354392371205525767098514387775336883803978792750500281092587265977234217609788
66187220131562595522062291497295495577798666163425091869058663036841318097769611729779066 7
87822879310954433414906026064916323007566035861010174454803730905405694342853352188770603
0368632095105454581779267584


   and (114^619)-(619^114) = 1274 digits probable prime
16753400754230725132815019847291572814904481957349391131466620116982577466191473505734000
00306712107264205158353145634283564718568065480482151653217541760488858090708803515809998
46038425115385152080219288364386897486548683427192708023387361595001963898805572965272900
34398030988804616203857282236302803437260271736640450535251769767346796815475170128075733
67680803589098663985569942072229714095698289858048802361669909305154100578074237395623917
13740352591730885570866189389735649876763491703723024306048620752750738200224462755976864
12732809267835341235322953046469444987190485712793653646483102554061415850943697493778763
11350445739878729016825289834238814179578328783377464970567743507038843228303740221840766
75014679597728722090171243783529794101566379433841825715472234181133983553622226057458017
71869560133126013440951641807080933594807097569335513823406720576467103395953299586741577
39506907627463453821017304970527591018025373243035746392202146882007403239168842842512696
83676441716054212305325901136933996359173306883044235152592892503657192674760524999402648
22918712591278974268460093224300668018340533938649937603992372413062638405010600211257070
33310262561369820245521736450530864603011475245104106453821879707550872189118577822943486
608946118434596955 2902649863
```

```
Note 5: { 1, 6, 9 }
        619 = P114   [6×19 = 114]
        169 = 13×13  [square number]
        196 = 14×14  [square number]
        961 = 31×31  [square number]
        691 = P125   [125 = 5×5×5 cubic number]
        916 = 4×229  [229 4-chapter groups with chapter sum = verse sum = 229, pattern 229]


  Note 6:  19 =        4!-3!+2!-1!
          139 =     5!+4!-3!+2!-1!
          619 =  6!-5!+4!-3!+2!-1!


  Note 7: 6+19+114 = 139   [letters in The Key]


  Note 8:   114 =  1 +  113
           P114 = P1 + P113
            619 =  2 +  617


  Note 9: "There is no god but Allah. Muhammed is the Messenger of Allah."
          لا اله الا الله  محمد رسول الله Frequency_Linear value = 114
          لا اله الا الله  محمد رسول الله Abjad_Gematria   value = 619


  Note 10: "There is no god but Allah. Muhammed is the Messenger of Allah.
            Ali is the Patron of Allah."
           لا اله الا الله  محمد رسول الله  علي ولي الله has a Frequency_4n+1 value = 2×619 = C1034
           where 1034 is the Alphabet_Primes1 value of بسم الله الـرحمن الـرحيم


  Note 11: 619 ÷ 114 = 5.4(298245614035087719) recurring digits
          where 298245614035087719 = 3×3×3×7×11×13×17×37×52579×333667
          where 333667 is the sum of verse numbers in the Quran.

Pattern 619b:
Prime-composite index chain for 114 is 19 where P=0 and C=1 in left-to-right direction.
Composite/Prime index chain for 114 is  6 where C=0 and P=1 in right-to-left direction.


       114=C83
          83=P23
             23=P9
                9=C4
                  4=C1


       Left-to-right:
       P=0 C=1      PC> = CPPCC = 10011 = 19
       C=0 P=1      CP> = CPPCC = 01100 = 12   12 = C6 and P12 = 37
       Right-to-left:
       P=0 C=1      PC< = CCPPC = 11001 = 25   C25 = 2×19 and AC25 = 3×19 where 2×3 = 6
       C=0 P=1      CP< = CCPPC = 00110 =  6
       Chain length of (83->23->9->4->1) = 5

       Chain binary value         = n^2 - 1 where n = chain length.
       Chain binary value of 114 = 5^2 - 1 = 31    (19+12 = 25+6).

       Sum of           primes    up to 114 with chain length of 5 = 619
       Sum of additive primes     up to 114 with chain length of 5 = 333
       Sum of           composites up to 114 with chain length of 5 = 771
       Sum of additive composites up to 114 with chain length of 5 = 604
       Sum of all       numbers   up to 114 with chain length of 5 = 1390


  Note 1: Sum of primes up to 114 with chain length of 5:
        29 + 31 + 47 + 67 + 73 + 79 + 89 + 101 + 103 = 619


  Note 2: Sum of additive composites with chain length of 5:
        18 + 33 + 36 + 39 + 40 + 51 + 54 + 62 + 75 + 82 + 114 = 604 = Quran Pages.


  Note 3: Sum of maximum binary values for all chain lengths up to 5:
        1 + 11 + 111 + 1111 + 11111
        1 +  3 +   7 +   15 +    31                  = 57     [Pattern 9]


  Note 4: Chain length of (thousand thousand) 1000000 = 57     [Pattern 9]
```

Pattern 619c: Multiplying all 114 verse-per-chapters produces a composite
              with a sum of unique prime factors = AC619:

7×286×200×176×120×165×206×75×129×109×123×111×43×52×99×128×111×110×98×135×112×78×118×64×77
×227×93×88×69×60×34×30×73×54×45×83×182×88×75×85×54×53×89×59×37×35×38×29×18×45×60×49×62×55
×78×96×29×22×24×13×14×11×11×18×12×12×30×52×52×44×28×28×20×56×40×31×50×40×46×42×29×19×36×2
5×22×17×19×26×30×20×15×21×11×8×8×19×5×8×8×11×11×8×3×9×5×4×7×3×6×3×5×4×5×6

=
17068352573945279864277821139788276796869567442878849055258320540956626811782222137849833
8034024219380249946559817128344859523158711438671872000000000000000000000000000000000000

=
2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2
×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×
2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×2×3×3×3×3×3×3×3×3×3×3×3×3
×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×3×5×5×5×5×
5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×5×7×7×7×7×7×7×7×7×7×7×7×7×7×7×7×7
×11×11×11×11×11×11×11×11×11×11×11×11×11×11×11×11×11×13×13×13×13×13×13×13×13×13×17×17×17×1
9×19×19×19×23×23×29×29×29×31×31×31×37×37×37×41×43×43×53×59×59×73×83×89×103×109×227

= 2^122×3^52×5^33×7^16×11^17×13^9×17^3×19^4×23^2×
29^3×31^3×37^3×41^1×43^2×53^1×59^2×73^1×83^1×89^1×103^1×109^1×227^1

Sum of unique prime factors:
      = 2+3+5+7+11+13+17+19+23+29+31+37+41+43+53+59+73+83+89+103+109+227
      = 1077 = C896 = AC619

Note 1: AP114 - AC114 = 1077 = AC619
   where:
        P114 = 619
       AP114 = 1297
       XP114 = 1571
        C114 = 150
       AC114 = 220
       XC114 = 436
   Differences:
        619 - 150 = 469 = C377 = XC119
       1297 - 220 = 1077 = C896 = AC619 <---
       1571 - 436 = 1135 = C945 = AC652

  Note 2: 1077 = DF811
       where:
       There are 811 verses with prime sequence.   [pattern 114c note 1]

Pattern 619d: 6 chapters with a multiple of 19 letters of the word Allah (ﷲ)

#	Chap	Verses	Words	Letters	ه	ل	ل	ا	ﷲ	Factors
1	8	75	1237	5361	289	657	657	829	2432	19×128
2	40	85	1223	5052	229	627	627	816	2299	19×121
3	51	60	364	1541	72	162	162	231	627	19×33
4	62	11	179	773	44	114	114	127	399	19×21
5	76	31	247	1094	64	95	95	202	456	19×24
6	89	30	141	594	21	70	70	105	266	19×14
Sum	326	292	3391	14415	719	1725	1725	2310	6479	
Factor	2×181	2×2×73	3391	15×961	719	75×23	75×23	2×3×5×7×11	19×341	
P/C	289	230	478	12725	128	1455	1455	1966	5638	
AP/AC				9114	67	1008	1008	1359	3993	

Note 1: The total "ا" letters in these 6 chapters = 2×3×5×7×11 = first five primes!

Pattern 619e: 6 chapters with a multiple of 19 letters of the word Muhammed (محمد)

#	Chap	Verses	Words	Letters	د	م	ح	م	محمد	Factors
1	17	111	1560	6574	143	444	90	444	1121	19×59
2	27	93	1155	4761	98	399	54	399	950	19×50
3	61	14	225	962	19	78	15	78	190	19×10
4	63	11	184	806	12	66	8	66	152	19×8
5	71	28	230	971	25	80	5	80	190	19×10
6	100	11	44	183	7	12	7	12	38	19×2

| Sum | 339 | 268 | 3398 | 14257 | 304 | 1079 | 179 | 1079 | 2641 | |
| | 3×113 | 2×2×67 | 2×1699 | 53×269 | 16×19 | 13×83 | 179 | 13×83 | 19×139 | |

Note 1: The Alphabet_Primes1 value of the word Muhammed = 210 = 2×3×5×7 (first 4 primes).

Note 2: Chapter 63 contains 19×8 Muhammed letters where 19 is the 8th prime number
        where Muhammed (pbuh+f) was martyred at the age of 63 lunar years.

Pattern 619f: Total number of letters in the last word of each chapter (114 words) = 619.

Chapter	LastWord	Letters
1	ٱلضَّآلِّينَ	7
2	ٱلْكَٰفِرِينَ	7
3	تُفْلِحُونَ	6
4	عَلِيمًۢ	4
5	قَدِيرٌ	4
6	رَّجِيمُ	4
7	يَسْجُدُونَ	6
8	عَلِيمٌ	4
9	ٱلْعَظِيمِ	6
10	ٱلْحَٰكِمِينَ	7
11	تَعْمَلُونَ	6
12	يُؤْمِنُونَ	6
13	ٱلْكِتَٰبِ	5
14	ٱلْأَلْبَٰبِ	6
15	ٱلْيَقِينُ	6
16	مُحْسِنُونَ	6
17	تَكْبِيرًا	6
18	أَحَدًۢا	4
19	رِكْزًا	4
20	ٱهْتَدَىٰ	5
21	تَصِفُونَ	5
22	ٱلنَّصِيرُ	6
23	ٱلرَّٰحِمِينَ	7
24	عَلِيمٌ	4
25	لِزَامًۢا	5
26	يَنقَلِبُونَ	7
27	تَعْمَلُونَ	6
28	تُرْجَعُونَ	6
29	ٱلْمُحْسِنِينَ	8
30	يُوقِنُونَ	6
31	خَبِيرٌ	4
32	مُنتَظِرُونَ	7
33	رَّحِيمًۢا	5
34	مُرِيبٍ	4
35	بَصِيرًۢا	5
36	تُرْجَعُونَ	6
37	ٱلْعَٰلَمِينَ	7
38	حِينٍ	3
39	ٱلْعَٰلَمِينَ	7
40	ٱلْكَٰفِرُونَ	7
41	مُّحِيطٌ	4
42	ٱلْأُمُورُ	6
43	يَعْلَمُونَ	6
44	مُّرْتَقِبُونَ	7
45	ٱلْحَكِيمُ	6
46	ٱلْفَٰسِقُونَ	7
47	أَمْثَٰلَكُم	6

48	عَظِيمًا	5
49	تَعْمَلُونَ	6
50	وَعِيدِ	4
51	يُوعَدُونَ	6
52	ٱلنُّجُوم	6
53	وَٱعْبُدُوا۟	7
54	مُقْتَدِر	5
55	وَٱلْإِكْرَامُ	8
56	ٱلْعَظِيم	6
57	ٱلْعَظِيم	6
58	ٱلْمُفْلِحُونَ	8
59	ٱلْحَكِيمُ	6
60	ٱلْقُبُور	6
61	ظُهِرِينَ	5
62	ٱلرُّزِقِينَ	7
63	تَعْمَلُونَ	6
64	ٱلْحَكِيمُ	6
65	عِلْمًا	4
66	ٱلْقَٰنِتِينَ	7
67	مُّعِين	4
68	لَـلْعَٰلَمِينَ	7
69	ٱلْعَظِيم	6
70	يُوعَدُونَ	6
71	تَبَارًۢا	5
72	عَدَدًۢا	4
73	رُّحِيمٌ	4
74	ٱلْمَغْفِرَة	7
75	ٱلْمَوْتَىٰ	6
76	أَلِيمًا	5
77	يُؤْمِنُونَ	6
78	تُرَٰبًۢا	4
79	ضُحَىٰهَا	5
80	ٱلْفَجَرَةُ	6
81	ٱلْعَٰلَمِينَ	7
82	ٱللَّهِ	3
83	يَفْعَلُونَ	6
84	مَمْنُون	5
85	مَّحْفُوظٌۢ	5
86	رُوَيْدًۢا	5
87	وَمُوسَىٰ	5
88	حِسَابَهُم	6
89	جَنَّتِى	4
90	مُّؤْصَدَةٌۢ	5
91	عُقْبَٰهَا	5
92	يَرْضَىٰ	4
93	فَحَدِّث	4
94	فَٱرْغَب	5
95	ٱلْحُٰكِمِينَ	7
96	وَٱقْتَرِب	6
97	ٱلْفَجْر	5
98	رَبَّهُۥ	3
99	يَرَهُۥ	3
100	لَخَبِيرٌ	5
101	حَامِيَةٌ	5
102	ٱلنَّعِيم	6
103	بِٱلصَّبْر	6
104	مُّمَدَّدَة	5
105	مَّأْكُولٍۭ	5
106	خَوْفٍۭ	3
107	ٱلْمَاعُونَ	7
108	ٱلْأَبْتَرُ	6
109	دِين	3
110	تَوَّابًۢا	5
111	مَّسَدٍ	3
112	أَحَدٌۢ	3
113	حَسَدَ	3
114	وَٱلنَّاس	6

```
-----------------------------
Sum    114            619
-----------------------------
```

Pattern 619g:
        Sum of letter frequencies of "كتاب الله" in all verses numbered 114 = 619.

Pattern 619h:
        Arranging the 114 chapters of the Quran in a 6x19 matrix
        and assigning:
                0 to   non-initialized chapters
                1 to   initialized chapters
                2 to doubly-initialized chapter
        and summing up their binary and tertiary values produces:
                1) binary sum = 74 where Quran 74:30 "Guarded by nineteen."
                2) tertiary sum = double binary sum = 148

```
        Base-2 Numbering System    (Binary)
        -------------------------------------------------------------------------------
        0       1       1       0       0       0       1       0       0       1       1       1       1
        1       1       0       0       0       1
        1       0       0       0       0       0       1       1       1       1       1       1       1
        0       0       0       1       0       1
        0       1       1       2       1       1       1       1       0       0       0       1       0
        0       0       0       0       0       0
        0       0       0       0       0       0       0       0       0       0       1       0       0
        0       0       0       0       0       0
        0       0       0       0       0       0       0       0       0       0       0       0       0
        0       0       0       0       0       0
        0       0       0       0       0       0       0       0       0       0       0       0       0
        0       0       0       0       0       0
        -------------------------------------------------------------------------------
        2       5       5       8       4       4       7       6       2       3       11      7       3
        1       1       0       2       0       3       Sum = 74
        -------------------------------------------------------------------------------


        Base-3 Numbering System (Tertiary)
        -------------------------------------------------------------------------------
        0       1       1       0       0       0       1       0       0       1       1       1       1
        1       1       0       0       0       1
        1       0       0       0       0       0       1       1       1       1       1       1       1
        0       0       0       1       0       1
        0       1       1       2       1       1       1       1       0       0       0       1       0
        0       0       0       0       0       0
        0       0       0       0       0       0       0       0       0       0       1       0       0
        0       0       0       0       0       0
        0       0       0       0       0       0       0       0       0       0       0       0       0
        0       0       0       0       0       0
        0       0       0       0       0       0       0       0       0       0       0       0       0
        0       0       0       0       0       0
        -------------------------------------------------------------------------------
        3       10      10      18      9       9       13      12      3       4       31      13      4
        1       1       0       3       0       4       Sum = 148
        -------------------------------------------------------------------------------
```

  Note 1: 148 = Frequency_Linear value of the 14 initial letters
                (ا ه ط ي ك ل م ن س ع ر ص ق).

  Note 2:   74 = XC19 = DF57   (19th non-additive composite = 57th deficient number)
          148 = C113 = DF113   (113th composite = 113th deficient number)

        There are 19 indices where CIndex = DFIndex

        #   index C   DF
        ----
        1   110   145   145
        2   111   146   146
        3   112   147   147
        4   113   148   148 <---
        5   123   161   161
        6   125   164   164
        7   126   165   165
        8   127   166   166
        9   129   169   169

```
        10      130     170     170
        11      131     171     171
        12      132     172     172
        13      134     175     175
        14      139     182     182
        15      140     183     183
        16      141     184     184
        17      142     185     185
        18      149     194     194
        19      150     195     195
        --------------------------------
   Sum  190     2464    3222    3222
        --------------------------------
```

7, 29 and 729

Pattern 729a:

      Quran's first 7 verses = 29 words   where 7 = AP29

Pattern 729b:

      Quran's first 7 words = 29 letters   where 7 = AP29

Pattern 729c:

      Quran's last 7 verses = 29 words   where 7 = AP29

Pattern 729d:

      Quran's last 7 words = 29 letters   where 7 = AP29

Pattern 729e:

      First words of first 7 verses = 29 letters   where 7 = AP29

Pattern 729f:

      916 - 619 = 297

Pattern 729g:

      There are 102 overlapping ranges of 7 verses 29 words that may represent a light
      absorption/emission spectrum by their Number along the Quran's 6236 verses line.

Range	#	Number	C	V	W	L	Value	Text
1	1	1	1	1	4	19	1034	بِسْمِ ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
	2	2	1	2	4	17	1027	ٱلْحَمْدُ لِلَّهِ رَبِّ ٱلْعَٰلَمِينَ
	3	3	1	3	2	12	636	ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
	4	4	1	4	3	11	858	مَٰلِكِ يَوْمِ ٱلدِّينِ
	5	5	1	5	4	19	1067	إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ
	6	6	1	6	3	18	916	ٱهْدِنَا ٱلصِّرَٰطَ ٱلْمُسْتَقِيمَ
	7	7	1	7	9	43	2779	صِرَٰطَ ٱلَّذِينَ أَنْعَمْتَ عَلَيْهِمْ غَيْرِ ٱلْمَغْضُوبِ عَلَيْهِمْ وَلَا ٱلضَّآلِّينَ
2	8	3	1	3	2	12	636	ٱلرَّحْمَٰنِ ٱلرَّحِيمِ
	9	4	1	4	3	11	858	مَٰلِكِ يَوْمِ ٱلدِّينِ
	10	5	1	5	4	19	1067	إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ
	11	6	1	6	3	18	916	ٱهْدِنَا ٱلصِّرَٰطَ ٱلْمُسْتَقِيمَ
	12	7	1	7	9	43	2779	صِرَٰطَ ٱلَّذِينَ أَنْعَمْتَ عَلَيْهِمْ غَيْرِ ٱلْمَغْضُوبِ عَلَيْهِمْ وَلَا ٱلضَّآلِّينَ
	13	8	2	1	1	3	174	الٓمٓ
	14	9	2	2	7	26	1624	ذَٰلِكَ ٱلْكِتَٰبُ لَا رَيْبَ ۛ فِيهِ ۛ هُدًى لِّلْمُتَّقِينَ
3	15	3026	26	94	4	20	1268	فَكُبْكِبُوا۟ فِيهَا هُمْ وَٱلْغَاوُۥنَ
	16	3027	26	95	3	16	928	وَجُنُودُ إِبْلِيسَ أَجْمَعُونَ
	17	3028	26	96	4	19	1298	قَالُوا۟ وَهُمْ فِيهَا يَخْتَصِمُونَ
	18	3029	26	97	6	20	1321	تَٱللَّهِ إِن كُنَّا لَفِى ضَلَٰلٍ مُّبِينٍ
	19	3030	26	98	4	18	1094	إِذْ نُسَوِّيكُم بِرَبِّ ٱلْعَٰلَمِينَ
	20	3031	26	99	4	19	1015	وَمَآ أَضَلَّنَآ إِلَّا ٱلْمُجْرِمُونَ
	21	3032	26	100	4	13	907	فَمَا لَنَا مِن شَٰفِعِينَ
4	22	3150	26	218	4	15	1024	ٱلَّذِى يَرَىٰكَ حِينَ تَقُومُ
	23	3151	26	219	3	15	880	وَتَقَلُّبَكَ فِى ٱلسَّٰجِدِينَ
	24	3152	26	220	4	17	1208	إِنَّهُۥ هُوَ ٱلسَّمِيعُ ٱلْعَلِيمُ
	25	3153	26	221	6	24	1704	هَلْ أُنَبِّئُكُمْ عَلَىٰ مَن تَنَزَّلُ ٱلشَّيَٰطِينُ

	26	3154	26	222	5	17	988	تَنَزَّلُ عَلَىٰ كُلِّ أَفَّاكٍ أَثِيمٍ
	27	3155	26	223	4	22	1450	يُلْقُونَ ٱلسَّمْعَ وَأَكْثَرُهُمْ كَٰذِبُونَ
	28	3156	26	224	3	20	1042	وَٱلشُّعَرَآءُ يَتَّبِعُهُمُ ٱلْغَاوُۥنَ
5	29	3825	37	37	5	22	1039	بَلْ جَآءَ بِٱلْحَقِّ وَصَدَّقَ ٱلْمُرْسَلِينَ
	30	3826	37	38	4	23	1200	إِنَّكُمْ لَذَآئِقُوا۟ ٱلْعَذَابِ ٱلْأَلِيمِ
	31	3827	37	39	6	23	1327	وَمَا تُجْزَوْنَ إِلَّا مَا كُنتُمْ تَعْمَلُونَ
	32	3828	37	40	4	19	962	إِلَّا عِبَادَ ٱللَّهِ ٱلْمُخْلَصِينَ
	33	3829	37	41	4	16	1205	أُو۟لَٰٓئِكَ لَهُمْ رِزْقٌ مَّعْلُومٌ
	34	3830	37	42	3	13	1133	فَوَٰكِهُ ۖ وَهُم مُّكْرَمُونَ
	35	3831	37	43	3	11	730	فِى جَنَّٰتِ ٱلنَّعِيمِ
6	36	3864	37	76	5	24	1689	وَنَجَّيْنَٰهُ وَأَهْلَهُۥ مِنَ ٱلْكَرْبِ ٱلْعَظِيمِ
	37	3865	37	77	4	20	1179	وَجَعَلْنَا ذُرِّيَّتَهُۥ هُمُ ٱلْبَاقِينَ
	38	3866	37	78	4	20	1183	وَتَرَكْنَا عَلَيْهِ فِى ٱلْءَاخِرِينَ
	39	3867	37	79	5	18	1373	سَلَٰمٌ عَلَىٰ نُوحٍ فِى ٱلْعَٰلَمِينَ
	40	3868	37	80	4	19	1136	إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	41	3869	37	81	4	19	1237	إِنَّهُۥ مِنْ عِبَادِنَا ٱلْمُؤْمِنِينَ
	42	3870	37	82	3	16	704	ثُمَّ أَغْرَقْنَا ٱلْءَاخَرِينَ
7	43	3866	37	78	4	20	1183	وَتَرَكْنَا عَلَيْهِ فِى ٱلْءَاخِرِينَ
	44	3867	37	79	5	18	1373	سَلَٰمٌ عَلَىٰ نُوحٍ فِى ٱلْعَٰلَمِينَ
	45	3868	37	80	4	19	1136	إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	46	3869	37	81	4	19	1237	إِنَّهُۥ مِنْ عِبَادِنَا ٱلْمُؤْمِنِينَ
	47	3870	37	82	3	16	704	ثُمَّ أَغْرَقْنَا ٱلْءَاخَرِينَ
	48	3871	37	83	4	17	1117	۞ وَإِنَّ مِن شِيعَتِهِۦ لَإِبْرَٰهِيمَ
	49	3872	37	84	5	16	650	إِذْ جَآءَ رَبَّهُۥ بِقَلْبٍ سَلِيمٍ
8	50	3874	37	86	5	23	1397	أَئِفْكًا ءَالِهَةً دُونَ ٱللَّهِ تُرِيدُونَ
	51	3875	37	87	4	17	1043	فَمَا ظَنُّكُم بِرَبِّ ٱلْعَٰلَمِينَ
	52	3876	37	88	4	16	1105	فَنَظَرَ نَظْرَةً فِى ٱلنُّجُومِ
	53	3877	37	89	3	11	741	فَقَالَ إِنِّى سَقِيمٌ
	54	3878	37	90	3	15	970	فَتَوَلَّوْا۟ عَنْهُ مُدْبِرِينَ
	55	3879	37	91	6	27	1428	فَرَاغَ إِلَىٰٓ ءَالِهَتِهِمْ فَقَالَ أَلَا تَأْكُلُونَ
	56	3880	37	92	4	13	855	مَا لَكُمْ لَا تَنطِقُونَ
9	57	3891	37	103	4	19	1134	فَلَمَّآ أَسْلَمَا وَتَلَّهُۥ لِلْجَبِينِ
	58	3892	37	104	3	15	1061	وَنَٰدَيْنَٰهُ أَن يَٰٓإِبْرَٰهِيمُ
	59	3893	37	105	7	31	1592	قَدْ صَدَّقْتَ ٱلرُّءْيَآ ۚ إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	60	3894	37	106	5	20	1169	إِنَّ هَٰذَا لَهُوَ ٱلْبَلَٰٓؤُا۟ ٱلْمُبِينُ
	61	3895	37	107	3	14	856	وَفَدَيْنَٰهُ بِذِبْحٍ عَظِيمٍ
	62	3896	37	108	4	20	1183	وَتَرَكْنَا عَلَيْهِ فِى ٱلْءَاخِرِينَ
	63	3897	37	109	3	12	791	سَلَٰمٌ عَلَىٰٓ إِبْرَٰهِيمَ
10	64	3893	37	105	7	31	1592	قَدْ صَدَّقْتَ ٱلرُّءْيَآ ۚ إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	65	3894	37	106	5	20	1169	إِنَّ هَٰذَا لَهُوَ ٱلْبَلَٰٓؤُا۟ ٱلْمُبِينُ
	66	3895	37	107	3	14	856	وَفَدَيْنَٰهُ بِذِبْحٍ عَظِيمٍ
	67	3896	37	108	4	20	1183	وَتَرَكْنَا عَلَيْهِ فِى ٱلْءَاخِرِينَ
	68	3897	37	109	3	12	791	سَلَٰمٌ عَلَىٰٓ إِبْرَٰهِيمَ
	69	3898	37	110	3	16	1035	كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	70	3899	37	111	4	19	1237	إِنَّهُۥ مِنْ عِبَادِنَا ٱلْمُؤْمِنِينَ
11	71	3913	37	125	5	27	1407	أَتَدْعُونَ بَعْلًا وَتَذَرُونَ أَحْسَنَ ٱلْخَٰلِقِينَ
	72	3914	37	126	5	25	1364	ٱللَّهَ رَبَّكُمْ وَرَبَّ ءَابَآئِكُمُ ٱلْأَوَّلِينَ
	73	3915	37	127	3	18	1201	فَكَذَّبُوهُ فَإِنَّهُمْ لَمُحْضَرُونَ
	74	3916	37	128	4	19	962	إِلَّا عِبَادَ ٱللَّهِ ٱلْمُخْلَصِينَ
	75	3917	37	129	4	20	1183	وَتَرَكْنَا عَلَيْهِ فِى ٱلْءَاخِرِينَ
	76	3918	37	130	4	13	895	سَلَٰمٌ عَلَىٰٓ إِلْ يَاسِينَ
	77	3919	37	131	4	19	1136	إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
12	78	3925	37	137	4	22	1569	وَإِنَّكُمْ لَتَمُرُّونَ عَلَيْهِم مُّصْبِحِينَ
	79	3926	37	138	3	16	961	وَبِٱلَّيْلِ ۗ أَفَلَا تَعْقِلُونَ
	80	3927	37	139	4	18	1342	وَإِنَّ يُونُسَ لَمِنَ ٱلْمُرْسَلِينَ
	81	3928	37	140	5	20	1041	إِذْ أَبَقَ إِلَى ٱلْفُلْكِ ٱلْمَشْحُونِ
	82	3929	37	141	4	19	1192	فَسَاهَمَ فَكَانَ مِنَ ٱلْمُدْحَضِينَ
	83	3930	37	142	4	19	1305	فَٱلْتَقَمَهُ ٱلْحُوتُ وَهُوَ مُلِيمٌ
	84	3931	37	143	5	21	1337	فَلَوْلَآ أَنَّهُۥ كَانَ مِنَ ٱلْمُسَبِّحِينَ
13	85	3938	37	150	6	26	1669	أَمْ خَلَقْنَا ٱلْمَلَٰٓئِكَةَ إِنَٰثًا وَهُمْ شَٰهِدُونَ
	86	3939	37	151	5	21	1553	أَلَآ إِنَّهُم مِّنْ إِفْكِهِمْ لَيَقُولُونَ
	87	3940	37	152	4	18	1254	وَلَدَ ٱللَّهُ وَإِنَّهُمْ لَكَٰذِبُونَ
	88	3941	37	153	4	20	1108	أَصْطَفَى ٱلْبَنَاتِ عَلَى ٱلْبَنِينَ
	89	3942	37	154	4	14	985	مَا لَكُمْ كَيْفَ تَحْكُمُونَ
	90	3943	37	155	2	10	494	أَفَلَا تَذَكَّرُونَ
	91	3944	37	156	4	13	908	أَمْ لَكُمْ سُلْطَٰنٌ مُّبِينٌ
14	92	3947	37	159	4	16	992	سُبْحَٰنَ ٱللَّهِ عَمَّا يَصِفُونَ
	93	3948	37	160	4	19	962	إِلَّا عِبَادَ ٱللَّهِ ٱلْمُخْلَصِينَ

	94	3949	37	161	3	14	820	فَإِنَّكُمْ وَمَا تَعْبُدُونَ
	95	3950	37	162	4	16	1016	مَآ أَنتُمْ عَلَيْهِ بِفَٰتِنِينَ
	96	3951	37	163	5	16	910	إِلَّا مَنْ هُوَ صَالِ ٱلْجَحِيمِ
	97	3952	37	164	6	20	1331	وَمَا مِنَّآ إِلَّا لَهُۥ مَقَامٌ مَّعْلُومٌ
	98	3953	37	165	3	15	895	وَإِنَّا لَنَحْنُ ٱلصَّآفُّونَ
15	99	3952	37	164	6	20	1331	وَمَا مِنَّآ إِلَّا لَهُۥ مَقَامٌ مَّعْلُومٌ
	100	3953	37	165	3	15	895	وَإِنَّا لَنَحْنُ ٱلصَّآفُّونَ
	101	3954	37	166	3	16	921	وَإِنَّا لَنَحْنُ ٱلْمُسَبِّحُونَ
	102	3955	37	167	3	15	1134	وَإِن كَانُوا لَيَقُولُونَ
	103	3956	37	168	6	22	1357	لَوْ أَنَّ عِندَنَا ذِكْرًا مِّنَ ٱلْأَوَّلِينَ
	104	3957	37	169	4	20	1136	لَكُنَّا عِبَادَ ٱللَّهِ ٱلْمُخْلَصِينَ
	105	3958	37	170	4	18	1281	فَكَفَرُوا بِهِۦ ۖ فَسَوْفَ يَعْلَمُونَ
16	106	3955	37	167	3	15	1134	وَإِن كَانُوا لَيَقُولُونَ
	107	3956	37	168	6	22	1357	لَوْ أَنَّ عِندَنَا ذِكْرًا مِّنَ ٱلْأَوَّلِينَ
	108	3957	37	169	4	20	1136	لَكُنَّا عِبَادَ ٱللَّهِ ٱلْمُخْلَصِينَ
	109	3958	37	170	4	18	1281	فَكَفَرُوا بِهِۦ ۖ فَسَوْفَ يَعْلَمُونَ
	110	3959	37	171	5	29	1545	وَلَقَدْ سَبَقَتْ كَلِمَتُنَا لِعِبَادِنَا ٱلْمُرْسَلِينَ
	111	3960	37	172	3	16	1208	إِنَّهُمْ لَهُمُ ٱلْمَنصُورُونَ
	112	3961	37	173	4	18	1139	وَإِنَّ جُندَنَا لَهُمُ ٱلْغَٰلِبُونَ
17	113	4742	52	7	4	13	619	إِنَّ عَذَابَ رَبِّكَ لَوَٰقِعٌ
	114	4743	52	8	4	10	614	مَّا لَهُۥ مِن دَافِعٍ
	115	4744	52	9	4	17	962	يَوْمَ تَمُورُ ٱلسَّمَآءُ مَوْرًا
	116	4745	52	10	3	15	640	وَتَسِيرُ ٱلْجِبَالُ سَيْرًا
	117	4746	52	11	3	17	1357	فَوَيْلٌ يَوْمَئِذٍ لَّلْمُكَذِّبِينَ
	118	4747	52	12	5	18	1301	ٱلَّذِينَ هُمْ فِي خَوْضٍ يَلْعَبُونَ
	119	4748	52	13	6	21	1386	يَوْمَ يُدَعُّونَ إِلَىٰ نَارِ جَهَنَّمَ دَعًّا
18	120	4791	53	7	3	15	879	وَهُوَ بِٱلْأُفُقِ ٱلْأَعْلَىٰ
	121	4792	53	8	3	10	499	ثُمَّ دَنَا فَتَدَلَّىٰ
	122	4793	53	9	5	18	1074	فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ
	123	4794	53	10	5	18	988	فَأَوْحَىٰ إِلَىٰ عَبْدِهِۦ مَآ أَوْحَىٰ
	124	4795	53	11	5	16	705	مَا كَذَبَ ٱلْفُؤَادُ مَا رَأَىٰ
	125	4796	53	12	4	16	1082	أَفَتُمَٰرُونَهُۥ عَلَىٰ مَا يَرَىٰ
	126	4797	53	13	4	16	878	وَلَقَدْ رَءَاهُ نَزْلَةً أُخْرَىٰ
19	127	4792	53	8	3	10	499	ثُمَّ دَنَا فَتَدَلَّىٰ
	128	4793	53	9	5	18	1074	فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ
	129	4794	53	10	5	18	988	فَأَوْحَىٰ إِلَىٰ عَبْدِهِۦ مَآ أَوْحَىٰ
	130	4795	53	11	5	16	705	مَا كَذَبَ ٱلْفُؤَادُ مَا رَأَىٰ
	131	4796	53	12	4	16	1082	أَفَتُمَٰرُونَهُۥ عَلَىٰ مَا يَرَىٰ
	132	4797	53	13	4	16	878	وَلَقَدْ رَءَاهُ نَزْلَةً أُخْرَىٰ
	133	4798	53	14	3	14	847	عِندَ سِدْرَةِ ٱلْمُنتَهَىٰ
20	134	4793	53	9	5	18	1074	فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ
	135	4794	53	10	5	18	988	فَأَوْحَىٰ إِلَىٰ عَبْدِهِۦ مَآ أَوْحَىٰ
	136	4795	53	11	5	16	705	مَا كَذَبَ ٱلْفُؤَادُ مَا رَأَىٰ
	137	4796	53	12	4	16	1082	أَفَتُمَٰرُونَهُۥ عَلَىٰ مَا يَرَىٰ
	138	4797	53	13	4	16	878	وَلَقَدْ رَءَاهُ نَزْلَةً أُخْرَىٰ
	139	4798	53	14	3	14	847	عِندَ سِدْرَةِ ٱلْمُنتَهَىٰ
	140	4799	53	15	3	14	875	عِندَهَا جَنَّةُ ٱلْمَأْوَىٰ
21	141	4794	53	10	5	18	988	فَأَوْحَىٰ إِلَىٰ عَبْدِهِۦ مَآ أَوْحَىٰ
	142	4795	53	11	5	16	705	مَا كَذَبَ ٱلْفُؤَادُ مَا رَأَىٰ
	143	4796	53	12	4	16	1082	أَفَتُمَٰرُونَهُۥ عَلَىٰ مَا يَرَىٰ
	144	4797	53	13	4	16	878	وَلَقَدْ رَءَاهُ نَزْلَةً أُخْرَىٰ
	145	4798	53	14	3	14	847	عِندَ سِدْرَةِ ٱلْمُنتَهَىٰ
	146	4799	53	15	3	14	875	عِندَهَا جَنَّةُ ٱلْمَأْوَىٰ
	147	4800	53	16	5	18	1031	إِذْ يَغْشَى ٱلسِّدْرَةَ مَا يَغْشَىٰ
22	148	4795	53	11	5	16	705	مَا كَذَبَ ٱلْفُؤَادُ مَا رَأَىٰ
	149	4796	53	12	4	16	1082	أَفَتُمَٰرُونَهُۥ عَلَىٰ مَا يَرَىٰ
	150	4797	53	13	4	16	878	وَلَقَدْ رَءَاهُ نَزْلَةً أُخْرَىٰ
	151	4798	53	14	3	14	847	عِندَ سِدْرَةِ ٱلْمُنتَهَىٰ
	152	4799	53	15	3	14	875	عِندَهَا جَنَّةُ ٱلْمَأْوَىٰ
	153	4800	53	16	5	18	1031	إِذْ يَغْشَى ٱلسِّدْرَةَ مَا يَغْشَىٰ
	154	4801	53	17	5	16	772	مَا زَاغَ ٱلْبَصَرُ وَمَا طَغَىٰ
23	155	4797	53	13	4	16	878	وَلَقَدْ رَءَاهُ نَزْلَةً أُخْرَىٰ
	156	4798	53	14	3	14	847	عِندَ سِدْرَةِ ٱلْمُنتَهَىٰ
	157	4799	53	15	3	14	875	عِندَهَا جَنَّةُ ٱلْمَأْوَىٰ
	158	4800	53	16	5	18	1031	إِذْ يَغْشَى ٱلسِّدْرَةَ مَا يَغْشَىٰ
	159	4801	53	17	5	16	772	مَا زَاغَ ٱلْبَصَرُ وَمَا طَغَىٰ
	160	4802	53	18	6	21	1050	لَقَدْ رَأَىٰ مِنْ ءَايَٰتِ رَبِّهِ ٱلْكُبْرَىٰ
	161	4803	53	19	3	17	864	أَفَرَءَيْتُمُ ٱللَّٰتَ وَٱلْعُزَّىٰ
24	162	4799	53	15	3	14	875	عِندَهَا جَنَّةُ ٱلْمَأْوَىٰ
	163	4800	53	16	5	18	1031	إِذْ يَغْشَى ٱلسِّدْرَةَ مَا يَغْشَىٰ

	164	4801	53	17	5	16	772	مَا زَاغَ ٱلْبَصَرُ وَمَا طَغَىٰ
	165	4802	53	18	6	21	1050	لَقَدْ رَأَىٰ مِنْ ءَايَٰتِ رَبِّهِ ٱلْكُبْرَىٰٓ
	166	4803	53	19	3	17	864	أَفَرَءَيْتُمُ ٱللَّٰتَ وَٱلْعُزَّىٰ
	167	4804	53	20	3	18	1018	وَمَنَوٰةَ ٱلثَّالِثَةَ ٱلْأُخْرَىٰٓ
	168	4805	53	21	4	18	1054	أَلَكُمُ ٱلذَّكَرُ وَلَهُ ٱلْأُنثَىٰ
25	169	4824	53	40	4	13	962	وَأَنَّ سَعْيَهُۥ سَوْفَ يُرَىٰ
	170	4825	53	41	4	19	951	ثُمَّ يُجْزَىٰهُ ٱلْجَزَآءَ ٱلْأَوْفَىٰ
	171	4826	53	42	4	16	989	وَأَنَّ إِلَىٰ رَبِّكَ ٱلْمُنتَهَىٰ
	172	4827	53	43	4	15	942	وَأَنَّهُۥ هُوَ أَضْحَكَ وَأَبْكَىٰ
	173	4828	53	44	4	15	832	وَأَنَّهُۥ هُوَ أَمَاتَ وَأَحْيَا
	174	4829	53	45	5	26	1527	وَأَنَّهُۥ خَلَقَ ٱلزَّوْجَيْنِ ٱلذَّكَرَ وَٱلْأُنثَىٰ
	175	4830	53	46	4	13	833	مِن نُّطْفَةٍ إِذَا تُمْنَىٰ
26	176	4825	53	41	4	19	951	ثُمَّ يُجْزَىٰهُ ٱلْجَزَآءَ ٱلْأَوْفَىٰ
	177	4826	53	42	4	16	989	وَأَنَّ إِلَىٰ رَبِّكَ ٱلْمُنتَهَىٰ
	178	4827	53	43	4	15	942	وَأَنَّهُۥ هُوَ أَضْحَكَ وَأَبْكَىٰ
	179	4828	53	44	4	15	832	وَأَنَّهُۥ هُوَ أَمَاتَ وَأَحْيَا
	180	4829	53	45	5	26	1527	وَأَنَّهُۥ خَلَقَ ٱلزَّوْجَيْنِ ٱلذَّكَرَ وَٱلْأُنثَىٰ
	181	4830	53	46	4	13	833	مِن نُّطْفَةٍ إِذَا تُمْنَىٰ
	182	4831	53	47	4	19	1120	وَأَنَّ عَلَيْهِ ٱلنَّشْأَةَ ٱلْأُخْرَىٰ
27	183	4826	53	42	4	16	989	وَأَنَّ إِلَىٰ رَبِّكَ ٱلْمُنتَهَىٰ
	184	4827	53	43	4	15	942	وَأَنَّهُۥ هُوَ أَضْحَكَ وَأَبْكَىٰ
	185	4828	53	44	4	15	832	وَأَنَّهُۥ هُوَ أَمَاتَ وَأَحْيَا
	186	4829	53	45	5	26	1527	وَأَنَّهُۥ خَلَقَ ٱلزَّوْجَيْنِ ٱلذَّكَرَ وَٱلْأُنثَىٰ
	187	4830	53	46	4	13	833	مِن نُّطْفَةٍ إِذَا تُمْنَىٰ
	188	4831	53	47	4	19	1120	وَأَنَّ عَلَيْهِ ٱلنَّشْأَةَ ٱلْأُخْرَىٰ
	189	4832	53	48	4	15	1162	وَأَنَّهُۥ هُوَ أَغْنَىٰ وَأَقْنَىٰ
28	190	4827	53	43	4	15	942	وَأَنَّهُۥ هُوَ أَضْحَكَ وَأَبْكَىٰ
	191	4828	53	44	4	15	832	وَأَنَّهُۥ هُوَ أَمَاتَ وَأَحْيَا
	192	4829	53	45	5	26	1527	وَأَنَّهُۥ خَلَقَ ٱلزَّوْجَيْنِ ٱلذَّكَرَ وَٱلْأُنثَىٰ
	193	4830	53	46	4	13	833	مِن نُّطْفَةٍ إِذَا تُمْنَىٰ
	194	4831	53	47	4	19	1120	وَأَنَّ عَلَيْهِ ٱلنَّشْأَةَ ٱلْأُخْرَىٰ
	195	4832	53	48	4	15	1162	وَأَنَّهُۥ هُوَ أَغْنَىٰ وَأَقْنَىٰ
	196	4833	53	49	4	14	862	وَأَنَّهُۥ هُوَ رَبُّ ٱلشِّعْرَىٰ
29	197	4828	53	44	4	15	832	وَأَنَّهُۥ هُوَ أَمَاتَ وَأَحْيَا
	198	4829	53	45	5	26	1527	وَأَنَّهُۥ خَلَقَ ٱلزَّوْجَيْنِ ٱلذَّكَرَ وَٱلْأُنثَىٰ
	199	4830	53	46	4	13	833	مِن نُّطْفَةٍ إِذَا تُمْنَىٰ
	200	4831	53	47	4	19	1120	وَأَنَّ عَلَيْهِ ٱلنَّشْأَةَ ٱلْأُخْرَىٰ
	201	4832	53	48	4	15	1162	وَأَنَّهُۥ هُوَ أَغْنَىٰ وَأَقْنَىٰ
	202	4833	53	49	4	14	862	وَأَنَّهُۥ هُوَ رَبُّ ٱلشِّعْرَىٰ
	203	4834	53	50	4	18	1032	وَأَنَّهُۥٓ أَهْلَكَ عَادًا ٱلْأُولَىٰ
30	204	4832	53	48	4	15	1162	وَأَنَّهُۥ هُوَ أَغْنَىٰ وَأَقْنَىٰ
	205	4833	53	49	4	14	862	وَأَنَّهُۥ هُوَ رَبُّ ٱلشِّعْرَىٰ
	206	4834	53	50	4	18	1032	وَأَنَّهُۥٓ أَهْلَكَ عَادًا ٱلْأُولَىٰ
	207	4835	53	51	3	13	670	وَثَمُودَا۟ فَمَآ أَبْقَىٰ
	208	4836	53	52	9	32	2253	وَقَوْمَ نُوحٍ مِّن قَبْلُ إِنَّهُمْ كَانُوا۟ هُمْ أَظْلَمَ وَأَطْغَىٰ
	209	4837	53	53	2	13	949	وَٱلْمُؤْتَفِكَةَ أَهْوَىٰ
	210	4838	53	54	3	11	695	فَغَشَّىٰهَا مَا غَشَّىٰ
31	211	4833	53	49	4	14	862	وَأَنَّهُۥ هُوَ رَبُّ ٱلشِّعْرَىٰ
	212	4834	53	50	4	18	1032	وَأَنَّهُۥٓ أَهْلَكَ عَادًا ٱلْأُولَىٰ
	213	4835	53	51	3	13	670	وَثَمُودَا۟ فَمَآ أَبْقَىٰ
	214	4836	53	52	9	32	2253	وَقَوْمَ نُوحٍ مِّن قَبْلُ إِنَّهُمْ كَانُوا۟ هُمْ أَظْلَمَ وَأَطْغَىٰ
	215	4837	53	53	2	13	949	وَٱلْمُؤْتَفِكَةَ أَهْوَىٰ
	216	4838	53	54	3	11	695	فَغَشَّىٰهَا مَا غَشَّىٰ
	217	4839	53	55	4	18	620	فَبِأَىِّ ءَالَآءِ رَبِّكَ تَتَمَارَىٰ
32	218	4842	53	58	6	20	1381	لَيْسَ لَهَا مِن دُونِ ٱللَّهِ كَاشِفَةٌ
	219	4843	53	59	4	19	896	أَفَمِنْ هَٰذَا ٱلْحَدِيثِ تَعْجَبُونَ
	220	4844	53	60	3	15	922	وَتَضْحَكُونَ وَلَا تَبْكُونَ
	221	4845	53	61	2	10	641	وَأَنتُمْ سَٰمِدُونَ
	222	4846	53	62	3	17	805	فَٱسْجُدُوا۟ لِلَّهِ وَٱعْبُدُوا۟ ۩
	223	4847	54	1	4	22	995	ٱقْتَرَبَتِ ٱلسَّاعَةُ وَٱنشَقَّ ٱلْقَمَرُ
	224	4848	54	2	7	32	1905	وَإِن يَرَوْا۟ ءَايَةً يُعْرِضُوا۟ وَيَقُولُوا۟ سِحْرٌ مُّسْتَمِرٌّ
33	225	4843	53	59	4	19	896	أَفَمِنْ هَٰذَا ٱلْحَدِيثِ تَعْجَبُونَ
	226	4844	53	60	3	15	922	وَتَضْحَكُونَ وَلَا تَبْكُونَ
	227	4845	53	61	2	10	641	وَأَنتُمْ سَٰمِدُونَ
	228	4846	53	62	3	17	805	فَٱسْجُدُوا۟ لِلَّهِ وَٱعْبُدُوا۟ ۩
	229	4847	54	1	4	22	995	ٱقْتَرَبَتِ ٱلسَّاعَةُ وَٱنشَقَّ ٱلْقَمَرُ

	230	4848	54	2	7	32	1905	وَإِن يَرَوْا۟ ءَايَةً يُعْرِضُوا۟ وَيَقُولُوا۟ سِحْرٌ مُّسْتَمِرٌّ
	231	4849	54	3	6	31	1609	وَكَذَّبُوا۟ وَٱتَّبَعُوٓا۟ أَهْوَآءَهُمْ ۚ وَكُلُّ أَمْرٍ مُّسْتَقِرٌّ
34	232	4897	54	51	6	26	1680	وَلَقَدْ أَهْلَكْنَآ أَشْيَاعَكُمْ فَهَلْ مِن مُّدَّكِرٍ
	233	4898	54	52	5	18	1159	وَكُلُّ شَىْءٍ فَعَلُوهُ فِى ٱلزُّبُرِ
	234	4899	54	53	4	17	1045	وَكُلُّ صَغِيرٍ وَكَبِيرٍ مُّسْتَطَرٌ
	235	4900	54	54	5	18	1176	إِنَّ ٱلْمُتَّقِينَ فِى جَنَّٰتٍ وَنَهَرٍ
	236	4901	54	55	6	21	1305	فِى مَقْعَدِ صِدْقٍ عِندَ مَلِيكٍ مُّقْتَدِرٍ
	237	4902	55	1	1	6	313	ٱلرَّحْمَٰنُ
	238	4903	55	2	2	10	520	عَلَّمَ ٱلْقُرْءَانَ
35	239	4907	55	6	3	18	927	وَٱلنَّجْمُ وَٱلشَّجَرُ يَسْجُدَانِ
	240	4908	55	7	4	23	1306	وَٱلسَّمَآءَ رَفَعَهَا وَوَضَعَ ٱلْمِيزَانَ
	241	4909	55	8	4	17	906	أَلَّا تَطْغَوْا۟ فِى ٱلْمِيزَانِ
	242	4910	55	9	6	34	1838	وَأَقِيمُوا۟ ٱلْوَزْنَ بِٱلْقِسْطِ وَلَا تُخْسِرُوا۟ ٱلْمِيزَانَ
	243	4911	55	10	3	17	936	وَٱلْأَرْضَ وَضَعَهَا لِلْأَنَامِ
	244	4912	55	11	5	24	1394	فِيهَا فَٰكِهَةٌ وَٱلنَّخْلُ ذَاتُ ٱلْأَكْمَامِ
	245	4913	55	12	4	20	1026	وَٱلْحَبُّ ذُو ٱلْعَصْفِ وَٱلرَّيْحَانُ
36	246	4916	55	15	6	20	1102	وَخَلَقَ ٱلْجَآنَّ مِن مَّارِجٍ مِّن نَّارٍ
	247	4917	55	16	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	248	4918	55	17	4	21	1165	رَبُّ ٱلْمَشْرِقَيْنِ وَرَبُّ ٱلْمَغْرِبَيْنِ
	249	4919	55	18	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	250	4920	55	19	3	17	937	مَرَجَ ٱلْبَحْرَيْنِ يَلْتَقِيَانِ
	251	4921	55	20	4	18	947	بَيْنَهُمَا بَرْزَخٌ لَّا يَبْغِيَانِ
	252	4922	55	21	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
37	253	4919	55	18	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	254	4920	55	19	3	17	937	مَرَجَ ٱلْبَحْرَيْنِ يَلْتَقِيَانِ
	255	4921	55	20	4	18	947	بَيْنَهُمَا بَرْزَخٌ لَّا يَبْغِيَانِ
	256	4922	55	21	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	257	4923	55	22	4	23	1415	يَخْرُجُ مِنْهُمَا ٱللُّؤْلُؤُ وَٱلْمَرْجَانُ
	258	4924	55	23	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	259	4925	55	24	6	30	1543	وَلَهُ ٱلْجَوَارِ ٱلْمُنشَـَٔاتُ فِى ٱلْبَحْرِ كَٱلْأَعْلَٰمِ
38	260	4920	55	19	3	17	937	مَرَجَ ٱلْبَحْرَيْنِ يَلْتَقِيَانِ
	261	4921	55	20	4	18	947	بَيْنَهُمَا بَرْزَخٌ لَّا يَبْغِيَانِ
	262	4922	55	21	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	263	4923	55	22	4	23	1415	يَخْرُجُ مِنْهُمَا ٱللُّؤْلُؤُ وَٱلْمَرْجَانُ
	264	4924	55	23	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	265	4925	55	24	6	30	1543	وَلَهُ ٱلْجَوَارِ ٱلْمُنشَـَٔاتُ فِى ٱلْبَحْرِ كَٱلْأَعْلَٰمِ
	266	4926	55	25	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
39	267	4969	55	68	4	18	1342	فِيهِمَا فَٰكِهَةٌ وَنَخْلٌ وَرُمَّانٌ
	268	4970	55	69	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	269	4971	55	70	3	12	683	فِيهِنَّ خَيْرَٰتٌ حِسَانٌ
	270	4972	55	71	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	271	4973	55	72	4	17	965	حُورٌ مَّقْصُورَٰتٌ فِى ٱلْخِيَامِ
	272	4974	55	73	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	273	4975	55	74	6	22	1409	لَمْ يَطْمِثْهُنَّ إِنسٌ قَبْلَهُمْ وَلَا جَآنٌّ
40	274	4970	55	69	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	275	4971	55	70	3	12	683	فِيهِنَّ خَيْرَٰتٌ حِسَانٌ
	276	4972	55	71	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	277	4973	55	72	4	17	965	حُورٌ مَّقْصُورَٰتٌ فِى ٱلْخِيَامِ
	278	4974	55	73	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
	279	4975	55	74	6	22	1409	لَمْ يَطْمِثْهُنَّ إِنسٌ قَبْلَهُمْ وَلَا جَآنٌّ
	280	4976	55	75	4	20	683	فَبِأَىِّ ءَالَآءِ رَبِّكُمَا تُكَذِّبَانِ
41	281	5028	56	49	4	20	1173	قُلْ إِنَّ ٱلْأَوَّلِينَ وَٱلْءَاخِرِينَ
	282	5029	56	50	5	23	1826	لَمَجْمُوعُونَ إِلَىٰ مِيقَٰتِ يَوْمٍ مَّعْلُومٍ
	283	5030	56	51	5	25	1471	ثُمَّ إِنَّكُمْ أَيُّهَا ٱلضَّآلُّونَ ٱلْمُكَذِّبُونَ
	284	5031	56	52	5	18	1197	لَءَاكِلُونَ مِن شَجَرٍ مِّن زَقُّومٍ
	285	5032	56	53	3	16	1075	فَمَالِـُٔونَ مِنْهَا ٱلْبُطُونَ
	286	5033	56	54	4	18	1265	فَشَٰرِبُونَ عَلَيْهِ مِنَ ٱلْحَمِيمِ
	287	5034	56	55	3	14	799	فَشَٰرِبُونَ شُرْبَ ٱلْهِيمِ
42	288	5029	56	50	5	23	1826	لَمَجْمُوعُونَ إِلَىٰ مِيقَٰتِ يَوْمٍ مَّعْلُومٍ
	289	5030	56	51	5	25	1471	ثُمَّ إِنَّكُمْ أَيُّهَا ٱلضَّآلُّونَ ٱلْمُكَذِّبُونَ
	290	5031	56	52	5	18	1197	لَءَاكِلُونَ مِن شَجَرٍ مِّن زَقُّومٍ
	291	5032	56	53	3	16	1075	فَمَالِـُٔونَ مِنْهَا ٱلْبُطُونَ
	292	5033	56	54	4	18	1265	فَشَٰرِبُونَ عَلَيْهِ مِنَ ٱلْحَمِيمِ
	293	5034	56	55	3	14	799	فَشَٰرِبُونَ شُرْبَ ٱلْهِيمِ
	294	5035	56	56	4	16	1134	هَٰذَا نُزُلُهُمْ يَوْمَ ٱلدِّينِ
43	295	5041	56	62	6	32	1989	وَلَقَدْ عَلِمْتُمُ ٱلنَّشْأَةَ ٱلْأُولَىٰ فَلَوْلَا تَذَكَّرُونَ
	296	5042	56	63	3	15	649	أَفَرَءَيْتُم مَّا تَحْرُثُونَ

	297	5043	56	64	5	24	1325	ءَأَنتُمْ تَزْرَعُونَهُ أَمْ نَحْنُ ٱلزَّٰرِعُونَ
	298	5044	56	65	6	27	1683	لَوْ نَشَآءُ لَجَعَلْنَٰهُ حُطَٰمًا فَظَلْتُمْ تَفَكَّهُونَ
	299	5045	56	66	2	10	658	إِنَّا لَمُغْرَمُونَ
	300	5046	56	67	3	12	816	بَلْ نَحْنُ مَحْرُومُونَ
	301	5047	56	68	4	22	974	أَفَرَءَيْتُمُ ٱلْمَآءَ ٱلَّذِى تَشْرَبُونَ
44	302	5289	68	18	2	10	641	وَلَا يَسْتَثْنُونَ
	303	5290	68	19	7	27	1869	فَطَافَ عَلَيْهَا طَآئِفٌ مِّن رَّبِّكَ وَهُمْ نَآئِمُونَ
	304	5291	68	20	2	13	569	فَأَصْبَحَتْ كَٱلصَّرِيمِ
	305	5292	68	21	2	13	651	فَتَنَادَوْا۟ مُصْبِحِينَ
	306	5293	68	22	7	26	1494	أَنِ ٱغْدُوا۟ عَلَىٰ حَرْثِكُمْ إِن كُنتُمْ صَٰرِمِينَ
	307	5294	68	23	3	18	1182	فَٱنطَلَقُوا۟ وَهُمْ يَتَخَٰفَتُونَ
	308	5295	68	24	6	26	1822	أَن لَّا يَدْخُلَنَّهَا ٱلْيَوْمَ عَلَيْكُم مَّسْكِينٌ
45	309	5291	68	20	2	13	569	فَأَصْبَحَتْ كَٱلصَّرِيمِ
	310	5292	68	21	2	13	651	فَتَنَادَوْا۟ مُصْبِحِينَ
	311	5293	68	22	7	26	1494	أَنِ ٱغْدُوا۟ عَلَىٰ حَرْثِكُمْ إِن كُنتُمْ صَٰرِمِينَ
	312	5294	68	23	3	18	1182	فَٱنطَلَقُوا۟ وَهُمْ يَتَخَٰفَتُونَ
	313	5295	68	24	6	26	1822	أَن لَّا يَدْخُلَنَّهَا ٱلْيَوْمَ عَلَيْكُم مَّسْكِينٌ
	314	5296	68	25	4	16	931	وَغَدَوْا۟ عَلَىٰ حَرْدٍ قَٰدِرِينَ
	315	5297	68	26	5	23	1261	فَلَمَّا رَأَوْهَا قَالُوٓا۟ إِنَّا لَضَآلُّونَ
46	316	5348	69	25	10	41	2626	وَأَمَّا مَنْ أُوتِىَ كِتَٰبَهُۥ بِشِمَالِهِۦ فَيَقُولُ يَٰلَيْتَنِى لَمْ أُوتَ كِتَٰبِيَهْ
	317	5349	69	26	4	14	679	وَلَمْ أَدْرِ مَا حِسَابِيَهْ
	318	5350	69	27	3	17	1003	يَٰلَيْتَهَا كَانَتِ ٱلْقَاضِيَةَ
	319	5351	69	28	4	14	1011	مَآ أَغْنَىٰ عَنِّى مَالِيَهْ ۜ
	320	5352	69	29	3	12	1006	هَلَكَ عَنِّى سُلْطَٰنِيَهْ
	321	5353	69	30	2	9	669	خُذُوهُ فَغُلُّوهُ
	322	5354	69	31	3	12	731	ثُمَّ ٱلْجَحِيمَ صَلُّوهُ
47	323	5369	69	46	4	17	1149	ثُمَّ لَقَطَعْنَا مِنْهُ ٱلْوَتِينَ
	324	5370	69	47	6	20	1254	فَمَا مِنكُم مِّنْ أَحَدٍ عَنْهُ حَٰجِزِينَ
	325	5371	69	48	3	17	1160	وَإِنَّهُۥ لَتَذْكِرَةٌ لِّلْمُتَّقِينَ
	326	5372	69	49	5	21	1468	وَإِنَّا لَنَعْلَمُ أَنَّ مِنكُم مُّكَذِّبِينَ
	327	5373	69	50	4	19	1285	وَإِنَّهُۥ لَحَسْرَةٌ عَلَى ٱلْكَٰفِرِينَ
	328	5374	69	51	3	13	941	وَإِنَّهُۥ لَحَقُّ ٱلْيَقِينِ
	329	5375	69	52	4	17	767	فَسَبِّحْ بِٱسْمِ رَبِّكَ ٱلْعَظِيمِ
48	330	5370	69	47	6	20	1254	فَمَا مِنكُم مِّنْ أَحَدٍ عَنْهُ حَٰجِزِينَ
	331	5371	69	48	3	17	1160	وَإِنَّهُۥ لَتَذْكِرَةٌ لِّلْمُتَّقِينَ
	332	5372	69	49	5	21	1468	وَإِنَّا لَنَعْلَمُ أَنَّ مِنكُم مُّكَذِّبِينَ
	333	5373	69	50	4	19	1285	وَإِنَّهُۥ لَحَسْرَةٌ عَلَى ٱلْكَٰفِرِينَ
	334	5374	69	51	3	13	941	وَإِنَّهُۥ لَحَقُّ ٱلْيَقِينِ
	335	5375	69	52	4	17	767	فَسَبِّحْ بِٱسْمِ رَبِّكَ ٱلْعَظِيمِ
	336	5376	70	1	4	16	682	سَأَلَ سَآئِلٌ بِعَذَابٍ وَاقِعٍ
49	337	5385	70	10	4	15	1013	وَلَا يَسْـَٔلُ حَمِيمٌ حَمِيمًا
	338	5386	70	11	9	40	2614	يُبَصَّرُونَهُمْ ۚ يَوَدُّ ٱلْمُجْرِمُ لَوْ يَفْتَدِى مِنْ عَذَابِ يَوْمِئِذٍ بِبَنِيهِ
	339	5387	70	12	2	11	598	وَصَٰحِبَتِهِۦ وَأَخِيهِ
	340	5388	70	13	3	15	1026	وَفَصِيلَتِهِ ٱلَّتِى تُـْٔوِيهِ
	341	5389	70	14	6	22	1419	وَمَن فِى ٱلْأَرْضِ جَمِيعًا ثُمَّ يُنجِيهِ
	342	5390	70	15	3	10	615	كَلَّآ ۖ إِنَّهَا لَظَىٰ
	343	5391	70	16	2	10	709	نَزَّاعَةً لِّلشَّوَىٰ
50	344	5386	70	11	9	40	2614	يُبَصَّرُونَهُمْ ۚ يَوَدُّ ٱلْمُجْرِمُ لَوْ يَفْتَدِى مِنْ عَذَابِ يَوْمِئِذٍ بِبَنِيهِ
	345	5387	70	12	2	11	598	وَصَٰحِبَتِهِۦ وَأَخِيهِ
	346	5388	70	13	3	15	1026	وَفَصِيلَتِهِ ٱلَّتِى تُـْٔوِيهِ
	347	5389	70	14	6	22	1419	وَمَن فِى ٱلْأَرْضِ جَمِيعًا ثُمَّ يُنجِيهِ
	348	5390	70	15	3	10	615	كَلَّآ ۖ إِنَّهَا لَظَىٰ
	349	5391	70	16	2	10	709	نَزَّاعَةً لِّلشَّوَىٰ
	350	5392	70	17	4	16	830	تَدْعُوا۟ مَنْ أَدْبَرَ وَتَوَلَّىٰ
51	351	5397	70	22	2	10	591	إِلَّا ٱلْمُصَلِّينَ
	352	5398	70	23	5	22	1493	ٱلَّذِينَ هُمْ عَلَىٰ صَلَاتِهِمْ دَآئِمُونَ
	353	5399	70	24	5	21	1571	وَٱلَّذِينَ فِىٓ أَمْوَٰلِهِمْ حَقٌّ مَّعْلُومٌ
	354	5400	70	25	2	14	906	لِّلسَّآئِلِ وَٱلْمَحْرُومِ
	355	5401	70	26	4	21	1467	وَٱلَّذِينَ يُصَدِّقُونَ بِيَوْمِ ٱلدِّينِ
	356	5402	70	27	6	24	1576	وَٱلَّذِينَ هُم مِّنْ عَذَابِ رَبِّهِم مُّشْفِقُونَ
	357	5403	70	28	5	18	993	إِنَّ عَذَابَ رَبِّهِمْ غَيْرُ مَأْمُونٍ
52	358	5532	74	37	7	24	1324	لِمَن شَآءَ مِنكُمْ أَن يَتَقَدَّمَ أَوْ يَتَأَخَّرَ
	359	5533	74	38	5	17	1020	كُلُّ نَفْسٍ بِمَا كَسَبَتْ رَهِينَةٌ
	360	5534	74	39	3	13	633	إِلَّآ أَصْحَٰبَ ٱلْيَمِينِ
	361	5535	74	40	3	13	726	فِى جَنَّٰتٍ يَتَسَآءَلُونَ
	362	5536	74	41	2	10	665	عَنِ ٱلْمُجْرِمِينَ
	363	5537	74	42	4	12	775	مَا سَلَكَكُمْ فِى سَقَرَ

	364	5538	74	43	5	18	1301	قَالُوا لَمْ نَكُ مِنَ ٱلْمُصَلِّينَ
53	365	5538	74	43	5	18	1301	قَالُوا لَمْ نَكُ مِنَ ٱلْمُصَلِّينَ
	366	5539	74	44	4	16	1245	وَلَمْ نَكُ نُطْعِمُ ٱلْمِسْكِينَ
	367	5540	74	45	4	18	1157	وَكُنَّا نَخُوضُ مَعَ ٱلْخَآئِضِينَ
	368	5541	74	46	4	17	1093	وَكُنَّا نُكَذِّبُ بِيَوْمِ ٱلدِّينِ
	369	5542	74	47	3	14	807	حَتَّىٰ أَتَىٰنَا ٱلْيَقِينُ
	370	5543	74	48	4	20	1322	فَمَا تَنفَعُهُمْ شَفَٰعَةُ ٱلشَّٰفِعِينَ
	371	5544	74	49	5	21	1345	فَمَا لَهُمْ عَنِ ٱلتَّذْكِرَةِ مُعْرِضِينَ
54	372	5553	75	2	4	20	1145	وَلَآ أُقْسِمُ بِٱلنَّفْسِ ٱللَّوَّامَةِ
	373	5554	75	3	5	23	1232	أَيَحْسَبُ ٱلْإِنسَٰنُ أَلَّن نَّجْمَعَ عِظَامَهُ
	374	5555	75	4	6	22	1512	بَلَىٰ قَٰدِرِينَ عَلَىٰٓ أَن نُّسَوِّىَ بَنَانَهُ
	375	5556	75	5	5	22	1250	بَلْ يُرِيدُ ٱلْإِنسَٰنُ لِيَفْجُرَ أَمَامَهُ
	376	5557	75	6	4	16	1189	يَسْـَٔلُ أَيَّانَ يَوْمُ ٱلْقِيَٰمَةِ
	377	5558	75	7	3	12	363	فَإِذَا بَرِقَ ٱلْبَصَرُ
	378	5559	75	8	2	9	504	وَخَسَفَ ٱلْقَمَرُ
55	379	5560	75	9	3	15	895	وَجُمِعَ ٱلشَّمْسُ وَٱلْقَمَرُ
	380	5561	75	10	5	23	1593	يَقُولُ ٱلْإِنسَٰنُ يَوْمَئِذٍ أَيْنَ ٱلْمَفَرُّ
	381	5562	75	11	3	8	412	كَلَّا لَا وَزَرَ
	382	5563	75	12	4	18	1050	إِلَىٰ رَبِّكَ يَوْمَئِذٍ ٱلْمُسْتَقَرُّ
	383	5564	75	13	6	26	1485	يُنَبَّؤُا۟ ٱلْإِنسَٰنُ يَوْمَئِذٍ بِمَا قَدَّمَ وَأَخَّرَ
	384	5565	75	14	5	20	1244	بَلِ ٱلْإِنسَٰنُ عَلَىٰ نَفْسِهِ بَصِيرَةٌ
	385	5566	75	15	3	14	966	وَلَوْ أَلْقَىٰ مَعَاذِيرَهُ
56	386	5657	77	35	4	14	1040	هَٰذَا يَوْمُ لَا يَنطِقُونَ
	387	5658	77	36	4	18	1287	وَلَا يُؤْذَنُ لَهُمْ فَيَعْتَذِرُونَ
	388	5659	77	37	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
	389	5660	77	38	5	25	1713	هَٰذَا يَوْمُ ٱلْفَصْلِ جَمَعْنَٰكُمْ وَٱلْأَوَّلِينَ
	390	5661	77	39	5	18	1280	فَإِن كَانَ لَكُمْ كَيْدٌ فَكِيدُونِ
	391	5662	77	40	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
	392	5663	77	41	5	19	1429	إِنَّ ٱلْمُتَّقِينَ فِى ظِلَٰلٍ وَعُيُونٍ
57	393	5661	77	39	5	18	1280	فَإِن كَانَ لَكُمْ كَيْدٌ فَكِيدُونِ
	394	5662	77	40	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
	395	5663	77	41	5	19	1429	إِنَّ ٱلْمُتَّقِينَ فِى ظِلَٰلٍ وَعُيُونٍ
	396	5664	77	42	3	14	1091	وَفَوَٰكِهَ مِمَّا يَشْتَهُونَ
	397	5665	77	43	6	28	1659	كُلُوا۟ وَٱشْرَبُوا۟ هَنِيٓـًٔا بِمَا كُنتُمْ تَعْمَلُونَ
	398	5666	77	44	4	19	1136	إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	399	5667	77	45	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
58	400	5662	77	40	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
	401	5663	77	41	5	19	1429	إِنَّ ٱلْمُتَّقِينَ فِى ظِلَٰلٍ وَعُيُونٍ
	402	5664	77	42	3	14	1091	وَفَوَٰكِهَ مِمَّا يَشْتَهُونَ
	403	5665	77	43	6	28	1659	كُلُوا۟ وَٱشْرَبُوا۟ هَنِيٓـًٔا بِمَا كُنتُمْ تَعْمَلُونَ
	404	5666	77	44	4	19	1136	إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	405	5667	77	45	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
	406	5668	77	46	5	26	1668	كُلُوا۟ وَتَمَتَّعُوا۟ قَلِيلًا إِنَّكُم مُّجْرِمُونَ
59	407	5663	77	41	5	19	1429	إِنَّ ٱلْمُتَّقِينَ فِى ظِلَٰلٍ وَعُيُونٍ
	408	5664	77	42	3	14	1091	وَفَوَٰكِهَ مِمَّا يَشْتَهُونَ
	409	5665	77	43	6	28	1659	كُلُوا۟ وَٱشْرَبُوا۟ هَنِيٓـًٔا بِمَا كُنتُمْ تَعْمَلُونَ
	410	5666	77	44	4	19	1136	إِنَّا كَذَٰلِكَ نَجْزِى ٱلْمُحْسِنِينَ
	411	5667	77	45	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
	412	5668	77	46	5	26	1668	كُلُوا۟ وَتَمَتَّعُوا۟ قَلِيلًا إِنَّكُم مُّجْرِمُونَ
	413	5669	77	47	3	16	1286	وَيْلٌ يَوْمَئِذٍ لِّلْمُكَذِّبِينَ
60	414	5684	78	12	4	20	1010	وَبَنَيْنَا فَوْقَكُمْ سَبْعًا شِدَادًا
	415	5685	78	13	3	16	657	وَجَعَلْنَا سِرَاجًا وَهَّاجًا
	416	5686	78	14	5	24	1038	وَأَنزَلْنَا مِنَ ٱلْمُعْصِرَٰتِ مَآءً ثَجَّاجًا
	417	5687	78	15	4	16	571	لِّنُخْرِجَ بِهِ حَبًّا وَنَبَاتًا
	418	5688	78	16	2	10	447	وَجَنَّٰتٍ أَلْفَافًا
	419	5689	78	17	5	18	1134	إِنَّ يَوْمَ ٱلْفَصْلِ كَانَ مِيقَٰتًا
	420	5690	78	18	6	26	1503	يَوْمَ يُنفَخُ فِى ٱلصُّورِ فَتَأْتُونَ أَفْوَاجًا
61	421	5685	78	13	3	16	657	وَجَعَلْنَا سِرَاجًا وَهَّاجًا
	422	5686	78	14	5	24	1038	وَأَنزَلْنَا مِنَ ٱلْمُعْصِرَٰتِ مَآءً ثَجَّاجًا
	423	5687	78	15	4	16	571	لِّنُخْرِجَ بِهِ حَبًّا وَنَبَاتًا
	424	5688	78	16	2	10	447	وَجَنَّٰتٍ أَلْفَافًا
	425	5689	78	17	5	18	1134	إِنَّ يَوْمَ ٱلْفَصْلِ كَانَ مِيقَٰتًا
	426	5690	78	18	6	26	1503	يَوْمَ يُنفَخُ فِى ٱلصُّورِ فَتَأْتُونَ أَفْوَاجًا
	427	5691	78	19	4	21	778	وَفُتِحَتِ ٱلسَّمَآءُ فَكَانَتْ أَبْوَٰبًا
62	428	5687	78	15	4	16	571	لِّنُخْرِجَ بِهِ حَبًّا وَنَبَاتًا
	429	5688	78	16	2	10	447	وَجَنَّٰتٍ أَلْفَافًا
	430	5689	78	17	5	18	1134	إِنَّ يَوْمَ ٱلْفَصْلِ كَانَ مِيقَٰتًا
	431	5690	78	18	6	26	1503	يَوْمَ يُنفَخُ فِى ٱلصُّورِ فَتَأْتُونَ أَفْوَاجًا
	432	5691	78	19	4	21	778	وَفُتِحَتِ ٱلسَّمَآءُ فَكَانَتْ أَبْوَٰبًا
	433	5692	78	20	4	21	792	وَسُيِّرَتِ ٱلْجِبَالُ فَكَانَتْ سَرَابًا

	434	5693	78	21	4	16	764	إِنَّ جَهَنَّمَ كَانَتْ مِرْصَادًا
63	435	5690	78	18	6	26	1503	يَوْمَ يُنفَخُ فِى ٱلصُّورِ فَتَأْتُونَ أَفْوَاجًا
	436	5691	78	19	4	21	778	وَفُتِحَتِ ٱلسَّمَآءُ فَكَانَتْ أَبْوَٰبًا
	437	5692	78	20	4	21	792	وَسُيِّرَتِ ٱلْجِبَالُ فَكَانَتْ سَرَابًا
	438	5693	78	21	4	16	764	إِنَّ جَهَنَّمَ كَانَتْ مِرْصَادًا
	439	5694	78	22	2	10	586	لِّلطَّٰغِينَ مَـَٔابًا
	440	5695	78	23	3	15	673	لَّٰبِثِينَ فِيهَآ أَحْقَابًا
	441	5696	78	24	6	24	1190	لَّا يَذُوقُونَ فِيهَا بَرْدًا وَلَا شَرَابًا
64	442	5728	79	16	6	25	1262	إِذْ نَادَىٰهُ رَبُّهُۥ بِٱلْوَادِ ٱلْمُقَدَّسِ طُوًى
	443	5729	79	17	5	18	1109	ٱذْهَبْ إِلَىٰ فِرْعَوْنَ إِنَّهُۥ طَغَىٰ
	444	5730	79	18	6	16	1086	فَقُلْ هَل لَّكَ إِلَىٰٓ أَن تَزَكَّىٰ
	445	5731	79	19	4	17	955	وَأَهْدِيَكَ إِلَىٰ رَبِّكَ فَتَخْشَىٰ
	446	5732	79	20	3	17	909	فَأَرَىٰهُ ٱلْـَٔايَةَ ٱلْكُبْرَىٰ
	447	5733	79	21	2	8	490	فَكَذَّبَ وَعَصَىٰ
	448	5734	79	22	3	10	461	ثُمَّ أَدْبَرَ يَسْعَىٰ
65	449	5734	79	22	3	10	461	ثُمَّ أَدْبَرَ يَسْعَىٰ
	450	5735	79	23	2	9	450	فَحَشَرَ فَنَادَىٰ
	451	5736	79	24	4	17	868	فَقَالَ أَنَا۠ رَبُّكُمُ ٱلْأَعْلَىٰ
	452	5737	79	25	5	27	1462	فَأَخَذَهُ ٱللَّهُ نَكَالَ ٱلْـَٔاخِرَةِ وَٱلْأُولَىٰٓ
	453	5738	79	26	6	19	1280	إِنَّ فِى ذَٰلِكَ لَعِبْرَةً لِّمَن يَخْشَىٰٓ
	454	5739	79	27	6	25	1046	ءَأَنتُمْ أَشَدُّ خَلْقًا أَمِ ٱلسَّمَآءُ ۚ بَنَىٰهَا
	455	5740	79	28	3	14	890	رَفَعَ سَمْكَهَا فَسَوَّىٰهَا
66	456	5738	79	26	6	19	1280	إِنَّ فِى ذَٰلِكَ لَعِبْرَةً لِّمَن يَخْشَىٰٓ
	457	5739	79	27	6	25	1046	ءَأَنتُمْ أَشَدُّ خَلْقًا أَمِ ٱلسَّمَآءُ ۚ بَنَىٰهَا
	458	5740	79	28	3	14	890	رَفَعَ سَمْكَهَا فَسَوَّىٰهَا
	459	5741	79	29	4	20	1074	وَأَغْطَشَ لَيْلَهَا وَأَخْرَجَ ضُحَىٰهَا
	460	5742	79	30	4	17	776	وَٱلْأَرْضَ بَعْدَ ذَٰلِكَ دَحَىٰهَآ
	461	5743	79	31	4	20	1035	أَخْرَجَ مِنْهَا مَآءَهَا وَمَرْعَىٰهَا
	462	5744	79	32	2	13	565	وَٱلْجِبَالَ أَرْسَىٰهَا
67	463	5822	81	22	3	15	823	وَمَا صَاحِبُكُم بِمَجْنُونٍ
	464	5823	81	23	4	20	1026	وَلَقَدْ رَءَاهُ بِٱلْأُفُقِ ٱلْمُبِينِ
	465	5824	81	24	5	18	1262	وَمَا هُوَ عَلَى ٱلْغَيْبِ بِضَنِينٍ
	466	5825	81	25	5	17	1194	وَمَا هُوَ بِقَوْلِ شَيْطَٰنٍ رَّجِيمٍ
	467	5826	81	26	2	10	609	فَأَيْنَ تَذْهَبُونَ
	468	5827	81	27	5	17	1124	إِنْ هُوَ إِلَّا ذِكْرٌ لِّلْعَٰلَمِينَ
	469	5828	81	28	5	18	1184	لِمَن شَآءَ مِنكُمْ أَن يَسْتَقِيمَ
68	470	5826	81	26	2	10	609	فَأَيْنَ تَذْهَبُونَ
	471	5827	81	27	5	17	1124	إِنْ هُوَ إِلَّا ذِكْرٌ لِّلْعَٰلَمِينَ
	472	5828	81	28	5	18	1184	لِمَن شَآءَ مِنكُمْ أَن يَسْتَقِيمَ
	473	5829	81	29	8	31	1603	وَمَا تَشَآءُونَ إِلَّا أَن يَشَآءَ ٱللَّهُ رَبُّ ٱلْعَٰلَمِينَ
	474	5830	82	1	3	15	498	إِذَا ٱلسَّمَآءُ ٱنفَطَرَتْ
	475	5831	82	2	3	17	626	وَإِذَا ٱلْكَوَاكِبُ ٱنتَثَرَتْ
	476	5832	82	3	3	14	378	وَإِذَا ٱلْبِحَارُ فُجِّرَتْ
69	477	5841	82	12	3	14	1051	يَعْلَمُونَ مَا تَفْعَلُونَ
	478	5842	82	13	4	16	864	إِنَّ ٱلْأَبْرَارَ لَفِى نَعِيمٍ
	479	5843	82	14	4	16	881	وَإِنَّ ٱلْفُجَّارَ لَفِى جَحِيمٍ
	480	5844	82	15	3	15	1143	يَصْلَوْنَهَا يَوْمَ ٱلدِّينِ
	481	5845	82	16	4	16	1031	وَمَا هُمْ عَنْهَا بِغَآئِبِينَ
	482	5846	82	17	5	18	1128	وَمَآ أَدْرَىٰكَ مَا يَوْمُ ٱلدِّينِ
	483	5847	82	18	6	19	1121	ثُمَّ مَآ أَدْرَىٰكَ مَا يَوْمُ ٱلدِّينِ
70	484	5851	83	3	5	24	1606	وَإِذَا كَالُوهُمْ أَو وَّزَنُوهُمْ يُخْسِرُونَ
	485	5852	83	4	5	22	1476	أَلَا يَظُنُّ أُو۟لَٰٓئِكَ أَنَّهُم مَّبْعُوثُونَ
	486	5853	83	5	2	8	698	لِيَوْمٍ عَظِيمٍ
	487	5854	83	6	5	22	1529	يَوْمَ يَقُومُ ٱلنَّاسُ لِرَبِّ ٱلْعَٰلَمِينَ
	488	5855	83	7	6	21	1061	كَلَّآ إِنَّ كِتَٰبَ ٱلْفُجَّارِ لَفِى سِجِّينٍ
	489	5856	83	8	4	14	773	وَمَآ أَدْرَىٰكَ مَا سِجِّينٌ
	490	5857	83	9	2	8	470	كِتَٰبٌ مَّرْقُومٌ
71	491	5864	83	16	4	18	1006	ثُمَّ إِنَّهُمْ لَصَالُوا۟ ٱلْجَحِيمِ
	492	5865	83	17	7	25	1386	ثُمَّ يُقَالُ هَٰذَا ٱلَّذِى كُنتُم بِهِۦ تُكَذِّبُونَ
	493	5866	83	18	6	23	1216	كَلَّآ إِنَّ كِتَٰبَ ٱلْأَبْرَارِ لَفِى عِلِّيِّينَ
	494	5867	83	19	4	15	972	وَمَآ أَدْرَىٰكَ مَا عِلِّيُّونَ
	495	5868	83	20	2	8	470	كِتَٰبٌ مَّرْقُومٌ
	496	5869	83	21	2	13	848	يَشْهَدُهُ ٱلْمُقَرَّبُونَ
	497	5870	83	22	4	16	864	إِنَّ ٱلْأَبْرَارَ لَفِى نَعِيمٍ
72	498	5870	83	22	4	16	864	إِنَّ ٱلْأَبْرَارَ لَفِى نَعِيمٍ
	499	5871	83	23	3	16	1047	عَلَى ٱلْأَرَآئِكِ يَنظُرُونَ
	500	5872	83	24	5	22	1565	تَعْرِفُ فِى وُجُوهِهِمْ نَضْرَةَ ٱلنَّعِيمِ
	501	5873	83	25	4	16	1128	يُسْقَوْنَ مِن رَّحِيقٍ مَّخْتُومٍ
	502	5874	83	26	6	30	1940	خِتَٰمُهُۥ مِسْكٌ ۚ وَفِى ذَٰلِكَ فَلْيَتَنَافَسِ

ٱلْمُتَنَٰفِسُونَ

	503	5875	83	27	3	13	858	وَمِزَاجُهُۥ مِن تَسۡنِيمٍ
	504	5876	83	28	4	19	1032	عَيۡنٗا يَشۡرَبُ بِهَا ٱلۡمُقَرَّبُونَ
73	505	5885	84	1	3	14	459	إِذَا ٱلسَّمَآءُ ٱنشَقَّتۡ
	506	5886	84	2	3	14	642	وَأَذِنَتۡ لِرَبِّهَا وَحُقَّتۡ
	507	5887	84	3	3	12	406	وَإِذَا ٱلۡأَرۡضُ مُدَّتۡ
	508	5888	84	4	4	16	851	وَأَلۡقَتۡ مَا فِيهَا وَتَخَلَّتۡ
	509	5889	84	5	3	14	642	وَأَذِنَتۡ لِرَبِّهَا وَحُقَّتۡ
	510	5890	84	6	8	34	1868	يَـٰٓأَيُّهَا ٱلۡإِنسَٰنُ إِنَّكَ كَادِحٌ إِلَىٰ رَبِّكَ كَدۡحٗا فَمُلَٰقِيهِ
	511	5891	84	7	5	20	1259	فَأَمَّا مَنۡ أُوتِىَ كِتَٰبَهُۥ بِيَمِينِهِۦ
74	512	5891	84	7	5	20	1259	فَأَمَّا مَنۡ أُوتِىَ كِتَٰبَهُۥ بِيَمِينِهِۦ
	513	5892	84	8	4	19	783	فَسَوۡفَ يُحَاسَبُ حِسَابٗا يَسِيرٗا
	514	5893	84	9	4	19	1234	وَيَنقَلِبُ إِلَىٰٓ أَهۡلِهِۦ مَسۡرُورٗا
	515	5894	84	10	6	22	1212	وَأَمَّا مَنۡ أُوتِىَ كِتَٰبَهُۥ وَرَآءَ ظَهۡرِهِۦ
	516	5895	84	11	3	14	718	فَسَوۡفَ يَدۡعُوا۟ ثُبُورٗا
	517	5896	84	12	2	10	679	وَيَصۡلَىٰ سَعِيرًا
	518	5897	84	13	5	18	1132	إِنَّهُۥ كَانَ فِىٓ أَهۡلِهِۦ مَسۡرُورًا
75	519	5892	84	8	4	19	783	فَسَوۡفَ يُحَاسَبُ حِسَابٗا يَسِيرٗا
	520	5893	84	9	4	19	1234	وَيَنقَلِبُ إِلَىٰٓ أَهۡلِهِۦ مَسۡرُورٗا
	521	5894	84	10	6	22	1212	وَأَمَّا مَنۡ أُوتِىَ كِتَٰبَهُۥ وَرَآءَ ظَهۡرِهِۦ
	522	5895	84	11	3	14	718	فَسَوۡفَ يَدۡعُوا۟ ثُبُورٗا
	523	5896	84	12	2	10	679	وَيَصۡلَىٰ سَعِيرًا
	524	5897	84	13	5	18	1132	إِنَّهُۥ كَانَ فِىٓ أَهۡلِهِۦ مَسۡرُورًا
	525	5898	84	14	5	13	887	إِنَّهُۥ ظَنَّ أَن لَّن يَحُورَ
76	526	5897	84	13	5	18	1132	إِنَّهُۥ كَانَ فِىٓ أَهۡلِهِۦ مَسۡرُورًا
	527	5898	84	14	5	13	887	إِنَّهُۥ ظَنَّ أَن لَّن يَحُورَ
	528	5899	84	15	6	18	891	بَلَىٰٓ إِنَّ رَبَّهُۥ كَانَ بِهِۦ بَصِيرٗا
	529	5900	84	16	3	13	630	فَلَآ أُقۡسِمُ بِٱلشَّفَقِ
	530	5901	84	17	3	11	785	وَٱلَّيۡلِ وَمَا وَسَقَ
	531	5902	84	18	3	13	523	وَٱلۡقَمَرِ إِذَا ٱتَّسَقَ
	532	5903	84	19	4	15	714	لَتَرۡكَبُنَّ طَبَقًا عَن طَبَقٍ
77	533	5899	84	15	6	18	891	بَلَىٰٓ إِنَّ رَبَّهُۥ كَانَ بِهِۦ بَصِيرٗا
	534	5900	84	16	3	13	630	فَلَآ أُقۡسِمُ بِٱلشَّفَقِ
	535	5901	84	17	3	11	785	وَٱلَّيۡلِ وَمَا وَسَقَ
	536	5902	84	18	3	13	523	وَٱلۡقَمَرِ إِذَا ٱتَّسَقَ
	537	5903	84	19	4	15	714	لَتَرۡكَبُنَّ طَبَقًا عَن طَبَقٍ
	538	5904	84	20	4	14	1116	فَمَا لَهُمۡ لَا يُؤۡمِنُونَ
	539	5905	84	21	6	27	1526	۩ وَإِذَا قُرِئَ عَلَيۡهِمُ ٱلۡقُرۡءَانُ لَا يَسۡجُدُونَ
78	540	5911	85	2	2	13	947	وَٱلۡيَوۡمِ ٱلۡمَوۡعُودِ
	541	5912	85	3	2	11	722	وَشَاهِدٖ وَمَشۡهُودٖ
	542	5913	85	4	3	14	467	قُتِلَ أَصۡحَٰبُ ٱلۡأُخۡدُودِ
	543	5914	85	5	3	14	626	ٱلنَّارِ ذَاتِ ٱلۡوَقُودِ
	544	5915	85	6	4	13	825	إِذۡ هُمۡ عَلَيۡهَا قُعُودٞ
	545	5916	85	7	6	27	2091	وَهُمۡ عَلَىٰ مَا يَفۡعَلُونَ بِٱلۡمُؤۡمِنِينَ شُهُودٞ
	546	5917	85	8	9	40	2521	وَمَا نَقَمُوا۟ مِنۡهُمۡ إِلَّآ أَن يُؤۡمِنُوا۟ بِٱللَّهِ ٱلۡعَزِيزِ ٱلۡحَمِيدِ
79	547	5933	86	2	4	16	763	وَمَآ أَدۡرَىٰكَ مَا ٱلطَّارِقُ
	548	5934	86	3	2	11	452	ٱلنَّجۡمُ ٱلثَّاقِبُ
	549	5935	86	4	6	19	1139	إِن كُلُّ نَفۡسٖ لَّمَّا عَلَيۡهَا حَافِظٞ
	550	5936	86	5	4	17	1115	فَلۡيَنظُرِ ٱلۡإِنسَٰنُ مِمَّ خُلِقَ
	551	5937	86	6	4	12	616	خُلِقَ مِن مَّآءٖ دَافِقٖ
	552	5938	86	7	5	22	1105	يَخۡرُجُ مِنۢ بَيۡنِ ٱلصُّلۡبِ وَٱلتَّرَآئِبِ
	553	5939	86	8	4	15	859	إِنَّهُۥ عَلَىٰ رَجۡعِهِۦ لَقَادِرٞ
80	554	5936	86	5	4	17	1115	فَلۡيَنظُرِ ٱلۡإِنسَٰنُ مِمَّ خُلِقَ
	555	5937	86	6	4	12	616	خُلِقَ مِن مَّآءٖ دَافِقٖ
	556	5938	86	7	5	22	1105	يَخۡرُجُ مِنۢ بَيۡنِ ٱلصُّلۡبِ وَٱلتَّرَآئِبِ
	557	5939	86	8	4	15	859	إِنَّهُۥ عَلَىٰ رَجۡعِهِۦ لَقَادِرٞ
	558	5940	86	9	3	14	786	يَوۡمَ تُبۡلَى ٱلسَّرَآئِرُ
	559	5941	86	10	6	17	1168	فَمَا لَهُۥ مِن قُوَّةٖ وَلَا نَاصِرٖ
	560	5942	86	11	3	15	533	وَٱلسَّمَآءِ ذَاتِ ٱلرَّجۡعِ
81	561	5961	87	13	6	19	1288	ثُمَّ لَا يَمُوتُ فِيهَا وَلَا يَحۡيَىٰ
	562	5962	87	14	4	12	669	قَدۡ أَفۡلَحَ مَن تَزَكَّىٰ
	563	5963	87	15	4	14	799	وَذَكَرَ ٱسۡمَ رَبِّهِۦ فَصَلَّىٰ
	564	5964	87	16	4	20	1149	بَلۡ تُؤۡثِرُونَ ٱلۡحَيَوٰةَ ٱلدُّنۡيَا
	565	5965	87	17	3	16	779	وَٱلۡءَاخِرَةُ خَيۡرٞ وَأَبۡقَىٰٓ
	566	5966	87	18	5	19	1078	إِنَّ هَٰذَا لَفِى ٱلصُّحُفِ ٱلۡأُولَىٰ
	567	5967	87	19	3	14	897	صُحُفِ إِبۡرَٰهِيمَ وَمُوسَىٰ
82	568	5984	88	17	6	25	1450	أَفَلَا يَنظُرُونَ إِلَى ٱلۡإِبِلِ كَيۡفَ خُلِقَتۡ
	569	5985	88	18	4	17	932	وَإِلَى ٱلسَّمَآءِ كَيۡفَ رُفِعَتۡ
	570	5986	88	19	4	17	884	وَإِلَى ٱلۡجِبَالِ كَيۡفَ نُصِبَتۡ

	571	5987	88	20	4	16	823	وَإِلَى ٱلْأَرْضِ كَيْفَ سُطِحَتْ
	572	5988	88	21	4	15	716	فَذَكِّرْ إِنَّمَآ أَنتَ مُذَكِّرٌ
	573	5989	88	22	3	14	890	لَّسْتَ عَلَيْهِم بِمُصَيْطِرٍ
	574	5990	88	23	4	13	853	إِلَّا مَن تَوَلَّىٰ وَكَفَرَ
83	575	6000	89	7	3	12	406	إِرَمَ ذَاتِ ٱلْعِمَادِ
	576	6001	89	8	6	22	1299	ٱلَّتِى لَمْ يُخْلَقْ مِثْلُهَا فِى ٱلْبِلَٰدِ
	577	6002	89	9	5	26	1140	وَثَمُودَ ٱلَّذِينَ جَابُوا۟ ٱلصَّخْرَ بِٱلْوَادِ
	578	6003	89	10	3	15	810	وَفِرْعَوْنَ ذِى ٱلْأَوْتَادِ
	579	6004	89	11	4	16	905	ٱلَّذِينَ طَغَوْا۟ فِى ٱلْبِلَٰدِ
	580	6005	89	12	3	17	788	فَأَكْثَرُوا۟ فِيهَا ٱلْفَسَادَ
	581	6006	89	13	5	18	951	فَصَبَّ عَلَيْهِمْ رَبُّكَ سَوْطَ عَذَابٍ
84	582	6001	89	8	6	22	1299	ٱلَّتِى لَمْ يُخْلَقْ مِثْلُهَا فِى ٱلْبِلَٰدِ
	583	6002	89	9	5	26	1140	وَثَمُودَ ٱلَّذِينَ جَابُوا۟ ٱلصَّخْرَ بِٱلْوَادِ
	584	6003	89	10	3	15	810	وَفِرْعَوْنَ ذِى ٱلْأَوْتَادِ
	585	6004	89	11	4	16	905	ٱلَّذِينَ طَغَوْا۟ فِى ٱلْبِلَٰدِ
	586	6005	89	12	3	17	788	فَأَكْثَرُوا۟ فِيهَا ٱلْفَسَادَ
	587	6006	89	13	5	18	951	فَصَبَّ عَلَيْهِمْ رَبُّكَ سَوْطَ عَذَابٍ
	588	6007	89	14	3	14	563	إِنَّ رَبَّكَ لَبِٱلْمِرْصَادِ
85	589	6026	90	3	3	11	709	وَوَالِدٍ وَمَا وَلَدَ
	590	6027	90	4	5	19	1044	لَقَدْ خَلَقْنَا ٱلْإِنسَٰنَ فِى كَبَدٍ
	591	6028	90	5	6	20	1055	أَيَحْسَبُ أَن لَّن يَقْدِرَ عَلَيْهِ أَحَدٌ
	592	6029	90	6	4	17	919	يَقُولُ أَهْلَكْتُ مَالًا لُّبَدًا
	593	6030	90	7	5	15	704	أَيَحْسَبُ أَن لَّمْ يَرَهُۥ أَحَدٌ
	594	6031	90	8	4	14	1079	أَلَمْ نَجْعَل لَّهُۥ عَيْنَيْنِ
	595	6032	90	9	2	12	748	وَلِسَانًا وَشَفَتَيْنِ
86	596	6040	90	17	9	46	2360	ثُمَّ كَانَ مِنَ ٱلَّذِينَ ءَامَنُوا۟ وَتَوَاصَوْا۟ بِٱلصَّبْرِ وَتَوَاصَوْا۟ بِٱلْمَرْحَمَةِ
	597	6041	90	18	3	16	1003	أُو۟لَٰٓئِكَ أَصْحَٰبُ ٱلْمَيْمَنَةِ
	598	6042	90	19	6	29	1571	وَٱلَّذِينَ كَفَرُوا۟ بِـَٔايَٰتِنَا هُمْ أَصْحَٰبُ ٱلْمَشْـَٔمَةِ
	599	6043	90	20	3	13	924	عَلَيْهِمْ نَارٌ مُّؤْصَدَةٌۢ
	600	6044	91	1	2	12	728	وَٱلشَّمْسِ وَضُحَىٰهَا
	601	6045	91	2	3	14	704	وَٱلْقَمَرِ إِذَا تَلَىٰهَا
	602	6046	91	3	3	15	748	وَٱلنَّهَارِ إِذَا جَلَّىٰهَا
87	603	6054	91	11	3	15	764	كَذَّبَتْ ثَمُودُ بِطَغْوَىٰهَآ
	604	6055	91	12	3	13	521	إِذِ ٱنۢبَعَثَ أَشْقَىٰهَا
	605	6056	91	13	7	29	1988	فَقَالَ لَهُمْ رَسُولُ ٱللَّهِ نَاقَةَ ٱللَّهِ وَسُقْيَٰهَا
	606	6057	91	14	7	39	2507	فَكَذَّبُوهُ فَعَقَرُوهَا فَدَمْدَمَ عَلَيْهِمْ رَبُّهُم بِذَنۢبِهِمْ فَسَوَّىٰهَا
	607	6058	91	15	3	12	625	وَلَا يَخَافُ عُقْبَٰهَا
	608	6059	92	1	3	12	727	وَٱلَّيْلِ إِذَا يَغْشَىٰ
	609	6060	92	2	3	14	650	وَٱلنَّهَارِ إِذَا تَجَلَّىٰ
88	610	6098	94	8	3	12	578	وَإِلَىٰ رَبِّكَ فَٱرْغَب
	611	6099	95	1	2	14	928	وَٱلتِّينِ وَٱلزَّيْتُونِ
	612	6100	95	2	2	9	733	وَطُورِ سِينِينَ
	613	6101	95	3	3	15	799	وَهَٰذَا ٱلْبَلَدِ ٱلْأَمِينِ
	614	6102	95	4	6	25	1469	لَقَدْ خَلَقْنَا ٱلْإِنسَٰنَ فِىٓ أَحْسَنِ تَقْوِيمٍ
	615	6103	95	5	4	16	949	ثُمَّ رَدَدْنَٰهُ أَسْفَلَ سَٰفِلِينَ
	616	6104	95	6	9	41	2427	إِلَّا ٱلَّذِينَ ءَامَنُوا۟ وَعَمِلُوا۟ ٱلصَّٰلِحَٰتِ فَلَهُمْ أَجْرٌ غَيْرُ مَمْنُونٍ
89	617	6115	96	9	3	13	771	أَرَءَيْتَ ٱلَّذِى يَنْهَىٰ
	618	6116	96	10	3	10	345	عَبْدًا إِذَا صَلَّىٰٓ
	619	6117	96	11	5	18	984	أَرَءَيْتَ إِن كَانَ عَلَى ٱلْهُدَىٰٓ
	620	6118	96	12	3	12	601	أَوْ أَمَرَ بِٱلتَّقْوَىٰٓ
	621	6119	96	13	4	15	749	أَرَءَيْتَ إِن كَذَّبَ وَتَوَلَّىٰٓ
	622	6120	96	14	5	17	1128	أَلَمْ يَعْلَم بِأَنَّ ٱللَّهَ يَرَىٰ
	623	6121	96	15	6	26	1722	كَلَّا لَئِن لَّمْ يَنتَهِ لَنَسْفَعًۢا بِٱلنَّاصِيَةِ
90	624	6116	96	10	3	10	345	عَبْدًا إِذَا صَلَّىٰٓ
	625	6117	96	11	5	18	984	أَرَءَيْتَ إِن كَانَ عَلَى ٱلْهُدَىٰٓ
	626	6118	96	12	3	12	601	أَوْ أَمَرَ بِٱلتَّقْوَىٰٓ
	627	6119	96	13	4	15	749	أَرَءَيْتَ إِن كَذَّبَ وَتَوَلَّىٰٓ
	628	6120	96	14	5	17	1128	أَلَمْ يَعْلَم بِأَنَّ ٱللَّهَ يَرَىٰ
	629	6121	96	15	6	26	1722	كَلَّا لَئِن لَّمْ يَنتَهِ لَنَسْفَعًۢا بِٱلنَّاصِيَةِ
	630	6122	96	16	3	14	836	نَاصِيَةٍ كَٰذِبَةٍ خَاطِئَةٍ
91	631	6142	99	4	3	16	629	يَوْمَئِذٍ تُحَدِّثُ أَخْبَارَهَا
	632	6143	99	5	4	13	624	بِأَنَّ رَبَّكَ أَوْحَىٰ لَهَا
	633	6144	99	6	6	31	1654	يَوْمَئِذٍ يَصْدُرُ ٱلنَّاسُ أَشْتَاتًا لِّيُرَوْا۟ أَعْمَٰلَهُمْ
	634	6145	99	7	6	22	1396	فَمَن يَعْمَلْ مِثْقَالَ ذَرَّةٍ خَيْرًا يَرَهُۥ
	635	6146	99	8	6	21	1345	وَمَن يَعْمَلْ مِثْقَالَ ذَرَّةٍ شَرًّا يَرَهُۥ
	636	6147	100	1	2	11	445	وَٱلْعَٰدِيَٰتِ ضَبْحًا

	637	6148	100	2	2	12	596	فَٱلْمُورِيَٰتِ قَدْحًا
92	638	6150	100	4	3	11	543	فَأَثَرْنَ بِهِ ۦ نَقْعًا
	639	6151	100	5	3	11	628	فَوَسَطْنَ بِهِ ۦ جَمْعًا
	640	6152	100	6	4	17	1014	إِنَّ ٱلْإِنسَٰنَ لِرَبِّهِ ۦ لَكَنُودٌ
	641	6153	100	7	4	15	1090	وَإِنَّهُ ۥ عَلَىٰ ذَٰلِكَ لَشَهِيدٌ
	642	6154	100	8	4	17	909	وَإِنَّهُ ۥ لِحُبِّ ٱلْخَيْرِ لَشَدِيدٌ
	643	6155	100	9	7	25	1187	۞ أَفَلَا يَعْلَمُ إِذَا بُعْثِرَ مَا فِى ٱلْقُبُورِ
	644	6156	100	10	4	14	790	وَحُصِّلَ مَا فِى ٱلصُّدُورِ
93	645	6152	100	6	4	17	1014	إِنَّ ٱلْإِنسَٰنَ لِرَبِّهِ ۦ لَكَنُودٌ
	646	6153	100	7	4	15	1090	وَإِنَّهُ ۥ عَلَىٰ ذَٰلِكَ لَشَهِيدٌ
	647	6154	100	8	4	17	909	وَإِنَّهُ ۥ لِحُبِّ ٱلْخَيْرِ لَشَدِيدٌ
	648	6155	100	9	7	25	1187	۞ أَفَلَا يَعْلَمُ إِذَا بُعْثِرَ مَا فِى ٱلْقُبُورِ
	649	6156	100	10	4	14	790	وَحُصِّلَ مَا فِى ٱلصُّدُورِ
	650	6157	100	11	5	19	1182	إِنَّ رَبَّهُم بِهِمْ يَوْمَئِذٍ لَّخَبِيرٌ
	651	6158	101	1	1	7	351	ٱلْقَارِعَةُ
94	652	6174	102	6	2	11	622	لَتَرَوُنَّ ٱلْجَحِيمَ
	653	6175	102	7	4	18	1250	ثُمَّ لَتَرَوُنَّهَا عَيْنَ ٱلْيَقِينِ
	654	6176	102	8	5	20	1427	ثُمَّ لَتُسْـَٔلُنَّ يَوْمَئِذٍ عَنِ ٱلنَّعِيمِ
	655	6177	103	1	1	6	321	وَٱلْعَصْرِ
	656	6178	103	2	4	14	761	إِنَّ ٱلْإِنسَٰنَ لَفِى خُسْرٍ
	657	6179	103	3	9	51	2422	إِلَّا ٱلَّذِينَ ءَامَنُوا۟ وَعَمِلُوا۟ ٱلصَّٰلِحَٰتِ وَتَوَاصَوْا۟ بِٱلْحَقِّ وَتَوَاصَوْا۟ بِٱلصَّبْرِ
	658	6180	104	1	4	14	1164	وَيْلٌ لِّكُلِّ هُمَزَةٍ لُّمَزَةٍ
95	659	6184	104	5	4	16	862	وَمَآ أَدْرَىٰكَ مَا ٱلْحُطَمَةُ
	660	6185	104	6	3	14	867	نَارُ ٱللَّهِ ٱلْمُوقَدَةُ
	661	6186	104	7	4	17	928	ٱلَّتِى تَطَّلِعُ عَلَى ٱلْأَفْـِٔدَةِ
	662	6187	104	8	3	14	998	إِنَّهَا عَلَيْهِم مُّؤْصَدَةٌ
	663	6188	104	9	3	10	664	فِى عَمَدٍ مُّمَدَّدَةٍ
	664	6189	105	1	7	24	1201	أَلَمْ تَرَ كَيْفَ فَعَلَ رَبُّكَ بِأَصْحَٰبِ ٱلْفِيلِ
	665	6190	105	2	5	19	1334	أَلَمْ يَجْعَلْ كَيْدَهُمْ فِى تَضْلِيلٍ
96	666	6185	104	6	3	14	867	نَارُ ٱللَّهِ ٱلْمُوقَدَةُ
	667	6186	104	7	4	17	928	ٱلَّتِى تَطَّلِعُ عَلَى ٱلْأَفْـِٔدَةِ
	668	6187	104	8	3	14	998	إِنَّهَا عَلَيْهِم مُّؤْصَدَةٌ
	669	6188	104	9	3	10	664	فِى عَمَدٍ مُّمَدَّدَةٍ
	670	6189	105	1	7	24	1201	أَلَمْ تَرَ كَيْفَ فَعَلَ رَبُّكَ بِأَصْحَٰبِ ٱلْفِيلِ
	671	6190	105	2	5	19	1334	أَلَمْ يَجْعَلْ كَيْدَهُمْ فِى تَضْلِيلٍ
	672	6191	105	3	4	20	1086	وَأَرْسَلَ عَلَيْهِمْ طَيْرًا أَبَابِيلَ
97	673	6187	104	8	3	14	998	إِنَّهَا عَلَيْهِم مُّؤْصَدَةٌ
	674	6188	104	9	3	10	664	فِى عَمَدٍ مُّمَدَّدَةٍ
	675	6189	105	1	7	24	1201	أَلَمْ تَرَ كَيْفَ فَعَلَ رَبُّكَ بِأَصْحَٰبِ ٱلْفِيلِ
	676	6190	105	2	5	19	1334	أَلَمْ يَجْعَلْ كَيْدَهُمْ فِى تَضْلِيلٍ
	677	6191	105	3	4	20	1086	وَأَرْسَلَ عَلَيْهِمْ طَيْرًا أَبَابِيلَ
	678	6192	105	4	4	18	1003	تَرْمِيهِم بِحِجَارَةٍ مِّن سِجِّيلٍ
	679	6193	105	5	3	15	1026	فَجَعَلَهُمْ كَعَصْفٍ مَّأْكُولٍ
98	680	6189	105	1	7	24	1201	أَلَمْ تَرَ كَيْفَ فَعَلَ رَبُّكَ بِأَصْحَٰبِ ٱلْفِيلِ
	681	6190	105	2	5	19	1334	أَلَمْ يَجْعَلْ كَيْدَهُمْ فِى تَضْلِيلٍ
	682	6191	105	3	4	20	1086	وَأَرْسَلَ عَلَيْهِمْ طَيْرًا أَبَابِيلَ
	683	6192	105	4	4	18	1003	تَرْمِيهِم بِحِجَارَةٍ مِّن سِجِّيلٍ
	684	6193	105	5	3	15	1026	فَجَعَلَهُمْ كَعَصْفٍ مَّأْكُولٍ
	685	6194	106	1	2	9	596	لِإِيلَٰفِ قُرَيْشٍ
	686	6195	106	2	4	21	1115	إِۦلَٰفِهِمْ رِحْلَةَ ٱلشِّتَآءِ وَٱلصَّيْفِ
99	687	6206	108	2	3	12	635	فَصَلِّ لِرَبِّكَ وَٱنْحَرْ
	688	6207	108	3	4	15	753	إِنَّ شَانِئَكَ هُوَ ٱلْأَبْتَرُ
	689	6208	109	1	3	14	939	قُلْ يَٰٓأَيُّهَا ٱلْكَٰفِرُونَ
	690	6209	109	2	4	14	549	لَآ أَعْبُدُ مَا تَعْبُدُونَ
	691	6210	109	3	5	18	840	وَلَآ أَنتُمْ عَٰبِدُونَ مَآ أَعْبُدُ
	692	6211	109	4	5	17	642	وَلَآ أَنَا۠ عَابِدٌ مَّا عَبَدتُّمْ
	693	6212	109	5	5	18	840	وَلَآ أَنتُمْ عَٰبِدُونَ مَآ أَعْبُدُ
100	694	6217	111	1	5	15	551	تَبَّتْ يَدَآ أَبِى لَهَبٍ وَتَبَّ
	695	6218	111	2	6	19	1211	مَآ أَغْنَىٰ عَنْهُ مَالُهُ ۥ وَمَا كَسَبَ
	696	6219	111	3	4	15	724	سَيَصْلَىٰ نَارًا ذَاتَ لَهَبٍ
	697	6220	111	4	3	17	773	وَٱمْرَأَتُهُ ۥ حَمَّالَةَ ٱلْحَطَبِ
	698	6221	111	5	5	15	848	فِى جِيدِهَا حَبْلٌ مِّن مَّسَدٍ
	699	6222	112	1	4	11	663	قُلْ هُوَ ٱللَّهُ أَحَدٌ
	700	6223	112	2	2	9	505	ٱللَّهُ ٱلصَّمَدُ
101	701	6223	112	2	2	9	505	ٱللَّهُ ٱلصَّمَدُ
	702	6224	112	3	4	12	968	لَمْ يَلِدْ وَلَمْ يُولَدْ
	703	6225	112	4	5	15	1031	وَلَمْ يَكُن لَّهُ ۥ كُفُوًا أَحَدٌۢ
	704	6226	113	1	4	14	692	قُلْ أَعُوذُ بِرَبِّ ٱلْفَلَقِ
	705	6227	113	2	4	9	520	مِن شَرِّ مَا خَلَقَ

```
       706   6228   113   3   5   15    744   وَمِن شَرِّ غَاسِقٍ إِذَا وَقَبَ
       707   6229   113   4   5   18   1040   وَمِن شَرِّ ٱلنَّفَّٰثَٰتِ فِى ٱلْعُقَدِ
102    708   6226   113   1   4   14    692   قُلْ أَعُوذُ بِرَبِّ ٱلْفَلَقِ
       709   6227   113   2   4    9    520   مِن شَرِّ مَا خَلَقَ
       710   6228   113   3   5   15    744   وَمِن شَرِّ غَاسِقٍ إِذَا وَقَبَ
       711   6229   113   4   5   18   1040   وَمِن شَرِّ ٱلنَّفَّٰثَٰتِ فِى ٱلْعُقَدِ
       712   6230   113   5   5   15    526   وَمِن شَرِّ حَاسِدٍ إِذَا حَسَدَ
       713   6231   114   1   4   14    601   قُلْ أَعُوذُ بِرَبِّ ٱلنَّاسِ
       714   6232   114   2   2    8    472   مَٰلِكِ ٱلنَّاسِ
-------------------------------------------------------------------------------
Sum  255255 3704841 49057 25606 2958 12592 734128
-------------------------------------------------------------------------------
```


```
---------------
777 in the Quran
---------------
```

Pattern 777a:

Sum of the numbers of the last 7 chapters of the Quran = 777

```
       -------------------------------
       #      Name        C     V
       -------------------------------
       1     الكوثر       108    3
       2     الكافرون     109    6
       3     النصر        110    3
       4     المسد        111    5
       5     الإخلاص      112    4
       6     الفلق        113    5
       7     الناس        114    6
       -------------------------------
       Sum                777   32
```

Pattern 777b:

Middle chapter 114 ÷ 2 = 57 ends part 27 out of 30 in the Quran.
Part 27 starts at verse 51:31 and end at verse 57:29 covering 7 chapters:

```
       ---------------------------------------
       #     C     V in part 27
       ---------------------------------------
       1     51    30
       2     52    49
       3     53    62
       4     54    55
       5     55    78
       6     56    96
       7     57    29
       ---------------------------------------
       Sum   378   399   = 378 + 399 = 777
```

Pattern 777c:

Middle verse = 6236 ÷ 2 = 3118 = 27:186 = [وَمَآ أَنتَ إِلَّا بَشَرٌ مِّثْلُنَا وَإِن نَّظُنُّكَ لَمِنَ ٱلْكَٰذِبِينَ]
There are 8 repeated verses in chapter 27:   [وَإِنَّ رَبَّكَ لَهُوَ ٱلْعَزِيزُ ٱلرَّحِيمُ]
7 repetitions before the middle verse: 9, 68, 104, 122, 140, 159, 175 with Sum = 777
1 repetition after the middle verse: 191

Pattern 777d:

The sum of verses divisible by their chapter numbers is 777

```
       -------------------
       C     V     V÷C
       -------------------
       1     7     7
       2     286   143
       4     176   44
       5     120   24
       16    128   8
       30    60    2
       -------------------
   Sum 58    777   228
       -------------------
```

```
      The sum of chapter numbers divisible by their verses is 439 where AC439 = 777
      -------------------
      C     V     C÷V
      -------------------
      105   5     21
      108   3     36
      112   4     28
      114   6     19
      -------------------
  Sum  439   18    104
```

   Note 1: Sum of proper divisors of 777 = 1+3+7+21+37+111+259 = 439

   Note 2: 777 = AC439 where 439 = XP37   [pattern 37a note 16a]

DEFINITIONS for Pattern 1729

Brahmagupta-Fibonacci Identity:
    http://en.wikipedia.org/wiki/Brahmagupta%E2%80%93Fibonacci_identity
    "The product of two sums each of two squares is itself a sum of two squares."
    (a^2 + b^2) (c^2 + d^2) = (ac + bd)^2 + (ad - bc)^2
                        or = (ac - bd)^2 + (ad + bc)^2

Modular Arithmetic
    http://en.wikipedia.org/wiki/Modular_arithmetic
    For any positive integer n, two integers a and b are congruent modulo n if (a − b)
    is multiple of n called the modulus of the congruence.

    a ≡ b (mod n)

    Examples:
    38 ≡ 14 (mod 12) because 38 − 14 = 24 and 24 is multiple of 12.
    −8 ≡ 7 (mod 5) because −8 − 7 = −15 and −15 is multiple of 5.

Fermat's Little Theorem
    http://en.wikipedia.org/wiki/Fermat%27s_little_theorem
    If p is a prime number, then for any integer a, a^p − a is multiple of p.

    a^p ≡ a (mod p)

    If a is not divisible by p (i.e. a and p are coprimes), then:

    a^(p−1) ≡ 1 (mod p)

    Example: if a = 2 and p = 7 then 2^(7−1) = 2^6 = 64 and 64 mod 7 = 1.

Carmichael Numbers or Fermat Pseudoprimes
    http://en.wikipedia.org/wiki/Carmichael_number
    A composite number n which satisfies the modular arithmetic congruence relation:

    b^n − 1 ≡ 1 (mod n) for all integers 1 < b < n which are relatively prime to n.

    Carmichael numbers are annoying because they pass the Fermat primality test
    but are not actually prime.
    http://oeis.org/A002997

    This first few Carmichael numbers:
     561 = 3×11×17 is square-free and (2| 560 ; 10| 560 ; 16| 560)
    1105 = 5×13×17 is square-free and (4|1104 ; 12|1104 ; 16|1104)
    1729 = 7×13×19 is square-free and (6|1728 ; 12|1728 ; 18|1728)
    2465 = 5×17×29 is square-free and (4|2464 ; 16|2464 ; 28|2464)
    2821 = 7×13×31 is square-free and (6|2820 ; 12|2820 ; 30|2820)
```

```
--------------------------------------------
Pattern 1729:
--------------------------------------------
```

Quran's chapter 1 has 7 verses with 29 words

Pattern 1729a:
       1729 is the 449th non-additive composite.   [pattern 449]

Pattern 1729b:
       Ramanujan number (taxicab numbers):
       The smallest number as the sum of two positive cubes in two different ways:
       $1729 = 1^3 + 12^3$
       $1729 = 9^3 + 10^3$
   Note 1:
       $1729 = 1^3 + 6^3 + 8^3 + 10^3$
       $1729 = 1^3 + 3^3 + 4^3 + 5^3 + 8^3 + 10^3$

Pattern 1729c:
       1729 can be expressed as the difference of two squares in two different ways:
       $1729 = 73^2 - 60^2$
       $1729 = 55^2 - 36^2$
   Note 1:
       $1729 = 127^2 - 120^2$
       $1729 = 865^2 - 864^2$

Pattern 1729d:
       Masahiko Fujiwara showed that 1729 is one of four positive integers (1, 81, 1458)
        which is the product of its digit sum times the reversal of its digit sum:
       Digit sum of $1729 = 1+7+2+9 = 19$
       $1729 = 19×91$
  Note 1:
       91 is the smallest number which can be expressed as the sum of two cubes
        in two different ways:
       $91 = 6^3 + (-5)^3 = 4^3 + 3^3$

Pattern 1729e:
       Brown Numbers: http://mathworld.wolfram.com/BrownNumbers.html
       Brocard's Problem: http://mathworld.wolfram.com/BrocardsProblem.html

       Brown numbers are pairs (m, n) of integers satisfying the Brocard's problem:
       $n! + 1 = m^2$

       Only three Brown pairs of numbers are known: (5, 4), (11, 5), (71, 7)
       The average of the squares of the greatest number in each pair of the Brown numbers
        equals 1729.

       $1729 = (5^2 + 11^2 + 71^2) ÷ 3$

Pattern 1729f:
       1729 is the first absolute Euler pseudoprime.
       An absolute Euler pseudoprime is Euler pseudoprimes to any base coprime to itself.
       An odd composite integer n is an Euler pseudoprime to base b, if a and n are
       coprime, and $b ^ (n-1)÷2 ≡ ±1 (mod n)$.

Pattern 1729g:
       1729 is a sphenic number,
       1729 is a centered cube number,
       1729 is a 12-gonal number,
       1729 is a 24-gonal and
       1729 is a 84-gonal number.

Pattern 1729h:
       Divisible by the sum of its digits in base-10 (1+7+2+9 = 19) [Harshad number].

       Divisible by the sum of its digits in base-8: (3301, 3+3+0+1 = 7).

       Divisible by the sum of its digits in base-16: (6C1, 6+C+1   = 19).

       Indivisible in base-2.

Pattern 1729i:
> The 1729th decimal place is the beginning of the first consecutive occurrence of
> all ten digits without repetition in the decimal representation of Euler's number.

Euler's number e:
2.7182818284590452353602874713526624977572470936999595749669676277240766303535475945971382
1785251664274274663919320030599218174135966290435729003342952605956307381323286279434 9076
3233829880753195251019011573834187930702154089149934884167509244761460668082264800168 4774
1185374234544243710753907774499206955170276183860626133138458300075204493382656029760 6737
1132007093287091274437470472306969772093101416928368190255151086574637721112523897844 2505
6953696770785449969967946864454905987931636889230098793127736178215424999229576351482 2082
6989519366803318252886939849646510582093923982948879332036250944311730123819706841614 0397
0198376793206832823764648042953118023287825098194558153017567173613320698112509961818 8159
3041690351598888519345807273866738589422879228499892086805825749279610484198444363463 2449
6848756023362482704197862320900021609902353043699418491463140934317381436405462531520 96183
6908887070167683964243781405927145635490613031072085103837505101157477041718986106873 9696
5521267154688957035035402123407849819334321068170121005627880235193033224745015853904 7304
1995777709350366041699732972508866876966403555707162268447162560798826517871341951246 65201
0305921236677194325278675398558944896970964097545918569563802363701621120477427228364 8961
3422516445078182442352948636372141740238893441247963574370263755294448337998016125492 2785
0925778256209262264832627793333865664816277251640191059004916449982889315056604725802 778631
8641551956532442586982946959308019152987211725563475463964479101459040905862984967912 8740
6870504895858671747985466775757320568128845920541334053922000113786300945560688166740 0169
8420558040336379537645203040243225661352783695117788386387443966253224985065499588623 4281
899707733276171783928034946501434558897▶0719425863◀...

The circle constant π:
3.1415926535897932384626433832795028841971693993751058209749445923078164062862089986280 34
8253421170679821480865132823066470938446095505822317253594081284811174502841027019385 2110
5559644622948954930381964428810975665933446128475648233786783165271201909145648566923 4603
4861045432664821339360726024914127372458700660631558817488152092096282925409171536436 7892
5903600113305305488204665213841469519415116094330572703657595919530921861173819326117 9310
5118548074462379962749567351885752724891227938183011949129833673362440656643086021394 9463
9522473719070217986094370277053921717629317675238467481846766940513200056812714526356 0827
7857713427577896091736371787214684409012495330146549585371050792276892586234520199561 1
2129021960864034418159813629774771309960518707211349999998372978049951059731732816096 3185
9502445945534690830264252230825334468503526193118817101000313783875288658753320838142 0617
1776691473035982534904287554687311595628638823537875937519577818577805321712268066130 0192
7876611195909216420198938095257201065485863278865936153381827968230301952035301852968 9957
7362259941389124972177528347913151557485724245415069595082953311686172785588907509838 1754
6374649393192550604009277016711390098488240128583616035637076601047101819429555961989 4676
7837449448255379774726847104047534646208046684259069491293313677028989152104752162056 9660
2405803815019351125338243003558764024749647326391419927260426992279678235478163600934 1721
6412199245863150302861829745557067498385054945885869269956909272107975093029553211653 4498
7202755960236480665499119881834797753566369807426542527862551818417574672890977772793 8000
8164706001614524919217321721477235014144197356854816136115735255213347574184946843852 3323
9073941433345477624168625189835694855622▶0992192221◀...

The golden ratio φ:
1.6180339887498948482045868343656381177203091798057628621354486227052604628189024497072 07
2041893911374847540880753868917521266338622235369317931800607667263544333890865959395 8290
5638322661319982829026788067520876689250171169620703222104321626954862629631361443814 97587
0122034080588795445474924618569536486444924104432077134494704956584678850987433944221 2544
8770664780915884607499887124007652170575179788341662562494075890697040000281210427621 77111
7778053153171410117046665991466979873176135600670874807101317952368942752194843530567 8300
2287856997829778347848587822891109762500302696156170025046433824377648610283831268330 37242
9267526311653392473167111211588186385133162038400522216579128667529465490681131715993 4323
5973494985090409476213222981017261070596116456299098162905552085247903524060201727997 4717
5342777592778625619432082750513121815628551222480934712341451702237358057727861600868 838
2952304592647878017889921990270776903895321968198615143780314997411069260886742962267 5756
0523172777520353613936210767389376455606059216589466759551900400555908950229530942312 48
2355212212415444006470340565734797663972394949946584578873039623090375033993856210242 3690
2513868041457799569812244574717803417312645322041639723213404444948730231541767689375 2103
0687378803441700939544096279558986787232095124268935573097045095956844017555198819218 0206
4052905518934947592600734852282101088194644544222318891319294689622002301443770269923 0078
0308526118075451928877050210968424936271359251876077788466583615023891349333312231053 3923
2136243192637289106705033992822652635562090297986424727597725655086154875435748264718 1414
5127000602389016207773224499435308899909501680328112194320481964387675863314798571911 3978
1539780747615077221175082694586393204 56▶5209896985◀...

```
-----------------
Further Research:
-----------------


1)
Starting from N=114 and using bi-symmetry (as stated in Quran 39:23)
we should be able to find all 114 verses-per-chapter numbers mathematically,
just as chapter 87 was found to have 19 verses to keep chapter 57 at its position
regardless of sorting order of the chapter table by C×V multiplication.


2a)
God says angels have 2, 3, or 4 wings
```

بِسْم ٱللَّهِ ٱلرَّحْمَٰنِ ٱلرَّحِيمِ ٱلْحَمْدُ لِلَّهِ فَاطِرِ ٱلسَّمَٰوَٰتِ وَٱلْأَرْضِ جَاعِلِ ٱلْمَلَٰئِكَةِ رُسُلًا أُولِىٓ أَجْنِحَةٍ مَّثْنَىٰ وَثُلَٰثَ وَرُبَٰعَ ۚ يَزِيدُ فِى ٱلْخَلْقِ مَا يَشَآءُ ۚ إِنَّ ٱللَّهَ عَلَىٰ كُلِّ شَىْءٍ قَدِيرٌ

```
Quran 35:1 "In the Name of Allah, the All-beneficent, the All-merciful.
All praise belongs to Allah, originator of the heavens and the earth, maker of the angels
[His] Messengers, possessing wings, two, three or four [of them].
He adds to the creation whatever He wishes. Indeed Allah has power over all things."

which may mean that angels are programs that God uses to regulate the affairs of the
universe and the number of their wings might be bases for different number systems.
[Abdulsalam Al-Mayahi, UK]

2b)
Or 2, 3, or 4 wings could refer to the number of prime factors a number has.
So we may need to reclassify numbers into N-prime-factors not simple primes and
composites.
        - The Unit        has  0 prime factors  [  1 = 1]
        - Primes          have 1 prime factor   [  7 = 7]
        - Semi-primes     have 2 prime factors  [  9 = 3×3]
        - Tri-primes      have 3 prime factors  [114 = 2×3×19]. Sphenic number has 3
distinct prime factors.
        - Quad-primes     have 4 prime factors  [100 = 2×2×5×5]
```

يَزِيدُ فِى ٱلْخَلْقِ مَا يَشَآءُ ... and God adds to the creation whatever He wishes

```
3)
Addition and subtraction of 3^i [i=0..N] builds all numbers from 1 to sum of all "3^i"s.
Ex: 3^0, 3^1, 3^2, 3^3 = 1, 3, 9, 27 respectively can build all numbers from 1 to 40:
 1 = 1
 2 = 3-1
 3 = 3
 4 = 1+3
 5 = 9-3-1
 6 = 9-3
 7 = 9-3+1
 8 = 9-1
 9 = 9
10 = 9+1
11 = 9+3-1
12 = 9+3
13 = 9+3+1
...
40 = 27+9+3+1

This may imply a base-3 number system is used in the Quran.
```

```
-------
CREDITS
-------
Pattern   1 :  J. Rahmani and Kourosh Jamneshan, Iran. [http://amazing19.com]
Pattern   2 :  J. Rahmani and Kourosh Jamneshan, Iran. [http://amazing19.com]
Pattern   3 :  J. Rahmani and Kourosh Jamneshan, Iran. [http://amazing19.com]
Pattern   4 :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   5a:  Halis Aydemir, Turkey. [http://symmetricbook.com]
Pattern   5b:  Sabri Tahboub, Palestine.
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   6a:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   6b:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   7a:  Maher Amin, Iraq.
Pattern   7b:  Maher Amin, Iraq.
Pattern   7c:  Maher Amin, Iraq.
Pattern   8 :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   9a:  Unknown Author.
Pattern   9b:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   10:  Maher Amin, Iraq.
Pattern   11a:  Sabri Tahboub, Palestine and Dr. Hatim Zaghloul, Egypt.
[http://7ameem.com]
Pattern   11b:  Sabri Tahboub, Palestine.
Pattern   11c:  Sabri Tahboub, Palestine.
Pattern   12 :  Sabri Tahboub, Palestine.
Pattern   14a:  Sabri Tahboub, Palestine.
Pattern   14b:  Sabri Tahboub, Palestine.
Pattern   14c:  Sabri Tahboub, Palestine.
 Note 1    :  Sabri Tahboub, Palestine.
Pattern   15a:  Sabri Tahboub, Palestine.
 Note 1    :  Sabri Tahboub, Palestine.
Pattern   15b:  Sabri Tahboub, Palestine.
Pattern   15c:  Sabri Tahboub, Palestine.
Pattern   15d:  Sabri Tahboub, Palestine.
 Note 1    :  Sabri Tahboub, Palestine.
Pattern   16a:  Sabri Tahboub, Palestine.
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   16b:  Sabri Tahboub, Palestine.
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   17a:  Abdullah Jalghoum, Jordan.
Pattern   17b:  Abdullah Jalghoum, Jordan.
Pattern   17c:  Abdullah Jalghoum, Jordan.
Pattern   17d:  Maher Amin, Iraq.
Pattern   17e:  Abdullah Jalghoum, Jordan.
Pattern   17f:  Maher Amin, Iraq.
Pattern   17g:  Maher Amin, Iraq.
Pattern   17h:  Maher Amin, Iraq.
Pattern   17i:  Maher Amin, Iraq.
Pattern   19a:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   19b:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   19c:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   19d:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   19e:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1    :  Sabri Tahboub, Palestine.
 Note 2    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   19f:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   19g:  Sabri Tahboub, Palestine.
Pattern   20a:  Sabri Tahboub, Palestine and Dr. Hatim Zaghlool, Egypt.
Pattern   20b:  Sabri Tahboub, Palestine.
 Note 1    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern   20c:  Sabri Tahboub, Palestine.
```

```
Pattern  20d:  Sabri Tahboub, Palestine and Dr. Hatim Zaghlool, Egypt.
Pattern  20e:  Sabri Tahboub, Palestine.
Pattern  20f:  Sabri Tahboub, Palestine.
Pattern  20g:  Maher Amin, Iraq and Sabri Tahboub, Palestine.
 Note 1     :  Sabri Tahboub, Palestine.
Pattern  21a:  Sabri Tahboub, Palestine.
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  21b:  Dr. Hatim Zaghloul, Egypt. [http://7ameem.com]
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2     :  Maher Amin, Iraq.
Pattern  21c:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  22a:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  22b:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  22c:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  22d:  Sabri Tahboub, Palestine.
 Note 1     :  Sabri Tahboub, Palestine.
 Note 2     :  Sabri Tahboub, Palestine.
Pattern  22e:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  22f:  Sabri Tahboub, Palestine.
Pattern  23a:  Dr. Haifeng Xu, Math Dept, University of Yangzhou, China.
Pattern  23b:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  23c:  Fathy Darweesh, Egypt. [http://facebook.com/fathy.darweesh]
Pattern  31a:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  31b:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  31c:  Aminreza Abrahimi Saba, Iran.
Pattern  32 :  Sabri Tahboub, Palestine.
Pattern  37a:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1a    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1b    :  Israa Abdul-Razzaq Abdul-Kareem, Iraq.
 Note 2a    :  Ge Jin Ting, Yancheng, Jiangsu, China.
 Note 2b    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3a    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3b    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3c    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3     :  Salim Salih Husein, Iraq.
 Note 5a    :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 5b    :  Ted Stanov, Bulgaria. [6-5x4322@gmx.com]
 Note 6a    :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 6b    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 7     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 8     :  Unknown, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 9     :  Patterson, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 10    :  Al-Humaid, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 11    :  Unknown, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 12    :  Unknown, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 12    :  Natch, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 13    :  Punches, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 13a   :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 13b   :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 14    :  Losnak, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 15    :  Wu, Prime Curios! [http://primes.utm.edu/curios/page.php/37.html]
 Note 16a   :  Ted Stanov, Bulgaria. [6-5x4322@gmx.com]
 Note 16b   :  Ted Stanov, Bulgaria. [6-5x4322@gmx.com]
 Note 17    :  Waring's problem, http://en.wikipedia.org/wiki/37_(number)
 Note 18    :  Ted Stanov, Bulgaria. [6-5x4322@gmx.com]
 Note 19    :  Centered hexagonal number,
http://en.wikipedia.org/wiki/Centered_hexagonal_number
Pattern  37b:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern  37c:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern  37d:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern  37e:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern  37f:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 1     :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 2     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  37g:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern  37h:  Sabri Tahboub, Palestine.
```

```
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern  57a:  Maher Amin, Iraq.
Pattern  57b:  Sabri Tahboub, Palestine.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Well known fact in support of Abjad_Gematria system.
Pattern  91 :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1      :  Abdul-Daem Al-Kaheel (عبد الدائم الكحيل), Syria. [http://kaheel7.com]
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 110 :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 1      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 2      :  Abdulkhaliq BuShikhi, Morocco/France.
 Note 3      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 113 :  Sabri Tahboub, Palestine.
Pattern 114a:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1      :  Sabri Tahboub, Palestine.
 Note 2      :  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
 Note 3      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 5      :  Ali Adams + Mahmoud Allu Abu-Mu'tez
 Note 6      :  Sabri Tahboub, Palestine.
 Note 7      :  Sabri Tahboub, Palestine.
 Note 8a     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 8b     :  Aminreza Abrahimi Saba, Iran.
 Note 8c     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 114b:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 114c:  Maher Amin, Iraq.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 114d:  Maher Amin, Iraq.
Pattern 129a:  http://ar-
ar.facebook.com/permalink.php?story_fbid=1656783217889383&id=1450804781820562
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
Pattern 129b:  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
Pattern 129c:  Maher Amin, Iraq.
Pattern 129d:  Abdulkhaliq BuShikhi, Morocco/France.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 129e:  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 1      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 2      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 3      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 4      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
 Note 5      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 6      :  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
Pattern 139a:  Yunis Hasan Al-Yasiri, Iraq.
Pattern 139b:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 139c:  Yunis Hasan Al-Yasiri, Iraq.
Pattern 227a:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 227b:  Sabri Tahboub, Palestine.
Pattern 227c:  Fakhir60 [http://answering-
christianity.com/fakir60/prime_numbers_in_the_holy_quran]
Pattern 227d:  Sabri Tahboub, Palestine.
Pattern 227e:  Maher Amin, Iraq.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 229 :  Sabri Tahboub, Palestine.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 5      :  Ali Adams, Iraq/UK. [http://heliwave.com] + Sabri Tahboub, Palestine.
 Note 6      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 7      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 8      :  Sabri Tahboub, Palestine.
 Note 9      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 263a:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3      :  Ali Adams, Iraq/UK. [http://heliwave.com]
```

```
 Note 4      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 5      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 263b:  Sabri Tahboub, Palestine.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 269a:  Sabri Tahboub, Palestine.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 269b:  Sabri Tahboub, Palestine.
Pattern 297 :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 319a:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Sabri Tahboub, Palestine.
 Note 3      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4      :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 5      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 6      :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 7      :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 8      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 9      :  Diana Hamdan, Jordan.
 Note 10     :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern 319b:  Abdullah Jalghoum, Jordan [C+V], Maher Amin, Iraq [C×V]
 Note 1      :  Maher Amin, Iraq.
 Note 2      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 319c:  Abdullah Jalghoum, Jordan.
Pattern 319d:  Abdullah Jalghoum, Jordan [chapters], Maher Amin, Iraq [verses]
Pattern 319e:  Diana Hamdan, Jordan.
Pattern 319f:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 319g:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern 319h:  Abdullah Jalghoum, Jordan.
 Note 1      :  Khaled Fagih, Jordan [km_faqih@aabu.edu.jo]
 Note 2      :  Sabri Tahboub, Palestine.
Pattern 319i:  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
Pattern 319j:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 319k:  Sabri Tahboub, Palestine.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 449a:  Sabri Tahboub, Palestine.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Punches, Prime Curios! [http://primes.utm.edu/curios/page.php/449.html]
Pattern 449b:  Dr. Haifeng Xu, Math Dept, University of Yangzhou, China.
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Sabri Tahboub, Palestine.
 Note 3      :  Thoms, Prime Curios! [http://primes.utm.edu/curios/page.php/449.html]
 Note 4      :  Wagler, Prime Curios! [http://primes.utm.edu/curios/page.php/449.html]
 Note 5      :  http://www.virtuescience.com/449.html
 Note 6      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 7      :  Sabri Tahboub, Palestine.
 Note 8      :  Sabri Tahboub, Palestine.
Pattern 449c:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 506a:  Ali Adams, Iraq/UK. [http://heliwave.com] and Dr. Hatim Zaghlool, Egypt.
[http://7ameem.com]
 Note 1      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2      :  Tariq Majeed Al-Kraimi, Iraq.
 Note 2a     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2b     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4      :  Dr. Hatim Zaghlool, Egypt. [http://7ameem.com]
 Note 5      :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 6      :  Dr. Waleed S. Mohammed, Thailand. [http://7ameem.com]
 Note 7      :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 506b:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 506c:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1      :  Sabri Tahboub, Palestine.
 Note 2      :  Sabri Tahboub, Palestine.
Pattern 561 :  Sabri Tahboub, Palestine.
 Note 1      :  Sabri Tahboub, Palestine.
 Note 2      :  Sabri Tahboub, Palestine.
 Note 3      :  Ali Adams, Iraq/UK. [http://heliwave.com]
```
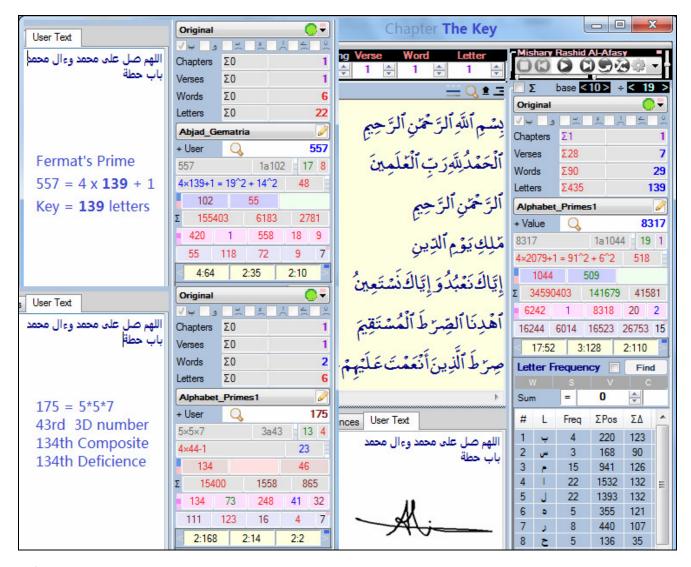
```
 Note 4a    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4b    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 5     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 6a    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 6b    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 7     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 8     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 9     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 10    :  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
 Note 11    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 12    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 13    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 619a:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 4     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 5     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 6     :  http://primes.utm.edu/curios/page.php/19.html
 Note 7     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 8     :  Dr. Waleed S. Mohammed, Thailand. [http://7ameem.com]
 Note 9     :  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
 Note 10    :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 11    :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 619b:  Dr. Waleed S. Mohammed, Thailand. [http://7ameem.com]
 Note 1     :  Dr. Waleed S. Mohammed, Thailand. [http://7ameem.com]
 Note 2     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 3     :  Dr. Waleed S. Mohammed, Thailand. [http://7ameem.com]
 Note 4     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 619c:  Sabri Tahboub, Palestine.
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 619d:  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 619e:  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2     :  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
Pattern 619f:  Mahmoud Allu Abu-Mu'tez, Palestine. محمود علو ابو معتز
Pattern 619g:  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
Pattern 619h:  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 1     :  Hady Al-Thahaby, Iraq. [http://facebook.com/hadyalthahaby]
 Note 2     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 729a:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 729b:  Aminreza Abrahimi Saba, Iran.
Pattern 729c:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 729d:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 729e:  Jafar Al-Badran, UK.
Pattern 729f:  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 729g:  Jafar Al-Badran, UK.
Pattern 777a:  http://youtu.be/G28nR1Jl_N4
Pattern 777b:  http://youtu.be/G28nR1Jl_N4
Pattern 777c:  http://youtu.be/G28nR1Jl_N4
Pattern 777d:  http://youtu.be/G28nR1Jl_N4
 Note 1     :  Ali Adams, Iraq/UK. [http://heliwave.com]
 Note 2     :  Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 1729a: Ali Adams, Iraq/UK. [http://heliwave.com]
Pattern 1729b: http://en.wikipedia.org/wiki/1729_(number)
 Note 1      : http://books.google.com/books?id=y01LAgAAQBAJ&pg=PA396
Pattern 1729c: http://en.wikipedia.org/wiki/1729_(number)
 Note 1      : http://books.google.com/books?id=y01LAgAAQBAJ&pg=PA396
Pattern 1729d: http://en.wikipedia.org/wiki/1729_(number)
Pattern 1729e: http://en.wikipedia.org/wiki/1729_(number)
Pattern 1729f: http://en.wikipedia.org/wiki/1729_(number)
Pattern 1729g: http://en.wikipedia.org/wiki/1729_(number)
Pattern 1729h: http://en.wikipedia.org/wiki/1729_(number)
```

The Key (الفـاتحة)
7 verses = 29 words = 139 letters

7 + 29 + 139 = 175 = 5×5×7

باب حطة = 175 in Alphabet_Primes1

اللهم صل على محمد وءال محمد = 557 in Abjad_Gematria

الله = 557 in Alphabet_AdditivePrimes1

$$557 = 4 \times 139 + 1 = 19^2 + 14^2$$

Ali Adams (علي عبد الرزاق عبد الكريم القره غولي)
MSc Software Engineering, UK, 1994
BSc Electrical Engineering, Iraq, 1988
Website: heliwave.com
Email: heliwave@yahoo.com
Wechat: heliwave

Do it right, not what most consider right.
.... be a guiding light ....
God >

QuranCode Project
www.qurancode.com

©2019 Ali Adams

CREDITS:
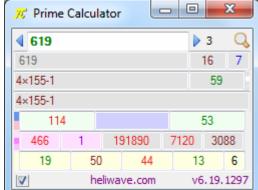http://tanzil.net for the Quran text and translations.
http://noorsoft.org and Yudi Rohmad for the root database.
http://qurandev.appspot.com for the word meanings.
http://corpus.quran.com for the word grammar.
http://everyayah.com for live audio streaming.
Authors of any used open-source projects or code fragments.

If you find QuranCode useful, please recite chapters الفاتحة and الإخلاص for the spirits (أرواح) and the souls (أنفُس) of its developers, sincere users, and their parents too. May Allah bless us all with guidance in this life and forgiveness and generous reward in the hereafter (مَغْفِرَةٍ وَأَجْرٍ كَرِيمٍ).

QuranCode and PrimeCalculator are open-source projects with contributions from

China, Egypt, France, Indonesia, Iran, Iraq, Jordan, Morocco, Norway, Pakistan, Palestine, Russia, Thailand, Turkey, UK, USA, stackoverflow.com, tanzil.net ...

The Sheeple

Falsehood's become the truth ... and chaos has spread,

Liars are upheld ... and good mouths are well weld.

Wisdom deserted all ... but a sleepless few,

Trance became the norm ... and to reality blindness wed.

Wake up and uphold ... what God has always said:

Don't step over others ... to reach a higher end,

Love each other so ... to the Truth you'd be led.

Ali Adams, 2006

Allah is the only Giver and all rewards go in circles of π.

أعلم أن الله هو فقط الرزّاق والثواب يدور لتداول الأرزاق بدوائر النسبة الثابتة پاي

3.14159265358979323846264338327950288419716939937510582097494459230781640628620899862803482534211706798214808651328230664709384460955058223172535940812848111745028410270193852110555964462294895493038196442881097566593344612847564823378678316527120190914564856692346034861045432664821339360726024914127372458700660631558814488152092096282925409171536436789259036001133053054882046652138414695194151160943305727036575959195309218611738193261179310511854807446237996274956735188575272489122793818301194912983367336244065664308602139494639522473719070217986094370277053921717629317675238931925506040092770167113900984882401285836160356 37 ...

Please give people, animals and plants near you love, clean air, water, food,
medicine, clothes, etc. and ask Allah sincerely to bring forward the re-appearance
of our Imam peace be upon him and his forefathers and all praise to Allah always.

إشكر الله عملياً بإعطاء الناس والحيوانات والنباتات حُباً حقيقياً وهواءً نقياً وماءً مُروياً وأكلاً صحياً ودواءً مُشفياً وملبساً مُدفئاً وأدع الله سبحانه وتعالى أن يقرّب ظهور إمام العصر والزمان عليه وعلى ءابائه الصلاة والسلامَ والحمد لله ربِّ العالمين.

www.heliwave.com